Prepared for

Georgia Power Company
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2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT BOWEN ASH POND 1 (AP-1)

Prepared by

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CERTIFICATION STATEMENT

This *2025 Annual Groundwater Monitoring and Corrective Action Report, Plant Bowen Ash Pond 1 (AP-1)* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Geosyntec Consultants, Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.



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January 30, 2026
Date

SUMMARY

This summary of the *2025 Annual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of January through December 2025 (referred to herein as the "annual reporting period") at Georgia Power Company's (Georgia Power's) Plant Bowen Ash Pond 1 (AP-1) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6[1] 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 and the Site

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, and the Site closure is underway.

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 January 2018 and January 2019, respectively. During the annual reporting period, the

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

Site remained in assessment monitoring as corrective measures are being evaluated. 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 28, 2023 with revisions provided on July 5, 2024 (Geosyntec, 2023c, GEOS ID 739305; Geosyntec, 2024b, GEOS ID 854212). Following GA EPD's approval of the *BGWC-22 Pilot Study Workplan* (Geosyntec, 2025b) on March 14, 2025, a pilot study was initiated at AP-1 in support of the ongoing remedy selection process.

During the annual reporting period, Geosyntec conducted two groundwater sampling events in February and July/August 2025 in support of the assessment monitoring program. Groundwater samples were submitted to Pace Analytical Services, LLC (Pace Analytical), for analysis. Per the federal CCR Rule, groundwater data from the semiannual assessment monitoring events conducted during the annual reporting period were evaluated in accordance with the certified statistical methods. The evaluations identified statistically significant values of select Appendix III[2] and Appendix IV[3] constituents in excess of established groundwater protection standards (GWPS) in select monitoring wells, as summarized in the table below for the annual reporting period.

Based on a review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program for the annual reporting period, the Site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to GA EPD semiannually.

[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids
[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228

Appendix III Constituent	February 2025	July/August 2025
Boron	BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, BGWC-52	BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, BGWC-52
Calcium	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24	BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24
Chloride	BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, BGWC-52	BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, BGWC-52
pH	BGWC-16, BGWC-18, BGWC-24	BGWC-16, BGWC-24
Sulfate	BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24	BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-51
Total Dissolved Solids	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24	BGWC-7, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30, BGWC-51
Appendix IV Constituent[4]	**February 2025**	**July/August 2025**
Arsenic[5]	BGWC-34D	BGWC-34D
Cobalt	BGWC-16, BGWC-22	BGWC-16, BGWC-22
Lithium	None	BGWC-20
Molybdenum	BGWC-43D	BGWC-43D

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

Geosyntec consultants

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LIST OF ACRONYMS

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

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 *2025 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Bowen (Site) Ash Pond 1 (AP-1) for the reporting period of January through December 2025 (referred to herein as the "annual reporting period").

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

Due to statistically significant levels (SSLs) of cobalt and molybdenum reported in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2019a), Georgia Power initiated an assessment of corrective measures (ACM) for AP-1 in January 2019. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-1 in accordance with the assessment monitoring program established for the unit in 2018, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). A *Draft Remedy Selection Report,* which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on February 28, 2023 with revisions provided on July 5, 2024, (Geosyntec, 2023c, GEOS ID 739305; Geosyntec, 2024b, GEOS ID 854212). With GA EPD approval in March 2025, a pilot study was initiated to address the SSL of cobalt at BGWC-22.

The current reporting period groundwater data indicate that the identified SSLs of arsenic in BGWC-34D, cobalt in BGWC-22 and BGWC-16, and molybdenum in BGWC-43D 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 alternate source demonstration (ASD) (Geosyntec, 2021b). A new SSL of lithium was identified in BGWC-20 following the July/August semiannual sampling event. Given the location of the assessment wells where the lithium SSL was observed, assessment monitoring wells for horizontal and vertical delineation of this SSL are already present and lithium in BGWC-20 is horizontally and vertically delineated to below GWPS. Additional data related to the new lithium SSL are being collected and will be summarized in a future *Draft Remedy Selection Report Addendum*, which will be submitted to GA EPD in a separate cover.

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 are included in the 2021 Closure Plan and published to Georgia Power's CCR Rule Compliance website. The Closure Plan was approved by GA EPD on February 21, 2022, through an issued CCR Permit (008-021D(CCR)). CCR was certified removed from Cell 1A in December 2023 for approximately 30 acres (**Figure 2**). Cell 1B CCR removal and liner placement have been completed and Cell 3 CCR removal is underway.

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.

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.

A Groundwater Monitoring Plan Minor Modification was submitted to GA EPD on May 5, 2025, and subsequently approved on July 16, 2025. Following the approved modifications on the monitoring well network, six assessment monitoring wells (BGWA-6, BGWC-37D, BGWC-39, BGWC-41D, BGWC-42D, and BGWC-44D) were reclassified as piezometers, one piezometer (PZ-7) was reclassified to horizontal

assessment monitoring well, and one detection monitoring well (BGWA-33) was reclassified as a piezometer. The locations of the current detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**; well and piezometer construction details are listed in **Table 1**.

2.0 GROUNDWATER MONITORING ACTIVITIES

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

2.1 Monitoring Well Installation and Maintenance

No additional detection monitoring wells, assessment wells, or piezometers were installed during this annual 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 February and July/August 2025, 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 statistically significant increases (SSIs) of Appendix III constituents documented in the *2017 Annual Groundwater Monitoring and Corrective Action Report* (Anchor QEA, 2018). A notice of assessment monitoring was placed in the operating record on May 15, 2018. Currently identified SSLs of Appendix IV constituents exceeding their respective GWPS at AP-1 are cobalt in BGWC-16 and BGWC-22, arsenic in BGWC-34D, lithium in BGWC-20, and molybdenum in BGWC-43D. Monitoring well BGWC-38D exhibited an SSL of molybdenum in the past. Concentrations of molybdenum have decreased to less than the GWPS and the statistical analysis no longer indicates an SSL in this well.

Pursuant to § 257.96, an ACM was initiated for AP-1 in January 2019. An *Assessment of Corrective Measures Report – Plant Bowen Ash Pond 1 (AP-1)* (ACM Report) was subsequently prepared for AP-1 (Geosyntec, 2019b) and submitted to GA EPD in June 2019 and posted to the CCR compliance website in July 2019. In accordance with § 257.96(b), groundwater continues to be monitored at AP-1 under the assessment monitoring program while the ACM phase is implemented.

In support of the routine assessment monitoring program, the semiannual assessment monitoring events were conducted in February and July/August 2025. Due to lack of recharge in previous events, upgradient detection monitoring well BGWA-33 was not sampled during the February 2025 semiannual groundwater monitoring event and has been repurposed to piezometer following approval of the Groundwater Monitoring Plan Minor Modification on July 16, 2025. The wells sampled and the dates the samples were collected at AP-1 during the annual reporting period are summarized in **Table 2**. Details of these events and analytical results are discussed in Section 3.

2.3 Additional Groundwater Evaluations

Groundwater samples were collected from the entire AP-1 detection and assessment well networks during the February 2025 event and were analyzed for major cations, major anions, iron, and manganese. The data were collected in support of evaluating the geochemical composition of groundwater in conjunction with the ACM activities.

2.4 Assessment of Corrective Measures

To support remedial design, a pre-design investigation (PDI) including a high-resolution site characterization, treatability study, and pilot study was initiated in June 2023. The results of the high-resolution site characterization and treatability study were summarized in the *BGWC-22 Pilot Study Workplan* (Geosyntec, 2025b) and submitted to GA EPD on February 7, 2025. The BGWC-22 workplan was subsequently approved by GA EPD on March 14, 2025.

The bench scale laboratory treatability study continued during the first half of 2025 to inform field implementation of a field-scale pilot study for the proposed remedy to address cobalt at BGWC-22 and BGWC-16.

Following GA EPD approval of the *BGWC-22 Pilot Study Workplan* (Geosyntec, 2025b) on March 14, 2025, a geochemical injection was performed from April 22 to 27 and from July 7 to 17, 2025. A post-injection performance program was initiated on May 1, 2025. Details of these events and analytical results are discussed in Section 6 of this report. Based on the stabilized performance data observed in recent monitoring events, a request to reduce the duration of the post-injection performance program was submitted to GA EPD on January 15, 2026 (Geosyntec, 2026).

3.0 SAMPLING METHODOLOGY AND ANALYSES

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

3.1 Groundwater and Surface Water Level Measurement

A synoptic round of depth-to-groundwater-level measurements were recorded from the AP-1 wells and piezometers during the February and July/August (July) 2025 assessment monitoring events and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. The February and July 2025 elevations are generally representative of the groundwater elevations reported for prior monitoring events.

Surface water elevations were recorded along the Etowah River, Euharlee Creek, and General Service Water Pond (GSWP) using transducers installed at the locations indicated on **Figure 2**.

The groundwater and surface water elevation data were used to prepare potentiometric surface maps for the February and July 2025 events, which are presented on **Figures 3** and **4**. 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 February and July 2025 gauging events, and along three main interpreted groundwater flow paths to account for changing flow directions underlying AP-1, as discussed in Section 3.1 (i.e., northwest, west, and south/southwest). Horizontal hydraulic gradients were calculated between the following

well pairs: BGWC-9/PZ-1, BGWC-20/BGWC-31, 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 **Figures 3** and **4**. The calculated average hydraulic gradient along the north, west, and south/southwest flow paths for the annual reporting period are 0.013 feet per foot (ft/ft), 0.012 ft/ft, and 0.025 ft/ft, respectively.

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

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

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

Where:

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

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

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

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = distance between location 1 and 2

n_e = Effective porosity

Groundwater flow in bedrock is controlled by secondary porosity features that are typically filled with residuum. Based on the range of hydraulic conductivity measurements from wells and piezometers screened in the upper bedrock at AP-1, flow velocities were calculated using: (i) the geometric mean and the highest of the observed

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

Horizontal hydraulic conductivity values measured for bedrock ranged from 3.0×10^{-2} to 33.0 feet per day (ft/day), with a geometric mean of 2.4 ft/day. Using the geometric mean K_h value of 2.4 ft/day for the bedrock, the calculated flow velocities along the north, west, and south/southwest flow paths are 0.10 ft/day, 0.10 ft/day, and 0.20 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 ± 0.1 standard units (s.u.).
- Conductivity ± 5%.
- ± 0.2 milligrams per liter (mg/L) or ± 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), following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the annual 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 annual reporting period are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

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

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

4.0 STATISTICAL ANALYSIS

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

4.1 Statistical Methods

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

Appendix III statistical analysis was performed to assess if Appendix III constituents have returned to background levels. Appendix IV constituents were evaluated to assess if concentrations statistically exceeded the established state and federal GWPS. Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in the statistical analysis reports provided in **Appendix 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 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 criteria below. These criteria were adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022.

(1) The maximum contaminant level (MCL) established under § 141.62 and § 141.66.

(2) Where an MCL has not been established:

  (i) Cobalt 0.006 mg/L;

  (ii) Lead 0.015 mg/L;

  (iii) Lithium 0.04 mg/L; and

  (iv) Molybdenum 0.1 mg/L.

(3) Background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

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

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis discussion presented in **Appendix 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 annual reporting period:

4.2.1 February 2025 Data

- Arsenic: BGWC-34D
- Cobalt: BGWC-16, BGWC-22
- Molybdenum: BGWC-43D

4.2.2 July/August 2025 Data

- Arsenic: BGWC-34D
- Cobalt: BGWC-16, BGWC-22
- Lithium: BGWC-20
- Molybdenum: BGWC-43D

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix C**). Statistically significant increasing trends of cobalt in BGWC-16 and BGWC-22 as well as lithium in BGWC-20 were identified during this reporting period. No statistically significant trends were identified for arsenic in BGWC-34D or molybdenum in BGWC-43D.

4.2.2 Summary of Statistical Analyses

The SSLs identified for the annual reporting period are generally consistent with the 2024 annual reporting period, with the following exception:

- An SSL of lithium in BGWC-20 was first identified after the July/August 2025 semiannual event.

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, and the cobalt SSL identified in BGWC-16 is horizontally delineated by PZ-7. The cobalt concentration in BGWC-53D was below GWPS during last three sampling events (December 2024, February 2025, and August 2025), indicating vertical delineation of cobalt SSL. The delineation of the newly identified lithium SSL in BGWC-20 to below GWPS is achieved by its vertical assessment well BGWC-34D and horizontal assessment well BGWC-31. Detection monitoring well BGWC-19 located downgradient of BGWC-20 also indicates horizontal delineation of lithium to the north. The groundwater data from the February and July/August 2025 semiannual assessment monitoring events were used to generate the cobalt, lithium, and molybdenum iso-concentration maps presented on **Figure 5** through **Figure 9**.

Georgia Power will continue to monitor the assessment wells and adaptively manage the Site as new data become available.

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.

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, lithium, and molybdenum in select AP-1 wells. Pursuant to § 257.95(g)(1)(iv), the additional assessment wells will continue to be sampled as part of the ongoing assessment groundwater monitoring program.

6.2 Assessment of Corrective Measures

A *Draft Remedy Selection Repor*t was submitted to GA EPD on February 28, 2023 (Geosyntec, 2023c, GEOS ID 739305). A revision to the *Draft Remedy Selection Report* was submitted on July 5, 2024 (Geosyntec, 2024b, GEOS ID 854212) The submitted report summarizes:

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

With the written concurrence letter from GA EPD, Georgia Power initiated a high-resolution site characterization in June 2023 to characterize and refine the proposed in-situ injection treatment area proximal to BGWC-22. Based upon the results of the high-resolution site characterization and treatability study, a Pilot Test Notification Form and the *BGWC-22 Pilot Study Workplan* (Geosyntec, 2025b) were submitted to GA EPD on February 7, 2025. The Pilot Test Notification Form was approved by GA EPD's Underground Injection Control (UIC) Program on March 11, 2025, and the workplan was

subsequently approved by GA EPD'S Solid Waste Management Program on March 14, 2025.

Following GA EPD approval, injection activities were performed from April 22 to 27 and from July 7 to 17, 2025, in accordance with the GA EPD approved Pilot Test Notification Form and pilot study workplan. A *Pilot Study Post-Injection Event Report* (Geosyntec, 2025c) summarizing pilot study activities from November 2024 to May 2025 was submitted to GA EPD on June 6, 2025.

A post-injection performance monitoring program was initiated in May 2025 during this reporting period. The performance monitoring groundwater analytical results and field and laboratory reports associated with these results through July 2025 were provided with the prior semiannual groundwater monitoring report (Geosyntec, 2025d). Results and reports received between August and December 2025 are provided in the *2025 Semiannual Pilot Study Progress Summary* as **Appendix D**. Based on the stabilized performance data observed in recent monitoring events, a request to reduce the duration of the post-injection performance program was submitted to GA EPD on January 15, 2026 (Geosyntec, 2026).

Updates concerning the pilot study and analytical results received after December 2025 will continue to be reported to GA EPD as a brief progress memorandum included as part of subsequent semiannual groundwater monitoring and corrective action reporting.

In response to the identification of new SSL of lithium in BGWC-20 during this reporting period, additional data related to the new lithium SSL are being collected and will be summarized in a future *Draft Remedy Selection Report Addendum*, which will be submitted to GA EPD in a separate cover.

6.3 Annual Potable Well Survey

An updated potable well survey of potential groundwater wells within a two-mile radius of AP-1 was conducted in October 2025 and consisted of reviewing federal, state, county records, and online sources. A survey conducted by Environmental Data Resources (EDR) is included in **Appendix E**. Additional federal, state, county records and online sources outside of the EDR survey were also reviewed by Geosyntec. The Bartow County Health Department does not maintain records of private wells and therefore had no update to provide for the survey. The findings from the 2024 well survey are consistent with the 2024 well survey (Geosyntec, 2025a).

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Annual Groundwater Monitoring and Corrective Action Report* for Plant Bowen AP-1 was prepared to fulfill the requirements of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical analyses of the groundwater monitoring data for AP-1 for the annual reporting period identified the continued presence of SSLs of arsenic in BGWC-34D, cobalt in BGWC-22 and BGWC-16, and molybdenum in BGWC-43D. A new SSL of lithium was identified in BGWC-20 following the July/August 2025 semiannual sampling event. Based on the most current groundwater quality, the SSLs in BGWC-16, BGWC-20, BGWC-22, BGWC-34D, and BGWC-43D are vertically and horizontally delineated to below their respective GWPS within the property boundary, or resolved with a previously approved ASD (Geosyntec, 2021b). In accordance with GA EPD Rule 391-3-4-.10(6) and § 257.96, the Site is in an ACM program for the identified SSLs.

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 with revisions provided on July 5, 2024 (Geosyntec, 2023c, GEOS ID 739305; Geosyntec, 2024b, GEOS ID 854212). An addendum to the *Draft Remedy Selection Report* will be submitted to GA EPD to address the newly identified lithium SSL in BGWC-20. The next routine semiannual assessment monitoring event for AP-1 is tentatively scheduled for January/February 2026. Based on the evaluation of post-injection performance data, a request to reduce the duration of the post-injection performance program was submitted to GA EPD on January 15, 2026 (Geosyntec, 2026). The final post-injection performance monitoring event is tentatively scheduled to coincide with the semiannual assessment monitoring event. 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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

Well ID	Well Designation	Location	Northing	Easting	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Top of Screen Elevation (feet)	Bottom of Screen Elevation (feet)	Total Well Depth from (Feet Below Top of Casing)	Groundwater Zone Screened	Installation Date
BGWA-2	Detection	Upgradient	1499374.18	2068599.59	727.00	729.69	650.59	640.59	89.40	Bedrock/Dolomite	10/29/2015
BGWA-29	Detection	Upgradient	1498283.04	2066362.32	718.84	721.38	632.88	622.88	98.80	Bedrock/Dolomite	08/07/2016
BGWA-47D	Detection	Upgradient	1499377.79	2068612.48	726.93	729.61	585.90	575.90	154.04	Bedrock/Limestone/Dolomite	05/13/2020
BGWA-48D	Detection	Upgradient	1499380.09	2068623.31	726.64	729.38	544.97	534.97	194.74	Bedrock/Limestone/Dolomite	05/16/2020
BGWC-7	Detection	Downgradient	1504711.59	2066801.40	702.49	705.38	625.18	615.18	90.50	Bedrock/Limestone	10/01/2015
BGWC-8	Detection	Downgradient	1504671.82	2066929.46	703.71	706.43	636.83	626.83	79.90	Bedrock/Limestone/Dolomite	11/18/2015
BGWC-9	Detection	Downgradient	1504909.12	2066143.27	689.18	691.93	638.33	628.33	63.90	Bedrock/Dolomite	11/13/2015
BGWC-10	Detection	Downgradient	1505033.22	2066081.09	683.39	686.06	633.66	623.66	62.70	Bedrock/Limestone/Dolomite	10/07/2015
BGWC-12	Detection	Downgradient	1505279.88	2065908.56	691.71	694.41	626.01	616.01	78.70	Bedrock/Limestone/Dolomite	10/21/2015
BGWC-14A	Detection	Downgradient	1505398.54	2065015.98	715.57	718.33	629.90	619.90	98.76	Bedrock/Limestone/Dolomite	05/04/2020
BGWC-16	Detection	Downgradient	1504656.42	2064247.67	671.65	674.31	635.31	625.31	49.30	Bedrock/Dolomite	11/12/2015
BGWC-17	Detection	Downgradient	1504432.00	2064259.38	671.25	673.65	615.35	605.35	68.60	Bedrock/Dolomite	11/17/2015
BGWC-18	Detection	Downgradient	1504118.73	2064257.00	670.32	672.88	645.08	635.08	38.10	Bedrock/Dolomite	10/13/2015
BGWC-19	Detection	Downgradient	1503742.25	2064244.66	671.04	673.61	628.91	618.91	55.00	Bedrock/Dolomite	10/12/2015
BGWC-20	Detection	Downgradient	1503367.73	2064259.55	672.29	675.14	635.14	625.14	50.30	Bedrock/Limestone	10/09/2015
BGWC-21	Detection	Downgradient	1501627.51	2064348.09	688.53	691.33	648.63	638.63	53.00	Bedrock/Dolomite	03/02/2016
BGWC-22	Detection	Downgradient	1501323.76	2064358.05	692.64	695.50	662.60	652.60	43.20	Bedrock/Dolomite	10/08/2015
BGWC-23	Detection	Downgradient	1501000.57	2064350.17	693.16	695.50	654.30	644.30	51.50	Bedrock/Dolomite	10/15/2015
BGWC-24	Detection	Downgradient	1500621.22	2065032.84	699.46	702.27	646.27	636.27	66.30	Bedrock/Limestone	10/27/2015
BGWC-25	Detection	Downgradient	1502292.73	2064244.10	677.60	680.47	632.87	622.87	57.90	Bedrock/Dolomite	03/03/2016
BGWC-30	Detection	Downgradient	1499815.93	2066395.86	698.39	701.06	651.58	641.58	59.78	Bedrock/Dolomite	01/04/2017
BGWC-51	Detection	Downgradient	1500270.09	2065455.80	708.99	711.49	654.57	644.57	67.25	Bedrock/Limestone/Dolomite	01/22/2021
BGWC-52	Detection	Downgradient	1500156.97	2065764.13	707.77	710.75	638.88	628.88	82.20	Bedrock/Limestone/Dolomite	01/21/2021
BGWC-31	Assessment	Downgradient	1503497.94	2064022.71	668.12	670.54	631.12	621.12	49.72	Bedrock/Limestone	07/17/2018
BGWC-32	Assessment	Downgradient	1501252.25	2064184.30	696.36	699.36	658.46	648.46	51.20	Bedrock/Limestone	07/18/2018
BGWC-34D	Assessment	Downgradient	1503356.51	2064257.95	672.25	675.17	605.78	595.78	79.72	Bedrock/Limestone	07/13/2018
BGWC-35D	Assessment	Downgradient	1501312.20	2064358.63	693.13	695.73	625.13	615.13	80.93	Bedrock/Limestone	07/12/2018
BGWC-36D	Assessment	Downgradient	1499807.51	2066415.10	698.07	701.01	615.07	605.07	96.34	Bedrock/Limestone	07/02/2018
BGWC-38D	Assessment	Downgradient	1499802.36	2066430.17	697.52	700.34	584.86	574.86	125.81	Bedrock/Limestone	04/18/2019
BGWC-40	Assessment	Downgradient	1500589.93	2064317.38	687.12	689.59	637.45	627.45	62.47	Bedrock/Limestone	12/03/2019
BGWC-43D	Assessment	Downgradient	1499796.86	2066444.37	697.29	700.10	544.62	534.62	165.81	Bedrock/Limestone/Dolomite	04/24/2020
BGWC-49D	Assessment	Downgradient	1499790.13	2066461.96	696.95	699.75	398.95	388.95	311.13	Bedrock/Dolomite	02/23/2021
BGWC-50D	Assessment	Downgradient	1499269.15	2065781.87	714.68	717.43	544.68	534.68	183.09	Bedrock/Dolomite	03/19/2021
BGWC-53D	Assessment	Downgradient	1504685.89	2064247.38	671.46	674.58	584.40	574.40	100.48	Bedrock/Limestone/Dolomite	11/14/2024
PZ-7	Assessment	Downgradient	1504679.33	2064125.75	672.43	675.51	636.54	626.54	49.30	Bedrock/Dolomite	03/09/2022
BGWA-1	Piezometer	Downgradient	1499101.23	2067205.48	718.33	720.90	672.00	662.00	59.20	Bedrock/Limestone/Dolomite	11/17/2015
BGWA-3	Piezometer	Downgradient	1499420.87	2065185.74	721.80	724.28	645.08	635.08	89.50	Bedrock/Dolomite	11/05/2015
BGWA-4	Piezometer	Downgradient	1499485.38	2064697.89	726.05	728.67	660.37	650.37	78.60	Bedrock/Limestone/Dolomite	03/04/2016
BGWA-5	Piezometer	Downgradient	1499434.58	2065421.43	718.53	720.92	661.52	651.52	69.70	Bedrock/Dolomite	11/03/2015
BGWA-6	Piezometer	Downgradient	1499262.01	2065797.30	714.49	716.93	663.93	653.93	63.30	Bedrock/Dolomite	11/06/2015
BGWA-26	Piezometer	Downgradient	1498697.63	2064189.94	726.09	728.65	663.55	653.55	75.40	Bedrock/Dolomite	08/05/2016
BGWA-27	Piezometer	Downgradient	1498719.14	2064387.54	732.50	735.25	652.05	642.05	93.50	Bedrock/Dolomite	08/06/2016
BGWA-28	Piezometer	Downgradient	1498749.21	2064577.55	734.88	737.45	661.35	651.35	86.40	Bedrock/Dolomite	08/07/2016
BGWA-33	Piezometer	Upgradient	1497972.13	2064876.80	740.39	743.25	672.69	662.69	80.86	Bedrock/Limestone	07/10/2018
BGWC-11	Piezometer	Downgradient	1504998.94	2066093.83	683.91	686.50	619.20	609.20	77.60	Bedrock/Limestone/Dolomite	10/16/2015
BGWC-13	Piezometer	Downgradient	1505435.29	2065251.21	714.77	717.43	653.83	643.83	73.90	Bedrock/Dolomite	10/21/2015
BGWC-15	Piezometer	Downgradient	1505278.19	2064732.18	715.39	717.92	654.52	644.52	73.70	Bedrock/Dolomite	10/20/2015
BGWC-37D	Piezometer	Downgradient	1501293.16	2064362.70	693.50	696.05	595.83	585.83	110.55	Bedrock/Limestone	04/25/2019
BGWC-39	Piezometer	Downgradient	1501241.94	2064095.41	676.58	679.12	661.91	651.91	27.54	Bedrock/Limestone	12/06/2019
BGWC-41D	Piezometer	Downgradient	1501255.96	2064096.23	676.43	679.12	631.76	621.76	57.69	Bedrock/Limestone/Dolomite	04/27/2020
BGWC-42D	Piezometer	Downgradient	1501280.52	2064365.25	693.98	696.90	553.31	543.31	153.92	Bedrock/Limestone/Dolomite	05/03/2020

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Well ID	Well Designation	Location	Northing	Easting	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Top of Screen Elevation (feet)	Bottom of Screen Elevation (feet)	Total Well Depth from (Feet Below Top of Casing)	Groundwater Zone Screened	Installation Date
BGWC-44D	Piezometer	Downgradient	1499265.15	2065811.06	714.65	717.30	584.98	574.98	142.64	Bedrock/Limestone/Dolomite	04/22/2020
INW-01	Temporary Piezometer	Downgradient	1501330.79	2064346.11	692.19	691.83	662.21	647.21	44.92	Bedrock/Limestone	11/13/2024
PT-02	Temporary Piezometer	Downgradient	1501336.13	2064340.03	692.06	694.95	661.63	651.63	43.65	Bedrock/Limestone	07/25/2023
PT-03	Temporary Piezometer	Downgradient	1501296.82	2064344.95	693.05	696.05	663.24	653.24	43.14	Bedrock/Limestone	12/15/2023
PT-04	Temporary Piezometer	Downgradient	1501327.52	2064340.94	692.06	691.68	657.10	647.10	44.88	Bedrock/Limestone	11/13/2024
PT-05	Temporary Piezometer	Downgradient	1501344.14	2064338.76	691.80	691.43	656.54	646.54	45.19	Bedrock/Limestone	11/13/2024
PT-06	Temporary Piezometer	Downgradient	1501340.00	2064330.08	691.78	691.31	657.75	647.75	43.86	Bedrock/Limestone	11/13/2024
PZ-1	Piezometer	Downgradient	1505600.54	2066844.10	675.35	677.87	630.65	620.65	57.52	Bedrock/Limestone/Dolomite	06/23/2016
PZ-2	Piezometer	Downgradient	1503856.86	2062938.81	665.92	668.25	649.22	639.22	29.33	Bedrock/Limestone/Dolomite	06/24/2016
PZ-3	Piezometer	Downgradient	1505723.97	2066071.08	705.34	707.97	658.64	648.64	59.63	Bedrock/Dolomite	06/22/2016
PZ-4	Piezometer	Downgradient	1505788.58	2064316.61	715.96	718.74	669.26	659.26	59.78	Bedrock/Dolomite	06/23/2016
PZ-5	Piezometer	Downgradient	1499885.63	2063961.22	697.23	700.12	650.53	640.53	59.89	Bedrock/Limestone/Dolomite	12/04/2019
PZ-6	Piezometer	Downgradient	1500379.48	2063242.81	675.50	678.32	650.80	640.80	37.82	Bedrock/Limestone/Dolomite	12/08/2019
PZ-8	Piezometer	Downgradient	1504818.66	2064241.49	677.75	680.72	641.74	631.74	49.31	Bedrock/Dolomite	03/09/2022

Notes:

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey completed by GEL Solutions obtained June 10, 2020. Survey for wells BGWC-51 and BGWC-52 was obtained January 28, 2021. Survey for wells BGWC-49D and BGWC-50D was obtained March 25, 2021. Survey for wells PZ-7 and PZ-8 was obtained April 11, 2022. Survey for well PT-02 obtained November 20, 2023. Survey for well PT-03 obtained December 21, 2023. Survey for wells BGWC-53D, PT-04, PT-05, and PT-06 was obtained November 26, 2024.

(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 piezometers PZ-7 and PZ-8 was obtained April 11, 2022. Survey for piezometer PT-02 obtained November 20, 2023. Survey for piezometer PT-03 obtained December 21, 2023. Survey for well BGWC-53D and piezometers PT-04, PT-05, and PT-06 was obtained November 26, 2024.

(3) Ground surface elevation measured at nail or known reference point on surface concrete pad.

(4) Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.

(5) Total well depth accounts for sump if data provided on well construction logs.

(6) Temporary piezometers INW-01 and PT-02 through PT-06 were installed in support of an Assessment of Corrective Measures pre-design investigation and are not included in the monitoring well network.

(7) One detection monitoring well (BGWA-33) and six assessment monitoring wells (BGWA-6, BGWC-37D, BGWC-39, BGWC-41D, BGWC-42D, and BGWC-44D) were repurposed to piezometers following approval of the Groundwater Monitoring Plan Minor Modification on July 16, 2025.

Table 2
Groundwater Sampling Event Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

Well ID	Hydraulic Location	Well Designation	February 04 2025 - February 18 2025	July 31 2025 - August 13 2025
			Assessment Event	Assessment Event
Georgia Power Company - Plant Bowen - Ash Pond 1				
BGWA-2	Upgradient	Detection	X	X
BGWA-29	Upgradient	Detection	X	X
BGWA-47D	Upgradient	Detection	X	X
BGWA-48D	Upgradient	Detection	X	X
BGWC-7	Downgradient	Detection	X	X
BGWC-8	Downgradient	Detection	X	X
BGWC-9	Downgradient	Detection	X	X
BGWC-10	Downgradient	Detection	X	X
BGWC-12	Downgradient	Detection	X	X
BGWC-14A	Downgradient	Detection	X	X
BGWC-16	Downgradient	Detection	X	X
BGWC-17	Downgradient	Detection	X	X
BGWC-18	Downgradient	Detection	X	X
BGWC-19	Downgradient	Detection	X	X
BGWC-20	Downgradient	Detection	X	X
BGWC-21	Downgradient	Detection	X	X
BGWC-22	Downgradient	Detection	X	X
BGWC-23	Downgradient	Detection	X	X
BGWC-24	Downgradient	Detection	X	X
BGWC-25	Downgradient	Detection	X	X
BGWC-30	Downgradient	Detection	X	X
BGWC-51	Downgradient	Detection	X	X
BGWC-52	Downgradient	Detection	X	X
BGWC-31	Downgradient	Assessment	X	X
BGWC-32	Downgradient	Assessment	X	X
BGWC-34D	Downgradient	Assessment	X	X
BGWC-35D	Downgradient	Assessment	X	X
BGWC-36D	Downgradient	Assessment	X	X
BGWC-38D	Downgradient	Assessment	X	X
BGWC-40	Downgradient	Assessment	X	X
BGWC-43D	Downgradient	Assessment	X	X
BGWC-49D	Downgradient	Assessment	X	X
BGWC-50D	Downgradient	Assessment	X	X
BGWC-53D	Downgradient	Assessment	X	X
PZ-7	Downgradient	Assessment	X	X
BGWA-6	Downgradient	Piezometer	X	--
BGWC-37D	Downgradient	Piezometer	X	--
BGWC-39	Downgradient	Piezometer	X	--
BGWC-41D	Downgradient	Piezometer	X	--
BGWC-42D	Downgradient	Piezometer	X	--
BGWC-44D	Downgradient	Piezometer	X	--

Notes:
X = Indicates well sampled during event
-- = Indicates not applicable
(1) Monitoring well analyzed for the complete list of Appendix III and Appendix IV constituents to establish background groundwater quality in compliance with 40 CFR 257.93.
(2) Assessment monitoring wells (BGWA-6, BGWC-37D, BGWC-39, BGWC-41D, BGWC-42D, and BGWC-44D) were repurposed to piezometers following approval of the Groundwater Monitoring Plan Minor Modification on July 16, 2025, and therefore are no longer sampled during August 2025 and future semiannual assessment monitoring events.

Table 3
Summary of Groundwater and Surface Water Elevations
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

		February 2025		July 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
BGWA-2	729.69	59.81	669.88	59.91	669.78
BGWA-29	721.38	52.05	669.33	51.40	669.98
BGWA-47D	729.61	59.65	669.96	59.74	669.87
BGWA-48D	729.38	59.52	669.86	59.63	669.75
BGWC-7	705.38	46.34	659.04	48.20	657.18
BGWC-8	706.43	48.16	658.27	49.95	656.48
BGWC-9	691.93	33.50	658.43	34.91	657.02
BGWC-10	686.06	31.54	654.52	33.78	652.28
BGWC-12	694.41	41.51	652.90	42.72	651.69
BGWC-14A	718.33	71.27	647.06	71.13	647.20
BGWC-16	674.31	17.19	657.12	18.15	656.16
BGWC-17	673.65	15.99	657.66	16.93	656.72
BGWC-18	672.88	13.83	659.05	14.32	658.56
BGWC-19	673.61	14.73	658.88	16.50	657.11
BGWC-20	675.14	16.18	658.96	16.65	658.49
BGWC-21	691.33	26.60	664.73	28.22	663.11
BGWC-22	695.50	31.54	663.96	31.94	663.56
BGWC-23	695.50	32.81	662.69	33.13	662.37
BGWC-24	702.27	19.07	683.20	21.59	680.68
BGWC-25	680.47	21.12	659.35	21.72	658.75
BGWC-30	701.06	31.51	669.55	31.35	669.71
BGWC-51	711.49	42.33	669.16	41.75	669.74
BGWC-52	710.75	41.58	669.17	41.37	669.38
BGWC-31	670.54	14.99	655.55	15.36	655.18
BGWC-32	699.36	37.40	661.96	37.04	662.32
BGWC-34D	675.17	16.41	658.76	16.88	658.29
BGWC-35D	695.73	33.50	662.23	33.63	662.10
BGWC-36D	701.01	31.49	669.52	31.34	669.67
BGWC-38D	700.34	30.86	669.48	30.63	669.71
BGWC-40	689.59	25.69	663.90	26.12	663.47
BGWC-43D	700.10	30.67	669.43	30.43	669.67
BGWC-49D	699.75	30.54	669.21	30.29	669.46
BGWC-50D	717.43	48.34	669.09	47.73	669.70
BGWC-53D	674.58	17.88	656.70	18.58	656.00
PZ-7	675.51	20.03	655.48	20.68	654.83
BGWA-1	720.90	51.16	669.74	50.92	669.98
BGWA-3	724.28	55.35	668.93	54.67	669.61
BGWA-4	728.67	59.85	668.82	59.25	669.42
BGWA-5	720.92	52.02	668.90	51.48	669.44
BGWA-6	716.93	46.41	670.52	45.61	671.32
BGWA-26	728.65	62.30	666.35	61.88	666.77
BGWA-27	735.25	68.89	666.36	68.44	666.81
BGWA-28	737.45	70.75	666.70	70.18	667.27
BGWA-33	743.25	74.65	668.60	71.99	671.26
BGWC-11	686.50	27.20	659.30	28.59	657.91
BGWC-13	717.43	67.55	649.88	67.55	649.88
BGWC-15	717.92	68.14	649.78	65.70	652.22
BGWC-37D	696.05	33.79	662.26	33.93	662.12
BGWC-39	679.12	21.07	658.05	21.71	657.41
BGWC-41D	679.12	20.67	658.45	20.82	658.30
BGWC-42D	696.90	34.59	662.31	34.76	662.14
BGWC-44D	717.30	47.14	670.16	46.52	670.78
INW-01	691.83	27.81	664.02	28.40	663.43

Table 3
Summary of Groundwater and Surface Water Elevations
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

		February 2025		July 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
PT-02	694.95	30.89	664.06	31.30	663.65
PT-03	696.05	30.26	665.79	31.02	665.03
PT-04	691.68	27.01	664.67	28.19	663.49
PT-05	691.43	27.49	663.94	27.90	663.53
PT-06	691.31	27.31	664.00	27.77	663.54
PZ-1	677.87	32.53	645.34	34.47	643.40
PZ-2	668.25	13.69	654.56	14.16	654.09
PZ-3	707.97	Dry	Dry	60.10	647.87
PZ-4	718.74	59.50	659.24	59.61	659.13
PZ-5	700.12	33.95	666.17	33.92	666.20
PZ-6	678.32	14.70	663.62	14.78	663.54
PZ-8	680.72	25.79	654.93	26.58	654.14
MW-108	715.27	44.99	670.28	44.61	670.66
Etowah River	--	--	644.66	--	643.10
General Service Water Pond	--	--	706.04	--	705.99
Euharlee Creek	677.19	20.45	656.74	20.66	656.53

Notes:
-- = Not applicable
BTOC = 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 and PZ-8 was obtained April 7, 2022. Survey for well PT-02 obtained November 20, 2023. Survey for well PT-03 obtained December 21, 2023. Survey completed by Gunnin Land. Surveying for piezometer Euharlee Creek was obtained March 10, 2023.
(2) Piezometers MW-108 and temporary piezometers INW-01 and PT-02 through PT-06 are not part of the monitoring well network. These piezometers are gauged on a routine basis to supplement data for groundwater contour development.
(3) 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
Georgia Power Company
Plant Bowen - Ash Pond
Bartow County, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs (ft)		Change in Elevation (ft)	Distance Between Well 1 and Well 2 (L) (ft)	Hydraulic Gradient (ft/ft)	Average Hydraulic Conductivity (K_h) (ft/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (ft/day)	Calculated Groundwater Flow Velocity (V) (ft/year)	Average Hydraulic Gradient (i) (ft/ft)	Average Groundwater Flow Velocity (V) (ft/day)
February 3, 2025	BGWC-9 to PZ-1	658.43	645.34	13.09	1,004	0.013	2.4	0.3	0.10	38.1	0.013	0.10
July 28, 2025	BGWC-9 to PZ-1	657.02	643.40	13.62	1,071	0.013	2.4	0.3	0.10	37.1		
February 3, 2025	BGWC-20 to BGWC-31	658.96	655.55	3.41	273	0.012	2.4	0.3	0.10	36.5	0.012	0.10
July 28, 2025	BGWC-20 to BGWC-31	658.49	655.18	3.31	271	0.012	2.4	0.3	0.10	35.6		
February 3, 2025	BGWC-24 to BGWC-40	683.20	663.90	19.30	717	0.027	2.4	0.3	0.22	78.6	0.025	0.20
July 28, 2025	BGWC-24 to BGWC-40	680.68	663.47	17.21	768	0.022	2.4	0.3	0.18	65.5		

Notes:
ft = feet
ft/day = feet per day
ft/ft = feet per foot
ft/year = feet per year
K_h = Average horizontal hydraulic conductivity (An average of 2.40 feet/day K_h was computed from slug test data derived from 26 locations in the bedrock across the Site)
n_e = effective porosity (Effective porosity of 30% was selected for the fractured and solutioned dolomite/limestone bedrock)
V = groundwater flow velocity
(1) Groundwater flow velocity equation: $V= (K_h * i)/n_e$
$i = h_1-h_2/L$ = horizontal hydraulic gradient (h_1 and h_2 = groundwater elevation at location 1 and 2)
L = distance between location 1 and 2 along the flow path.
(2) Flow path direction relative to the orientation of AP-1 and illustrated on Figure 3 and 4 of associated report.
(3) Elevations shown are referenced to datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988

Table 5
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWA-2	BGWA-2	BGWA-29	BGWA-29	BGWA-47D	BGWA-47D	BGWA-48D	BGWA-48D	BGWC-7	BGWC-7	BGWC-8
	Sample Date	02/10/2025	08/05/2025	02/06/2025	08/12/2025	02/04/2025	07/31/2025	02/04/2025	07/31/2025	02/06/2025	08/05/2025	02/05/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.018 J	0.013 J	< 0.0062	0.0092 J	0.022 J	0.021 J	0.022 J	0.022 J	0.83	0.69	0.029 J
Calcium	mg/L	50.1	45.7	23.0	20.1	108	113	42.6	42.2	125	101	44.5
Chloride	mg/L	3.1	3.0	0.96 J	1.4	4.6	4.7	5.8	7.6	6.1	6.8	1.4
Fluoride	mg/L	0.094 J	0.055 J	0.060 J	< 0.050	0.068 J	< 0.050	0.11	0.12	0.18	0.15	0.073 J
pH, Field	SU	7.54	7.43	8.13	7.92	6.95	6.81	7.55	7.47	7.03	7.01	7.64
Sulfate	mg/L	14.7	13.4	2.2	2.8	65.4	64.8	44.0	59.2	147	152	11.6
TDS	mg/L	234	242	119	115	406	382	324	336	562	571	173
APPENDIX IV												
Antimony	mg/L	< 0.00050	0.0010 J	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0031 J	0.0034	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.11	0.099	0.013	0.012	0.057	0.053	0.045	0.061	0.025	0.022	0.027
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	< 0.000600	< 0.000600	0.00139 J	0.00197 J	0.000632 J	0.000775 J	< 0.000600	< 0.000600	0.00630 J	0.00500	< 0.000600
Mercury	mg/L	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	0.00014 J	< 0.00012	< 0.000091	< 0.00012
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.0090 J	0.0036 J	0.011	0.011	< 0.0025
Combined Radium 226 + 228	pCi/L	0.578 U	0.541 U	0.347 U	0.245 U	1.47	0.923 U	0.782 U	0.736 U	1.51	1.06 U	0.641 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0019 J	0.0022 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	0.00082 J	0.00016 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00016 J	0.00015 J	< 0.00015
Fluoride	mg/L	0.094 J	0.055 J	0.060 J	< 0.050	0.068 J	< 0.050	0.11	0.12	0.18	0.15	0.073 J
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	208	NA	103	NA	285	NA	231	NA	293	NA	158
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0
Total Alkalinity as CaCO3	mg/L	208	NA	103	NA	285	NA	231	NA	293	NA	158
Iron	mg/L	0.61	NA	< 0.012	NA	0.023 J	NA	0.37	NA	0.51	NA	0.037 J
Magnesium	mg/L	21.0	NA	12.1	NA	19.9	NA	14.2	NA	40.9	NA	15.6
Manganese	mg/L	0.057	NA	< 0.0012	NA	0.0034 J	NA	0.025 J	NA	0.034 J	NA	0.0013 J
Potassium	mg/L	1.6	NA	0.71	NA	1.7	NA	1.4	NA	3.3	NA	2.9
Sodium	mg/L	2.9	NA	4.5	NA	4.1	NA	53.5	NA	15.9	NA	4.8
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	NA	0.26	NA	< 0.022	NA	< 0.022

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWC-8	BGWC-9	BGWC-9	BGWC-10	BGWC-10	BGWC-12	BGWC-12	BGWC-14A	BGWC-14A	BGWC-16	BGWC-16
	Sample Date	07/31/2025	02/05/2025	08/04/2025	02/06/2025	08/05/2025	02/05/2025	08/04/2025	02/05/2025	08/04/2025	02/06/2025	08/05/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.039 J	0.52	0.45	0.51	0.48	1.9	1.6	1.7	1.5	2.7	2.0
Calcium	mg/L	42.9	72.8	62.2	71.4	61.8	224	175	215	177	221	153
Chloride	mg/L	1.7	9.6	8.5	28.6	29.1	13.2	13.5	20.6	21.4	13.1	9.8
Fluoride	mg/L	0.055 J	0.11	0.11	0.068 J	0.055 J	0.10	0.10	0.085 J	0.084 J	0.12	0.086 J
pH, Field	SU	7.57	7.29	7.22	7.51	7.43	6.92	6.87	6.89	6.80	6.25	6.22
Sulfate	mg/L	16.2	80.0	80.3	89.8	95.9	456	420	440	434	455	400
TDS	mg/L	199	344	344	402	438	1130	1100	984	1040	1050	865
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	0.0040 J	0.0034	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.025	0.028	0.025	0.043	0.040	0.060	0.048	0.040	0.031	0.029	0.022
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00034 J	0.00024 J
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.00073	0.00050	0.0035	0.0021
Chromium	mg/L	< 0.0012	< 0.0012	0.0020 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0028 J	0.015	0.0093
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.00027 J	0.00030 J
Lithium	mg/L	< 0.000600	0.00148 J	0.00211	0.00129 J	0.000696 J	0.00153 J	0.00222	0.00137 J	0.00169 J	0.00112 J	0.000785 J
Mercury	mg/L	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	0.00018 J	< 0.00012	< 0.000091
Molybdenum	mg/L	< 0.0025	< 0.0025	0.0027 J	0.0027 J	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Combined Radium 226 + 228	pCi/L	0.661 U	0.831 U	0.655 U	1.40	1.08 U	0.466 U	1.31 U	0.164 U	0.472 U	0.712 U	0.307 U
Selenium	mg/L	< 0.0012	0.0016 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.012	< 0.0012	0.0036 J	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	0.00018 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00066 J	0.00057	0.00027 J	0.00025 J
Fluoride	mg/L	0.055 J	0.11	0.11	0.068 J	0.055 J	0.10	0.10	0.085 J	0.084 J	0.12	0.086 J
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	NA	217	NA	193	NA	308	NA	203	NA	101	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Total Alkalinity as CaCO3	mg/L	NA	217	NA	193	NA	308	NA	203	NA	101	NA
Iron	mg/L	NA	0.12	NA	0.16	NA	0.030 J	NA	0.022 J	NA	0.034 J	NA
Magnesium	mg/L	NA	28.3	NA	32.0	NA	74.7	NA	58.3	NA	31.2	NA
Manganese	mg/L	NA	0.017 J	NA	0.027 J	NA	0.0021 J	NA	1.3	NA	6.2	NA
Potassium	mg/L	NA	2.9	NA	2.3	NA	4.2	NA	6.9	NA	7.4	NA
Sodium	mg/L	NA	13.8	NA	17.0	NA	44.0	NA	30.2	NA	47.8	NA
Sulfide	mg/L	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWC-17	BGWC-17	BGWC-18	BGWC-18	BGWC-19	BGWC-19	BGWC-20	BGWC-20	BGWC-21	BGWC-21	BGWC-22
	Sample Date	02/07/2025	08/05/2025	02/07/2025	08/05/2025	02/07/2025	08/06/2025	02/06/2025	08/07/2025	02/10/2025	08/11/2025	02/13/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	1.2	1.1	0.50	0.46	0.40	0.59	5.4	4.7	0.025 J	0.030 J	13.2
Calcium	mg/L	86.6	82.1	52.0	64.9	70.6	75.1	327	267	45.6	43.5	427
Chloride	mg/L	35.9	32.4	5.6	5.3	6.5	11.1	118	130	4.7	4.9	381
Fluoride	mg/L	0.17	0.14	0.074 J	0.077 J	0.083 J	0.076 J	0.077 J	0.061 J	0.078 J	< 0.050	0.29
pH, Field	SU	7.11	7.22	6.59	6.80	6.72	6.70	7.16	7.16	7.68	7.61	6.85
Sulfate	mg/L	119	132	62.0	56.9	91.0	111	573	585	51.6	52.2	356
TDS	mg/L	442	504	264	345	345	424	1430	1420	243	253	1670
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00085 J
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.016	0.016	0.034	0.032	0.037	0.041	0.037	0.031	0.020	0.018	0.046
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	0.00019 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.0013
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0024 J	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0066	0.010	0.011
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	< 0.000600	0.000820 J	< 0.000600	< 0.000600	< 0.000600	< 0.000600	0.0861	0.0718	< 0.000600	< 0.000600	0.0140 J
Mercury	mg/L	0.00017 J	0.00037	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	0.0018	< 0.00012	< 0.000091	< 0.00012
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.068	0.062	0.0049 J	0.0040 J	0.040
Combined Radium 226 + 228	pCi/L	1.11 U	1.000 U	0.737 U	0.697 U	0.952 U	0.315 U	1.10	0.946 U	1.23 U	0.580 U	1.60
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0020 J	0.0022 J	< 0.0012	< 0.0012	0.0020 J
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00023 J	0.00025 J	< 0.00015	< 0.00015	0.0011
Fluoride	mg/L	0.17	0.14	0.074 J	0.077 J	0.083 J	0.076 J	0.077 J	0.061 J	0.078 J	< 0.050	0.29
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	159	NA	157	NA	190	NA	94.0	NA	179	NA	156
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0
Total Alkalinity as CaCO3	mg/L	159	NA	157	NA	190	NA	94.0	NA	179	NA	156
Iron	mg/L	0.95	NA	0.58	NA	0.85	NA	0.11	NA	0.49	NA	4.8
Magnesium	mg/L	29.5	NA	22.1	NA	27.5	NA	50.9	NA	25.0	NA	66.8
Manganese	mg/L	0.28	NA	< 0.0012	NA	0.078	NA	0.99	NA	0.024 J	NA	2.7
Potassium	mg/L	2.5	NA	1.5	NA	3.0	NA	11.3	NA	1.4	NA	11.6
Sodium	mg/L	10.6	NA	2.5	NA	3.1	NA	34.3	NA	2.3	NA	32.0
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWC-22	BGWC-23	BGWC-23	BGWC-24	BGWC-24	BGWC-25	BGWC-25	BGWC-30	BGWC-30	BGWC-51	BGWC-51
	Sample Date	08/07/2025	02/11/2025	08/11/2025	02/11/2025	08/11/2025	02/10/2025	08/07/2025	02/10/2025	08/05/2025	02/06/2025	08/13/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	9.8	6.7	6.0	12.5	11.7	0.16	0.17	1.1	1.7	1.1	1.1
Calcium	mg/L	252	280	228	377	337	66.0	54.8	69.4	80.8	79.3	80.1
Chloride	mg/L	262	277	291	352	390	24.2	21.9	63.2	98.5	34.5	46.1
Fluoride	mg/L	0.27	0.056 J	0.074 J	0.17	0.19	0.066 J	< 0.050	0.091 J	0.073 J	0.19	0.18
pH, Field	SU	6.88	6.94	7.03	6.6	6.59	7.47	7.46	7.37	7.34	7.39	7.05
Sulfate	mg/L	305	218	214	229	267	42.4	40.7	29.4	48.7	58.8	99.7
TDS	mg/L	1370	1300	1450	1500	1680	286	284	282	528	321	432
APPENDIX IV												
Antimony	mg/L	< 0.00050	0.0031	0.0034	0.0032	0.0090	< 0.00050	< 0.00050	< 0.00050	0.00051 J	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0022	0.0013 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.051	0.053	0.044	0.041	0.037	0.015	0.012	0.042	0.061	0.0055	0.0079
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00027 J	0.00029 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	0.00022 J	< 0.00012	< 0.00012	0.0017	0.0019	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.012	< 0.0012	< 0.0012	0.0027 J	0.0013 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.0129	0.0128 J	0.0122	0.00445 J	0.00614	< 0.000600	< 0.000600	< 0.000600	0.00132 J	< 0.000600	0.00140 J
Mercury	mg/L	< 0.000091	< 0.00012	< 0.000091	0.00085	0.00094	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091
Molybdenum	mg/L	0.041	0.0055 J	0.0043 J	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.0028 J	0.0048 J	< 0.0025	< 0.0025
Combined Radium 226 + 228	pCi/L	1.78	1.18 U	0.430 U	2.60	0.669 U	0.747 U	0.378 U	0.708 U	0.486 U	0.876 U	0.581 U
Selenium	mg/L	0.0025 J	0.0015 J	0.0034 J	0.0070	0.0083	< 0.0012	< 0.0012	0.0024 J	0.0053	0.0056	0.0062
Thallium	mg/L	0.00064	0.00038 J	0.00036 J	0.00020 J	0.00028 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.27	0.056 J	0.074 J	0.17	0.19	0.066 J	< 0.050	0.091 J	0.073 J	0.19	0.18
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	NA	228	NA	170	NA	205	NA	165	NA	161	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Total Alkalinity as CaCO3	mg/L	NA	228	NA	170	NA	205	NA	165	NA	161	NA
Iron	mg/L	NA	3.5	NA	4.2	NA	1.1	NA	0.72	NA	0.82	NA
Magnesium	mg/L	NA	81.6	NA	48.6	NA	28.0	NA	23.6	NA	17.3	NA
Manganese	mg/L	NA	0.16	NA	1.9 J	NA	0.21	NA	< 0.0012	NA	< 0.0012	NA
Potassium	mg/L	NA	5.6	NA	6.6	NA	0.76	NA	2.3	NA	2.4	NA
Sodium	mg/L	NA	20.2	NA	15.4	NA	2.4	NA	2.7	NA	5.5	NA
Sulfide	mg/L	NA	0.20	NA	0.023 J	NA	0.050 J	NA	< 0.022	NA	< 0.022	NA

Notes:
mg/L = milligrams per liter
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TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
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(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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWC-52	BGWC-52	BGWC-31	BGWC-31	BGWC-32	BGWC-32	BGWC-34D	BGWC-34D	BGWC-35D	BGWC-35D	BGWC-36D
	Sample Date	02/07/2025	08/11/2025	02/06/2025	08/08/2025	02/12/2025	08/12/2025	02/06/2025	08/07/2025	02/11/2025	08/11/2025	02/05/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.72	0.83	0.74	0.70	0.86	0.92	0.46	0.44	12.0	10.5	4.0 J
Calcium	mg/L	60.5	67.8	86.9	76.9	133	126	138	117	554	464	161
Chloride	mg/L	31.3	31.4	28.7	26.6	148	177	48.5	48.5	474	657	196
Fluoride	mg/L	0.14	0.13	0.055 J	< 0.050	0.14	0.089 J	0.065 J	< 0.050	0.16	0.14	0.14
pH, Field	SU	7.6	7.42	7.28	7.15	7.28	7.09	7.15	7.13	7.1	6.90	7.41
Sulfate	mg/L	64.0	74.5	110	114	134	157	146	157	298	472	98.4
TDS	mg/L	282	321	448	472	700	1680	591	580	2210	2770	686
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00086 J	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	0.0030 J	0.0029	< 0.0012	< 0.0012	0.015	0.014	0.0038 J	0.0030	< 0.0012
Barium	mg/L	0.019	0.018	0.044	0.039	0.085	0.083	0.060	0.052	0.053	0.051	0.063
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0086	< 0.0012
Cobalt	mg/L	0.0014 J	0.0014 J	< 0.0012	< 0.0012	0.0032 J	< 0.0012	0.0017 J	0.0016 J	0.0019 J	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00105 J	0.00143 J	< 0.000600	< 0.000600	< 0.000600	0.00116 J	0.000849 J	0.000812 J	0.0175 J	0.0193	0.00128 J
Mercury	mg/L	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012
Molybdenum	mg/L	0.0028 J	< 0.0025	< 0.0025	< 0.0025	0.0042 J	0.0040 J	< 0.0025	< 0.0025	0.028	0.025	0.011
Combined Radium 226 + 228	pCi/L	0.130 U	1.15	1.33	1.35	1.28	0.966 U	2.75	2.56	2.71	2.08	1.19
Selenium	mg/L	0.0043 J	0.0031 J	< 0.0012	< 0.0012	< 0.0012	0.0013 J	< 0.0012	< 0.0012	0.0034 J	0.0078	0.016
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00020 J
Fluoride	mg/L	0.14	0.13	0.055 J	< 0.050	0.14	0.089 J	0.065 J	< 0.050	0.16	0.14	0.14
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	105	NA	31.2	NA	196	NA	232	NA	102	NA	138
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0
Total Alkalinity as CaCO3	mg/L	105	NA	31.2	NA	196	NA	232	NA	102	NA	138
Iron	mg/L	0.68	NA	1.3	NA	1.7	NA	1.2	NA	8.8	NA	0.017 J
Magnesium	mg/L	11.7	NA	41.8	NA	59.0	NA	36.9	NA	128	NA	55.2
Manganese	mg/L	0.011 J	NA	0.17	NA	0.044	NA	0.017 J	NA	0.44	NA	0.0024 J
Potassium	mg/L	2.7	NA	1.6	NA	2.0	NA	2.1	NA	8.7	NA	3.6
Sodium	mg/L	6.6	NA	8.2	NA	11.3	NA	6.7	NA	35.7	NA	11.2
Sulfide	mg/L	< 0.022	NA	0.025 J	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWC-36D	BGWC-38D	BGWC-38D	BGWC-40	BGWC-40	BGWC-43D	BGWC-43D	BGWC-49D	BGWC-49D	BGWC-50D	BGWC-50D
	Sample Date	08/07/2025	02/11/2025	08/06/2025	02/10/2025	08/08/2025	02/11/2025	08/07/2025	02/10/2025	08/06/2025	02/05/2025	07/31/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	3.1	10	6.4	1.9	1.8	11.9	8.5	8.0	6.9	0.051	0.027 J
Calcium	mg/L	118	236	156	114	103	316	206	226	204	75.0	59.8
Chloride	mg/L	197	258	231	79.1	58.6	345	279	377	418	20.0	11.0
Fluoride	mg/L	0.14	0.61	0.40	0.085 J	0.059 J	0.89	0.94	0.087 J	0.061 J	0.15	0.076 J
pH, Field	SU	7.24	7.17	6.85	7.2	7.17	7.2	7.05	7.43	7.39	7.44	7.39
Sulfate	mg/L	96.6	159	143	46.2	88.9	238	221	183	205	213	102
TDS	mg/L	683	1010	964	495	506	1240	1100	1140	1280	662	422
APPENDIX IV												
Antimony	mg/L	< 0.00050	0.0010 J	0.0028	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0030 J	0.0027
Barium	mg/L	0.053	0.085	0.10	0.035	0.033	0.057	0.049	0.062	0.060	0.047	0.031
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	0.00044 J	< 0.00012	< 0.00012	< 0.00012	0.00043 J	0.00047 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	0.0018 J	< 0.0012	< 0.0012	< 0.0012	0.0026 J	0.0023 J	< 0.0012	< 0.0012	< 0.0012	0.0013 J
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00173 J	0.00750 J	0.00189 J	< 0.000600	< 0.000600	0.0172 J	0.0173	0.00469 J	0.00427	0.00175 J	0.00116 J
Mercury	mg/L	< 0.000091	< 0.00012	0.00026	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091
Molybdenum	mg/L	0.0082 J	0.098	0.084	< 0.0025	< 0.0025	0.14	0.17	0.0047 J	0.0051 J	0.0038 J	< 0.0025
Combined Radium 226 + 228	pCi/L	1.50 U	2.44	3.78	0.803 U	0.490 U	1.16	1.70	2.08	1.86	1.15	1.11
Selenium	mg/L	0.012	0.0045 J	0.011	0.0067	0.0066	0.0019 J	0.0030 J	0.0015 J	0.0050	< 0.0012	< 0.0012
Thallium	mg/L	0.00017 J	0.0013	0.00016 J	< 0.00015	< 0.00015	0.0024	0.0021	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.14	0.61	0.40	0.085 J	0.059 J	0.89	0.94	0.087 J	0.061 J	0.15	0.076 J
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	NA	128	NA	233	NA	110	NA	103	NA	281	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Total Alkalinity as CaCO3	mg/L	NA	128	NA	233	NA	110	NA	103	NA	281	NA
Iron	mg/L	NA	2.8	NA	1.3	NA	3.7	NA	2.6	NA	2.3	NA
Magnesium	mg/L	NA	52.8	NA	36.9	NA	67.8	NA	99.2	NA	29.5	NA
Manganese	mg/L	NA	0.44	NA	0.0016 J	NA	1.2 J	NA	0.20	NA	0.066	NA
Potassium	mg/L	NA	4.4	NA	1.6	NA	5.4	NA	3.0	NA	1.4	NA
Sodium	mg/L	NA	17.4	NA	6.3	NA	18.8	NA	29.4	NA	149	NA
Sulfide	mg/L	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	0.16	NA	0.14	NA

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
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
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	BGWC-53D	BGWC-53D	PZ-7	PZ-7	BGWA-6	BGWC-37D	BGWC-39	BGWC-41D	BGWC-42D	BGWC-44D
	Sample Date	02/12/2025	08/08/2025	02/07/2025	08/11/2025	02/04/2025	02/11/2025	02/18/2025	02/12/2025	02/11/2025	02/05/2025
ANALYTE	UNITS										
APPENDIX III											
Boron	mg/L	3.2	3.1	1.7	2.8	0.0090 J	1.5	3.5	1.7	1.7	0.023 J
Calcium	mg/L	198	165	141	169	72.4	124	135	260	87.4	44.6
Chloride	mg/L	41.4	40.1	16.2	25.0	7.0	136	83.6	369	68.0	9.2
Fluoride	mg/L	0.076 J	0.076 J	0.062 J	0.051 J	0.065 J	0.17	0.081 J	0.077 J	0.56	0.12
pH, Field	SU	7.53	7.56	6.76	6.95	7.19	7.4	6.77	7.27	7.36	7.65
Sulfate	mg/L	453	457	228	249	14.4	116	105	296	102	32.7
TDS	mg/L	1070	1020	666	872	323	650	550	1370	470	324
APPENDIX IV											
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.0020 J	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	0.0015 J	< 0.0012	< 0.0012	< 0.0012	0.0041 J	< 0.0012	< 0.0012	0.0019 J	0.0038 J
Barium	mg/L	0.061	0.048	0.025	0.028	0.043	0.079	0.027	0.078	0.047	0.035
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	0.00014 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00115 J	0.00114 J	0.000796 J	0.00351	< 0.000600	0.00218 J	0.00244 J	0.00169 J	0.00193 J	0.00310 J
Mercury	mg/L	< 0.00012	< 0.000091	0.00068	0.0013	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Molybdenum	mg/L	0.0028 J	0.0027 J	< 0.0025	< 0.0025	< 0.0025	0.020	0.0035 J	0.0070 J	0.010	< 0.0025
Combined Radium 226 + 228	pCi/L	1.06 U	0.933 U	1.29	0.608 U	0.927 U	2.04	0.227 U	2.61	0.951 U	1.73
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0016 J	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	0.00020 J	0.00036 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.076 J	0.076 J	0.062 J	0.051 J	0.065 J	0.17	0.081 J	0.077 J	0.56	0.12
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	128	NA	181	NA	305	166	189	114	205	287
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	128	NA	181	NA	305	166	189	114	205	287
Iron	mg/L	2.4	NA	1.6	NA	0.030 J	2.6	1.6	3.5	1.4	0.76
Magnesium	mg/L	45.6	NA	28.2	NA	36.1	52.4	22.3	109	34.3	26.9
Manganese	mg/L	0.31	NA	0.016 J	NA	0.035 J	0.029 J	< 0.0012	0.024 J	0.022 J	0.060
Potassium	mg/L	5.3	NA	3.1	NA	1.3	1.8	4.7	1.2	1.8	1.1
Sodium	mg/L	66.1	NA	22.6	NA	4.2	11.1	8.7	23.2	34.9	45.2
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	0.044 J	< 0.022	< 0.022	3.4	0.41

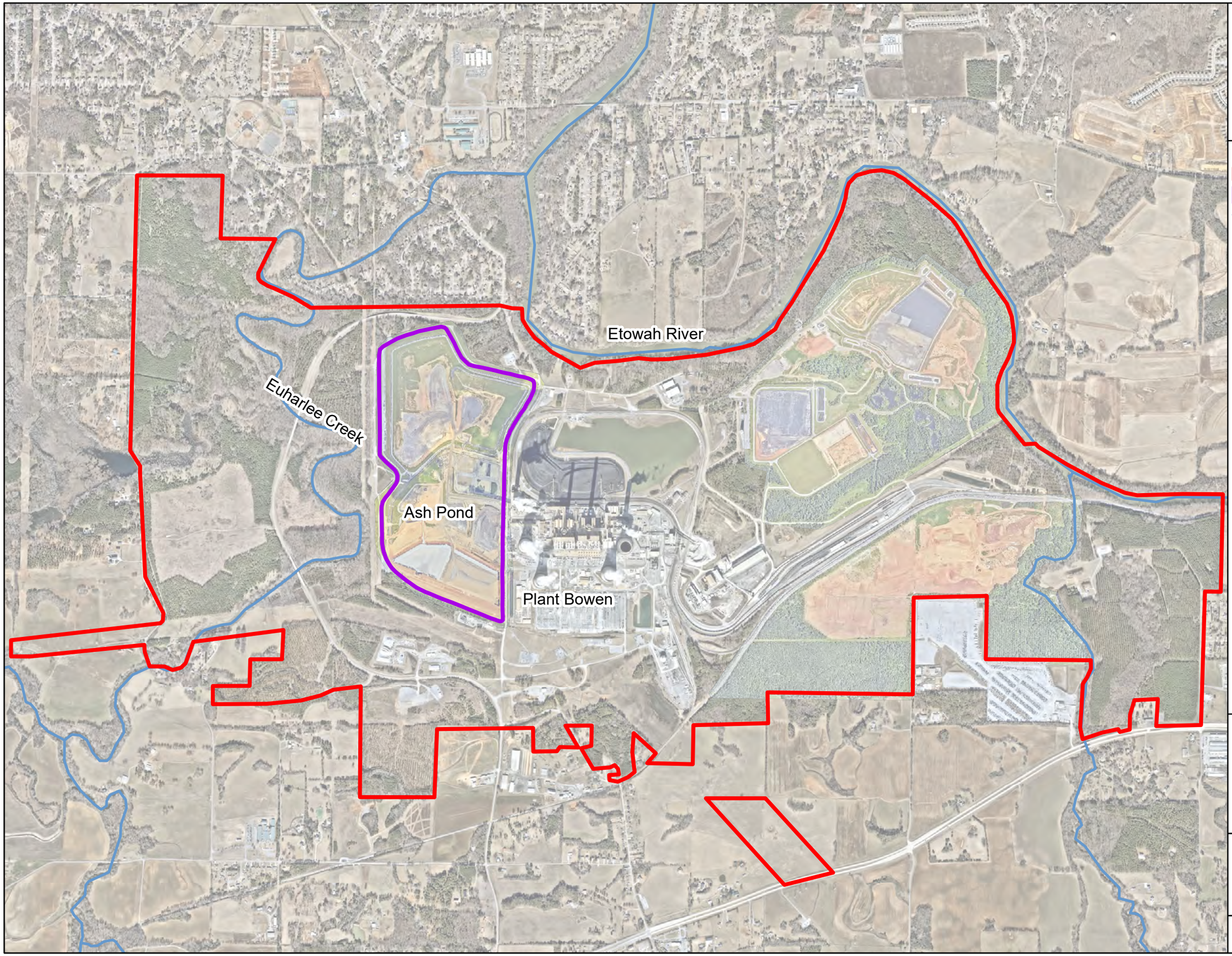
Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
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 6
Summary of Background Concentrations and Groundwater Protection Standards
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

Analyte	Units	EPA MCL	CCR-Rule Specified[1]	Background Limit [2]	GWPS [3, 4]
Antimony	mg/L	0.006	N/A	0.0042	0.006
Arsenic	mg/L	0.01	N/A	0.01	0.01
Barium	mg/L	2	N/A	0.22	2
Beryllium	mg/L	0.004	N/A	0.0005, 0.0004	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
Combined Radium 226 + 228	pCi/L	5	N/A	1.65, 1.63	5
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, 0.002	0.04
Mercury	mg/L	0.002	N/A	0.00022	0.002
Molybdenum	mg/L	N/A	0.1	0.01	0.1
Selenium	mg/L	0.05	N/A	0.005	0.05
Thallium	mg/L	0.002	N/A	0.001, 0.00082	0.002

Notes:
CCR = Coal Combustion Residuals
EPA = Environmental Protection Agency
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). A cell with two values denotes that different background concentrations were calculated per semiannual event, presented in the order of the events.
(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 February and Julyl/August 2025 sampling events.

FIGURES



N

LEGEND

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



Notes:
1. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
2. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 1,000 2,000 4,000 Feet

SITE LOCATION MAP

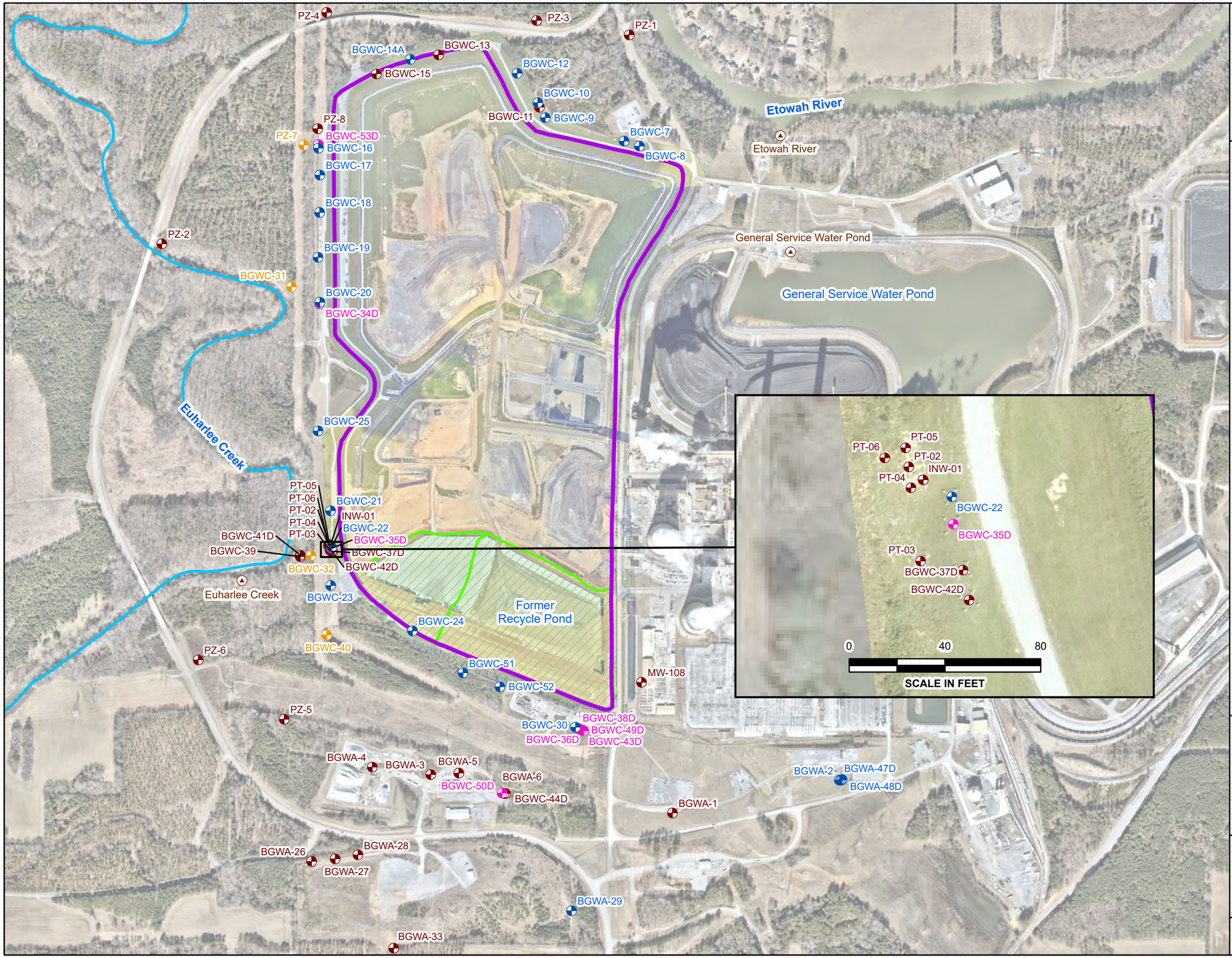
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 1



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Transducer
- Euharlee Creek
- Approximate AP-1 Boundary
- Areas where CCR has been certified removed as of December 2025

Notes:
1. All wells and piezometers presented are screened within the weathered fractured bedrock.
2. Temporary corrective action piezometers INW-01 and PT-02 through PT-06 were installed in support of pre-design investigation activities and are not included in the monitoring well network.
3. BGWA-6 BGWA-33, BGWC-37D, BGWC-39, BGWC-41D, BGWC-42D, and BGWC-44D were repurposed to piezometers on July 16, 2025.
4. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
5. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

MONITORING WELL NETWORK MAP

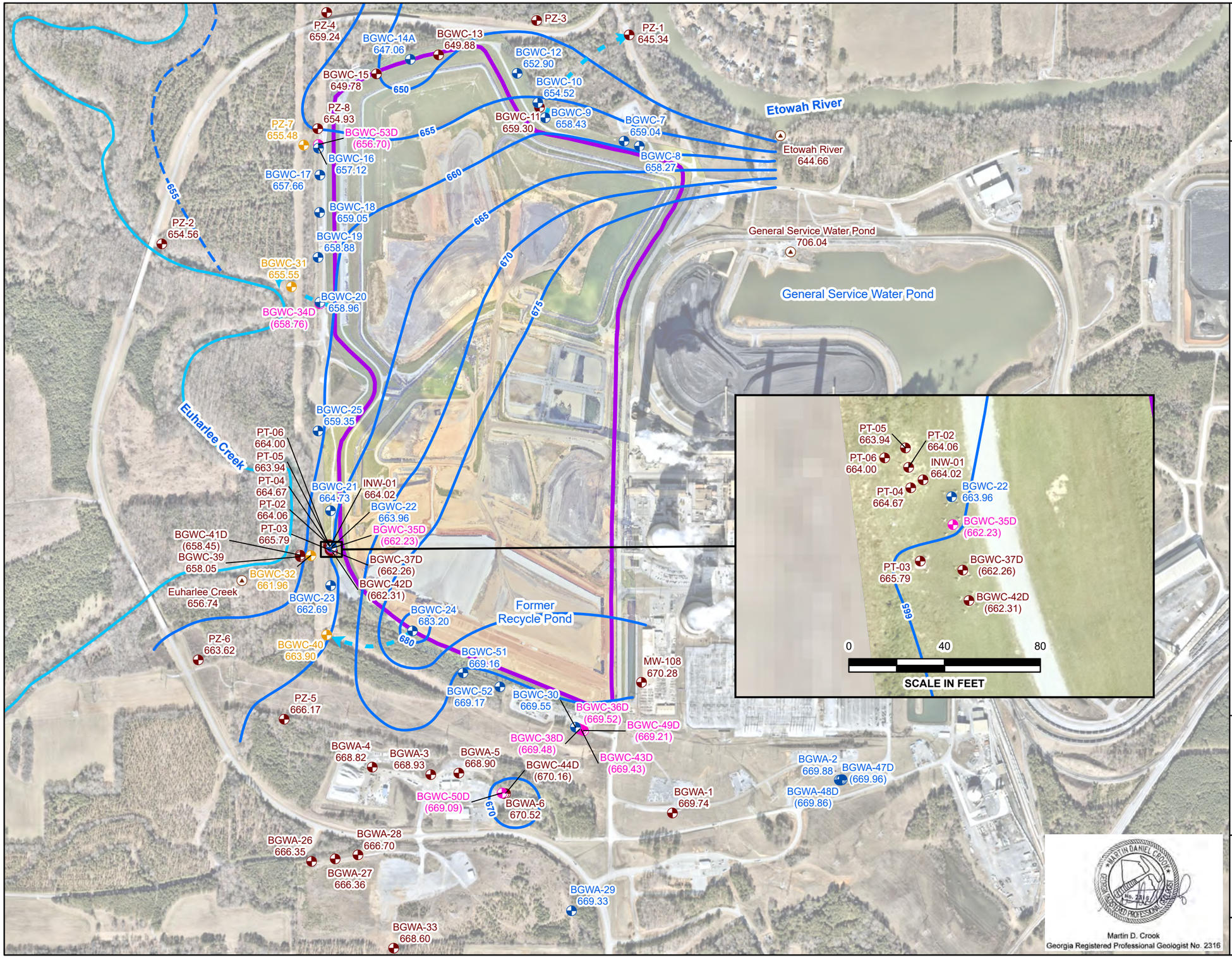
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 2



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well (Not Used for Contouring)
- Piezometer
- Surface Water Transducer
- Euharlee Creek
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Approximate AP-1 Boundary

Notes:
1. Water level elevations recorded on February 3, 2025. 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 WinSitu® 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. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
5. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

Martin D. Crook
Georgia Registered Professional Geologist No. 2316

POTENTIOMETRIC SURFACE CONTOUR MAP - FEBRUARY 2025

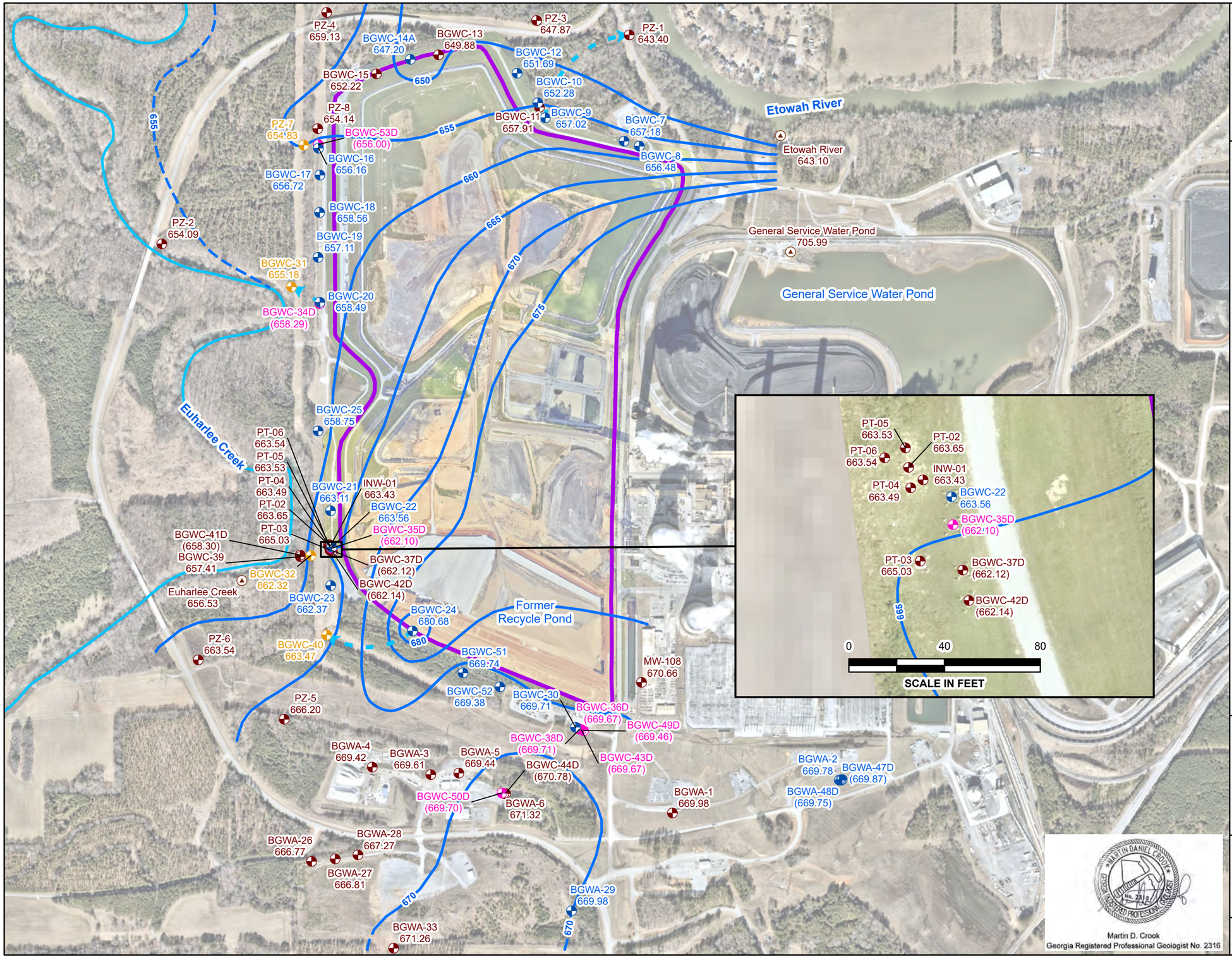
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 3



POTENTIOMETRIC SURFACE CONTOUR MAP - JULY 2025

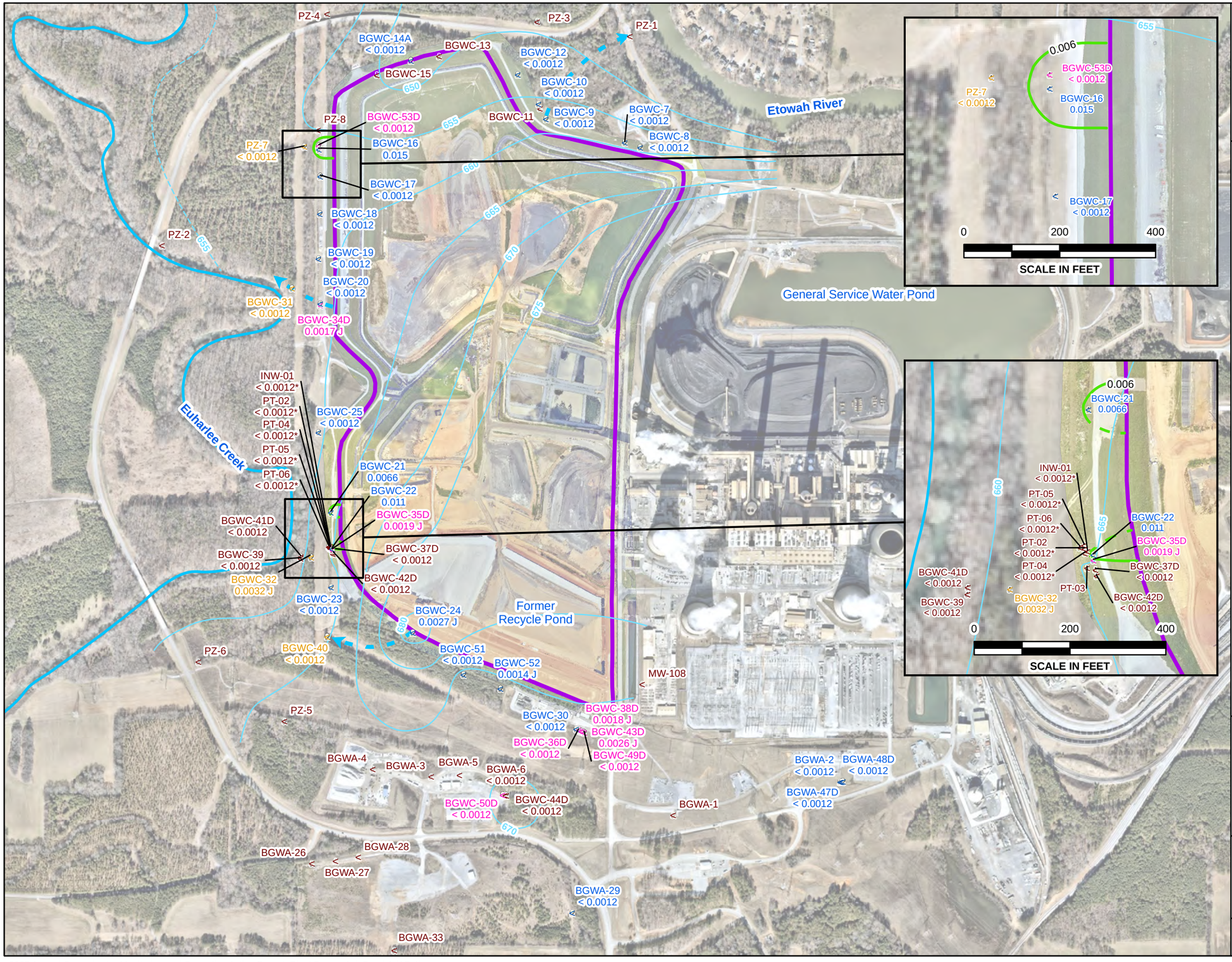
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 4



N

LEGEND

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

Notes:
1. Concentration data is from the February 2025 semiannual groundwater monitoring event. Concentrations are reported in milligrams per liter (mg/L).
2. Water level elevations recorded February 3, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. Temporary corrective action piezometers INW-01 and PT-02 through PT-06 were installed in support of pre-design investigation activities and are not included in the monitoring well network.
4. The Groundwater Protection Standard (GWPS) for cobalt is 0.006 mg/L.
5. J - Estimated value.
6. * - Analytical results are from the February 13, 2025 pre-design investigation event.
7. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
8. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600 Feet

ISO-CONCENTRATION MAP COBALT - FEBRUARY 2025

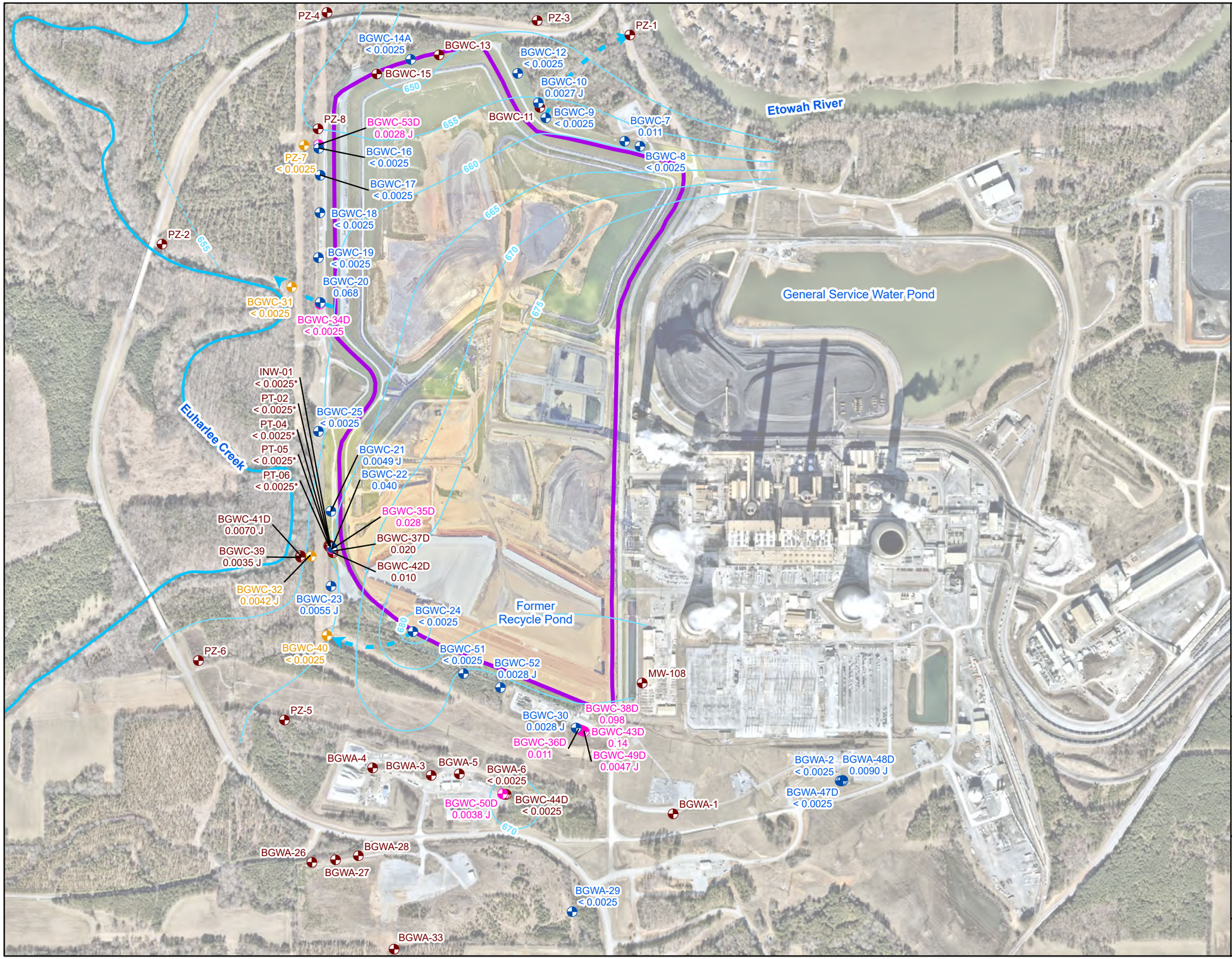
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 5



N

LEGEND

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

Notes:
1. Concentration data is from the February 2025 semiannual groundwater monitoring event. Concentrations are reported in milligrams per liter (mg/L).
2. Water level elevations recorded February 3, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. Temporary corrective action piezometers INW-01 and PT-02 through PT-06 were installed in support of pre-design investigation activities and are not included in the monitoring well network.
4. The Groundwater Protection Standard (GWPS) for molybdenum is 0.100 mg/L.
5. J - Estimated value.
6. * - Analytical results are from the February 13, 2025 pre-design investigation event.
7. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
8. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

ISO-CONCENTRATION MAP
MOLYBDENUM - FEBRUARY 2025

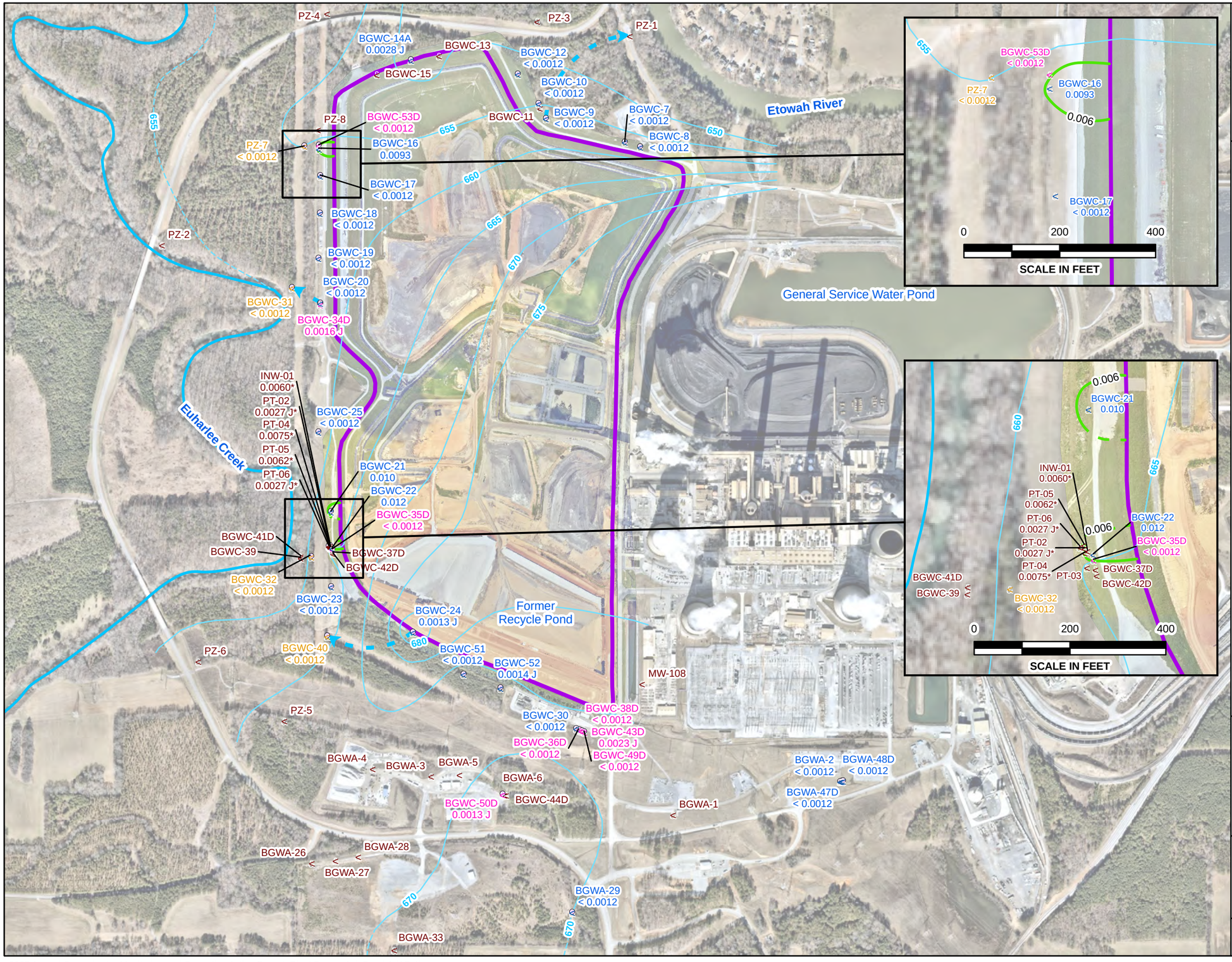
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 6



N

LEGEND

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

Notes:
1. Concentration data is from the July/August 2025 semiannual groundwater monitoring event. Concentrations are reported in milligrams per liter (mg/L).
2. Water level elevations recorded July 28, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. Temporary corrective action piezometers INW-01 and PT-02 through PT-06 were installed in support of pre-design investigation activities and are not included in the monitoring well network.
4. The Groundwater Protection Standard (GWPS) for cobalt is 0.006 mg/L.
5. J - Estimated value.
6. * - Analytical results are from the August 12, 2025 pre-design investigation event.
7. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
8. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

ISO-CONCENTRATION MAP COBALT - JULY/AUGUST 2025

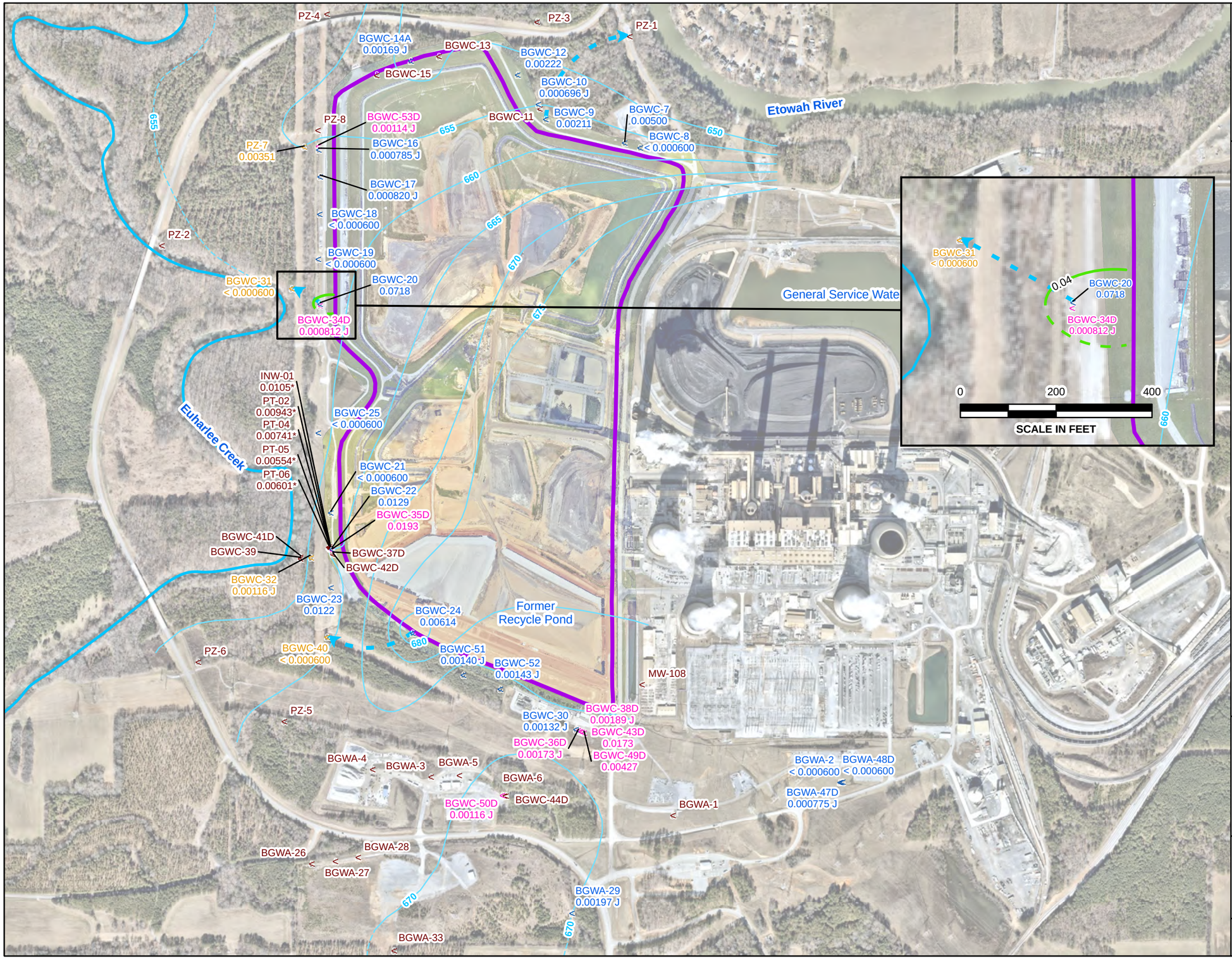
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 7



LEGEND

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

Notes:
1. Concentration data is from the July/August 2025 semiannual groundwater monitoring event. Concentrations are reported in milligrams per liter (mg/L).
2. Water level elevations recorded July 28, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. Temporary corrective action piezometers INW-01 and PT-02 through PT-06 were installed in support of pre-design investigation activities and are not included in the monitoring well network.
4. The Groundwater Protection Standard (GWPS) for lithium is 0.04 mg/L.
5. J - Estimated value.
6. * - Analytical results are from the August 6 to 7, 2025 pre-design investigation event.
7. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
8. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

ISO-CONCENTRATION MAP
LITHIUM - JULY/AUGUST 2025

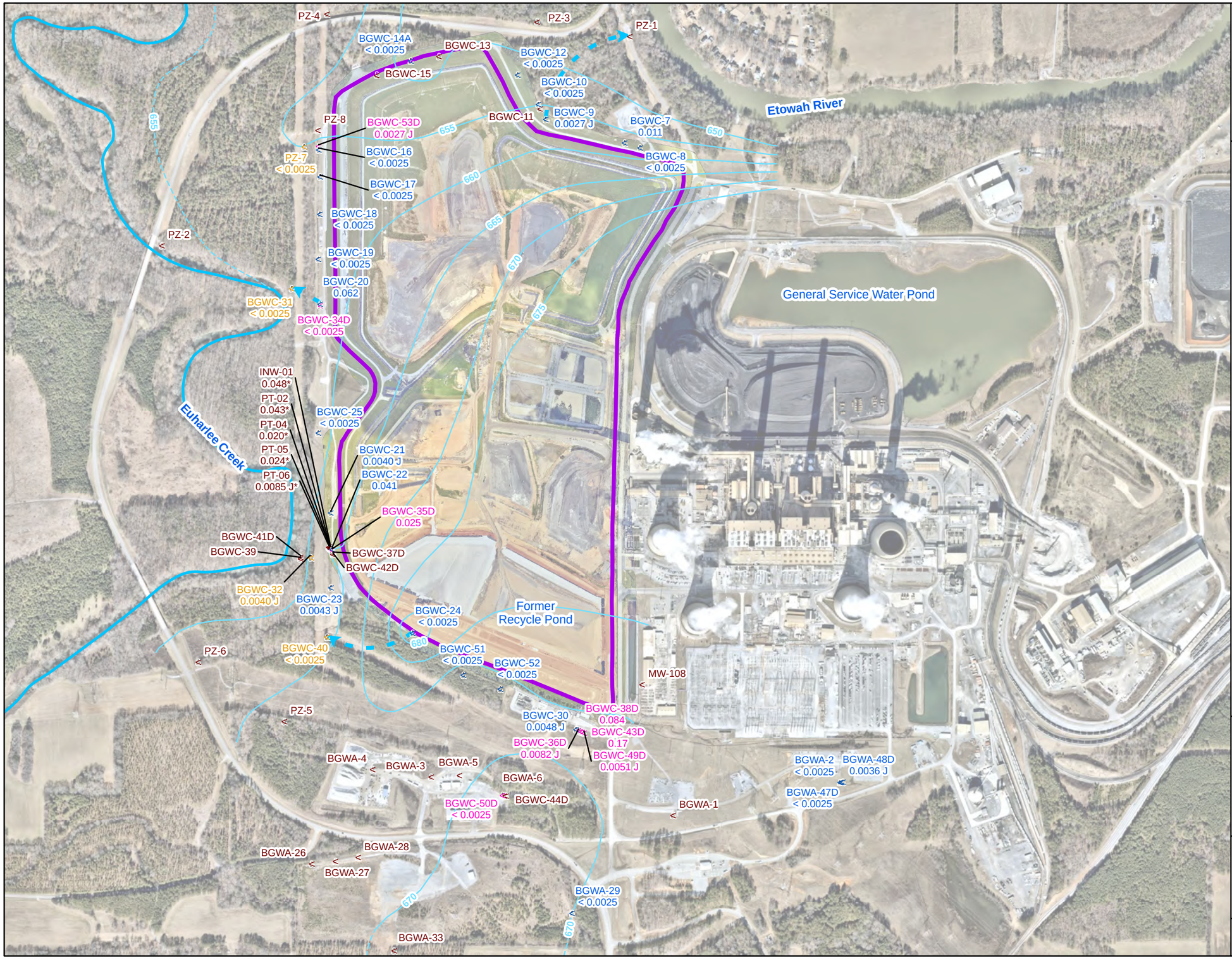
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 8



N

LEGEND

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

Notes:
1. Concentration data is from the July/August 2025 semiannual groundwater monitoring event. Concentrations are reported in milligrams per liter (mg/L).
2. Water level elevations recorded July 28, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. Temporary corrective action piezometers INW-01 and PT-02 through PT-06 were installed in support of pre-design investigation activities and are not included in the monitoring well network.
4. The Groundwater Protection Standard (GWPS) for molybdenum is 0.100 mg/L.
5. J - Estimated value.
6. * - Analytical results are from the August 12, 2025 pre-design investigation event.
7. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, June 2025.
8. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600 Feet

ISO-CONCENTRATION MAP MOLYBDENUM - JULY/AUGUST 2025

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

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | January 2026

FIGURE 9

APPENDIX A

Well Maintenance and Repair Documentation Memorandum

MEMORANDUM

Date: March 10, 2025

To: Kristen Jurinko – Georgia Power

CC: Ben Hodges – Georgia Power Company

From: EnSafe

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

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

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Plant Bowen Ash Pond	2/19/25	PT-03	Concrete pad patched
Plant Bowen Ash Pond	2/19/25	PT-04	Concrete pad replaced
Plant Bowen Ash Pond	2/19/25	PT-05	Concrete pad replaced
Plant Bowen Ash Pond	2/19/25	PT-06	Concrete pad replaced
Plant Bowen Ash Pond	2/19/25	INW-01	Concrete pad replaced

All maintenance and repairs are also documented in the 2025 semiannual groundwater monitoring report.

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
BGWC-39	YES	YES	NO	YES
BGWC-40	YES	YES	NO	YES
BGWC-41D	YES	YES	NO	YES
BGWC-42D	YES	YES	NO	YES
BGWC-43D	YES	YES	NO	YES
BGWC-44D	YES	YES	NO	YES
BGWA-47D	YES	YES	NO	YES
BGWA-48D	YES	YES	NO	YES
BGWC-49D	YES	YES	NO	YES
BGWC-50D	YES	YES	NO	YES
BGWC-51	YES	YES	NO	YES
BGWC-52	YES	YES	NO	YES
BGWC-53D	YES	YES	NO	YES
PZ-1	YES	YES	NO	YES
PZ-2	YES	YES	NO	YES
PZ-3	YES	YES	NO	YES
PZ-4	YES	YES	NO	YES
PZ-5	YES	YES	NO	YES
PZ-6	YES	YES	NO	YES
PZ-7	YES	YES	NO	YES
PZ-8	YES	YES	NO	YES
MW-108	YES	YES	NO	YES
PT-02	YES	YES	NO	YES
PT-03	YES	YES	NO	YES
PT-04	YES	YES	NO	YES
PT-05	YES	YES	NO	YES
PT-06	YES	YES	NO	YES
INW-01	YES	YES	NO	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
BGWC-39	YES	YES	YES	YES	YES
BGWC-40	YES	YES	YES	YES	YES
BGWC-41D	YES	YES	YES	YES	YES
BGWC-42D	YES	YES	YES	YES	YES
BGWC-43D	YES	YES	YES	YES	YES
BGWC-44D	YES	YES	YES	YES	YES
BGWA-47D	YES	YES	YES	YES	YES
BGWA-48D	YES	YES	YES	YES	YES
BGWC-49D	YES	YES	YES	YES	YES
BGWC-50D	YES	YES	YES	YES	YES
BGWC-51	YES	YES	YES	YES	YES
BGWC-52	YES	YES	YES	YES	YES
BGWC-53D	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES
PZ-3	YES	YES	YES	YES	YES
PZ-4	YES	YES	YES	YES	YES
PZ-5	YES	YES	YES	YES	YES
PZ-6	YES	YES	YES	YES	YES
PZ-7	YES	YES	YES	YES	YES
PZ-8	YES	YES	YES	YES	YES
MW-108	YES	YES	YES	YES	YES
PT-02	YES	YES	YES	YES	YES
PT-03	YES	YES	YES	YES	YES
PT-04	YES	YES	YES	YES	YES
PT-05	YES	YES	YES	YES	YES
PT-06	YES	YES	YES	YES	YES
PT-06	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
BGWC-39	YES	YES	YES	YES	YES	YES
BGWC-40	YES	YES	YES	YES	YES	YES
BGWC-41D	YES	YES	YES	YES	YES	YES
BGWC-42D	YES	YES	YES	YES	YES	YES
BGWC-43D	YES	YES	YES	YES	YES	YES
BGWC-44D	YES	YES	YES	YES	YES	YES
BGWA-47D	YES	YES	YES	YES	YES	YES
BGWA-48D	YES	YES	YES	YES	YES	YES
BGWC-49D	YES	YES	YES	YES	YES	YES
BGWC-50D	YES	YES	YES	YES	YES	YES
BGWC-51	YES	YES	YES	YES	YES	YES
BGWC-52	YES	YES	YES	YES	YES	YES
BGWC-53D	YES	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES	YES
PZ-3	YES	YES	YES	YES	YES	YES
PZ-4	YES	YES	YES	YES	YES	YES
PZ-5	YES	YES	YES	YES	YES	YES
PZ-6	YES	YES	YES	YES	YES	YES
PZ-7	YES	YES	YES	YES	YES	YES
PZ-8	YES	YES	YES	YES	YES	YES
MW-108	YES	YES	YES	YES	YES	YES
PT-02	YES	YES	YES	YES	YES	YES
PT-03	YES	YES	YES	YES	YES	YES
PT-04	YES	YES	YES	YES	YES	YES
PT-05	YES	YES	YES	YES	YES	YES
PT-06	YES	YES	YES	YES	YES	YES
PT-06	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 2/3/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 71/43 0%

Well ID:	Corrective actions as needed, by date:
BGWC-39	
BGWC-40	
BGWC-41D	
BGWC-42D	
BGWC-43D	
BGWC-44D	
BGWA-47D	
BGWA-48D	
BGWC-49D	
BGWC-50D	
BGWC-51	
BGWC-52	
BGWC-53D	Concrete pad becomes submerged by stormwater during heavy rainfall
PZ-1	
PZ-2	
PZ-3	
PZ-4	
PZ-5	
PZ-6	
PZ-7	
PZ-8	
MW-108	
PT-02	
PT-03	
PT-04	
PT05	
PT-06	
PT-06	

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
BGWC-39	YES	YES	NO	YES
BGWC-40	YES	YES	NO	YES
BGWC-41D	YES	YES	NO	YES
BGWC-42D	YES	YES	NO	YES
BGWC-43D	YES	YES	NO	YES
BGWC-44D	YES	YES	NO	YES
BGWA-47D	YES	YES	NO	YES
BGWA-48D	YES	YES	NO	YES
BGWC-49D	YES	YES	NO	YES
BGWC-50D	YES	YES	NO	YES
BGWC-51	YES	YES	NO	YES
BGWC-52	YES	YES	NO	YES
PZ-1	YES	YES	NO	YES
PZ-2	YES	YES	NO	YES
PZ-3	YES	YES	NO	YES
PZ-4	YES	YES	NO	YES
PZ-5	YES	YES	NO	YES
PZ-6	YES	YES	NO	YES
PZ-7	YES	YES	NO	YES
PZ-8	YES	YES	NO	YES
MW-108	YES	YES	NO	YES
PT-02	YES	YES	NO	YES
PT-03	YES	YES	NO	YES
PT-04	YES	YES	NO	YES
PT-05	YES	YES	NO	YES
PT-06	YES	YES	NO	YES
INW-01	YES	YES	NO	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
BGWC-39	YES	YES	YES	YES	YES
BGWC-40	YES	YES	YES	YES	YES
BGWC-41D	YES	YES	YES	YES	YES
BGWC-42D	YES	YES	YES	YES	YES
BGWC-43D	YES	YES	YES	YES	YES
BGWC-44D	YES	YES	YES	YES	YES
BGWA-47D	YES	YES	YES	YES	YES
BGWA-48D	YES	YES	YES	YES	YES
BGWC-49D	YES	YES	YES	YES	YES
BGWC-50D	YES	YES	YES	YES	YES
BGWC-51	YES	YES	YES	YES	YES
BGWC-52	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES
PZ-3	YES	YES	YES	YES	YES
PZ-4	YES	YES	YES	YES	YES
PZ-5	YES	YES	YES	YES	YES
PZ-6	YES	YES	YES	YES	YES
PZ-7	YES	YES	YES	YES	YES
PZ-8	YES	YES	YES	YES	YES
MW-108	YES	YES	YES	YES	YES
PT-02	YES	YES	YES	YES	YES
PT-03	YES	YES	YES	YES	YES
PT-04	YES	YES	YES	YES	YES
PT-05	YES	YES	YES	YES	YES
PT-06	YES	YES	YES	YES	YES
INW-01	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
BGWC-39	YES	YES	YES	YES	YES	YES
BGWC-40	YES	YES	YES	YES	YES	YES
BGWC-41D	YES	YES	YES	YES	YES	YES
BGWC-42D	YES	YES	YES	YES	YES	YES
BGWC-43D	YES	YES	YES	YES	YES	YES
BGWC-44D	YES	YES	YES	YES	YES	YES
BGWA-47D	YES	YES	YES	YES	YES	YES
BGWA-48D	YES	YES	YES	YES	YES	YES
BGWC-49D	YES	YES	YES	YES	YES	YES
BGWC-50D	YES	YES	YES	YES	YES	YES
BGWC-51	YES	YES	YES	YES	YES	YES
BGWC-52	YES	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES	YES
PZ-3	YES	YES	YES	YES	YES	YES
PZ-4	YES	YES	YES	YES	YES	YES
PZ-5	YES	YES	YES	YES	YES	YES
PZ-6	YES	YES	YES	YES	YES	YES
PZ-7	YES	YES	YES	YES	YES	YES
PZ-8	YES	YES	YES	YES	YES	YES
MW-108	YES	YES	YES	YES	YES	YES
PT-02	YES	YES	YES	YES	YES	YES
PT-03	YES	YES	YES	YES	YES	YES
PT-04	YES	YES	YES	YES	YES	YES
PT-05	YES	YES	YES	YES	YES	YES
PT-06	YES	YES	YES	YES	YES	YES
INW-01	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

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

Well Inspection

Site Name: Plant Bowen AP

Date: 07/28/2025

Permit Number: 008-021D (CCR)

Field Conditions: Temps 95/75 0%

Well ID:	Corrective actions as needed, by date:
BGWC-39	
BGWC-40	
BGWC-41D	
BGWC-42D	
BGWC-43D	
BGWC-44D	
BGWA-47D	
BGWA-48D	
BGWC-49D	
BGWC-50D	
BGWC-51	
BGWC-52	
PZ-1	
PZ-2	
PZ-3	
PZ-4	
PZ-5	
PZ-6	
PZ-7	
PZ-8	
MW-108	
PT-02	
PT-03	
PT-04	
PT-05	
PT-06	
INW-01	

APPENDIX B

Analytical Laboratory Results and Field Sampling Forms

Laboratory Analytical Reports

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 21, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Bowen AP-1
Pace Project No.: 92778538

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between February 07, 2025 and February 21, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92778538001	**BOW-BGWA-29**	Water	02/06/25 11:16	02/07/25 13:35
92778538002	**BOW-BGWC-7**	Water	02/06/25 10:06	02/07/25 13:35
92778538003	**BOW-BGWC-10**	Water	02/06/25 11:45	02/07/25 13:35
92778538004	**BOW-BGWC-16**	Water	02/06/25 14:12	02/07/25 13:35
92778538005	**BOW-BGWC-20**	Water	02/06/25 10:53	02/07/25 13:35
92778538006	**BOW-BGWC-31**	Water	02/06/25 14:41	02/07/25 13:35
92778538007	**BOW-BGWC-34D**	Water	02/06/25 13:00	02/07/25 13:35
92778538008	**BOW-AP1-FB-02**	Water	02/06/25 15:51	02/07/25 13:35
92778538009	**BOW-AP1-EB-02**	Water	02/06/25 16:00	02/07/25 13:35
92778538010	**BOW-BGWA-47D**	Water	02/04/25 13:54	02/07/25 13:35
92778538011	**BOW-BGWA-48D**	Water	02/04/25 14:10	02/07/25 13:35
92778538012	**BOW-BGWA-6**	Water	02/04/25 14:29	02/07/25 13:35
92778538013	**BOW-AP1-FD-01**	Water	02/04/25 00:00	02/07/25 13:35
92778538014	**BOW-AP1-FB-01**	Water	02/04/25 16:03	02/07/25 13:35
92778538015	**BOW-AP1-EB-01**	Water	02/04/25 16:12	02/07/25 13:35
92778538016	**BOW-BGWC-8**	Water	02/05/25 10:24	02/07/25 13:35
92778538017	**BOW-BGWC-9**	Water	02/05/25 12:40	02/07/25 13:35
92778538018	**BOW-BGWC-12**	Water	02/05/25 14:30	02/07/25 13:35
92778538019	**BOW-BGWC-14A**	Water	02/05/25 16:10	02/07/25 13:35
92778538020	**BOW-BGWC-36D**	Water	02/05/25 16:10	02/07/25 13:35
92778538021	**BOW-BGWC-44D**	Water	02/05/25 13:43	02/07/25 13:35
92778538022	**BOW-BGWC-50D**	Water	02/05/25 11:12	02/07/25 13:35
92778538023	**BOW-BGWC-51**	Water	02/06/25 14:04	02/07/25 13:35
92778538024	**BOW-AP1-FD-02**	Water	02/06/25 00:00	02/07/25 13:35
92778538025	**BOW-BGWA-2**	Water	02/10/25 12:17	02/11/25 14:55
92778538026	**BOW-BGWC-21**	Water	02/10/25 15:44	02/11/25 14:55
92778538027	**BOW-BGWC-25**	Water	02/10/25 16:08	02/11/25 14:55
92778538028	**BOW-BGWC-30**	Water	02/10/25 10:57	02/11/25 14:55
92778538029	**BOW-BGWC-40**	Water	02/10/25 13:35	02/11/25 14:55
92778538030	**BOW-BGWC-49D**	Water	02/10/25 14:52	02/11/25 14:55
92778538031	**BOW-AP1-FD-03**	Water	02/10/25 00:00	02/11/25 14:55
92778538032	**BOW-AP1-FB-03**	Water	02/10/25 17:35	02/11/25 14:55
92778538033	**BOW-AP1-EB-03**	Water	02/10/25 17:15	02/11/25 14:55
92778538034	**BOW-BGWC-17**	Water	02/07/25 10:50	02/11/25 14:55
92778538035	**BOW-BGWC-18**	Water	02/07/25 12:45	02/11/25 14:55
92778538036	**BOW-BGWC-19**	Water	02/07/25 11:51	02/11/25 14:55
92778538037	**BOW-BGWC-52**	Water	02/07/25 11:40	02/11/25 14:55

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92778538038	**BOW-PZ-7**	Water	02/07/25 10:16	02/11/25 14:55
92778538039	**BOW-BGWC-32**	Water	02/12/25 11:10	02/14/25 09:35
92778538040	**BOW-BGWC-41D**	Water	02/12/25 13:15	02/14/25 09:35
92778538041	**BOW-BGWC-53D**	Water	02/12/25 13:32	02/14/25 09:35
92778538042	**BOW-AP1-FD-05**	Water	02/12/25 00:00	02/14/25 09:35
92778538043	**BOW-BGWC-22**	Water	02/13/25 11:39	02/14/25 09:35
92778538044	**BOW-AP1-FB-05**	Water	02/13/25 14:11	02/14/25 09:35
92778538045	**BOW-AP1-EB-05**	Water	02/13/25 14:21	02/14/25 09:35
92778538046	**BOW-BGWC-23**	Water	02/11/25 14:35	02/14/25 09:35
92778538047	**BOW-BGWC-24**	Water	02/11/25 11:30	02/14/25 09:35
92778538048	**BOW-BGWC-35D**	Water	02/11/25 12:34	02/14/25 09:35
92778538049	**BOW-BGWC-37D**	Water	02/11/25 14:58	02/14/25 09:35
92778538050	**BOW-BGWC-38D**	Water	02/11/25 10:46	02/14/25 09:35
92778538051	**BOW-BGWC-42D**	Water	02/11/25 16:25	02/14/25 09:35
92778538052	**BOW-BGWC-43D**	Water	02/11/25 12:34	02/14/25 09:35
92778538053	**BOW-AP1-FD-04**	Water	02/11/25 00:00	02/14/25 09:35
92778538054	**BOW-AP1-FB-04**	Water	02/11/25 16:24	02/14/25 09:35
92778538055	**BOW-AP1-EB-04**	Water	02/11/25 16:41	02/14/25 09:35
92778538056	**BOW-BGWC-39**	Water	02/18/25 13:13	02/21/25 11:16

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92778538001	**BOW-BGWA-29**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538002	**BOW-BGWC-7**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538003	**BOW-BGWC-10**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538004	**BOW-BGWC-16**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538005	**BOW-BGWC-20**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538006	**BOW-BGWC-31**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538007	**BOW-BGWC-34D**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538008	**BOW-AP1-FB-02**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538009	**BOW-AP1-EB-02**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538010	**BOW-BGWA-47D**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538011	**BOW-BGWA-48D**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538012	**BOW-BGWA-6**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538013	**BOW-AP1-FD-01**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538014	**BOW-AP1-FB-01**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538015	**BOW-AP1-EB-01**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538016	**BOW-BGWC-8**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A

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Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	BK1	18	PASI-WC
92778538017	**BOW-BGWC-9**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538018	**BOW-BGWC-12**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538019	**BOW-BGWC-14A**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538020	**BOW-BGWC-36D**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92778538021	**BOW-BGWC-44D**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538022	**BOW-BGWC-50D**	EPA 6020B	LD	1	PAN

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538023	**BOW-BGWC-51**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538024	**BOW-AP1-FD-02**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538025	**BOW-BGWA-2**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538026	**BOW-BGWC-21**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538027	**BOW-BGWC-25**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538028	**BOW-BGWC-30**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538029	**BOW-BGWC-40**	EPA 6020B	LD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538030	**BOW-BGWC-49D**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538031	**BOW-AP1-FD-03**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538032	**BOW-AP1-FB-03**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538033	**BOW-AP1-EB-03**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538034	**BOW-BGWC-17**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538035	**BOW-BGWC-18**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538036	**BOW-BGWC-19**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538037	**BOW-BGWC-52**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92778538038	**BOW-PZ-7**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538039	**BOW-BGWC-32**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538040	**BOW-BGWC-41D**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538041	**BOW-BGWC-53D**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538042	**BOW-AP1-FD-05**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538043	**BOW-BGWC-22**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538044	**BOW-AP1-FB-05**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538045	**BOW-AP1-EB-05**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538046	**BOW-BGWC-23**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538047	**BOW-BGWC-24**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538048	**BOW-BGWC-35D**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A

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Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538049	**BOW-BGWC-37D**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538050	**BOW-BGWC-38D**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538051	**BOW-BGWC-42D**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538052	**BOW-BGWC-43D**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
92778538053	**BOW-AP1-FD-04**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	BW	18	PASI-WC
92778538054	**BOW-AP1-FB-04**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538055	**BOW-AP1-EB-04**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
92778538056	**BOW-BGWC-39**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538001	**BOW-BGWA-29**					
EPA 6020B	Lithium	0.00139J	mg/L	0.0300	03/20/25 02:11	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	02/13/25 22:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	02/13/25 22:38	
SM 2540C-2015	Total Dissolved Solids	119	mg/L	25.0	02/13/25 09:52	
EPA 300.0 Rev 2.1 1993	Chloride	0.96J	mg/L	1.0	02/08/25 19:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	02/08/25 19:58	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	02/08/25 19:58	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/13/25 03:09	
EPA 6020B	Calcium	23.0	mg/L	1.0	03/13/25 03:09	M1
EPA 6020B	Magnesium	12.1	mg/L	0.050	03/13/25 03:09	
EPA 6020B	Potassium	0.71	mg/L	0.50	03/13/25 03:09	
EPA 6020B	Sodium	4.5	mg/L	1.0	03/13/25 03:09	
92778538002	**BOW-BGWC-7**					
EPA 6020B	Lithium	0.00630J	mg/L	0.0300	03/20/25 02:14	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	293	mg/L	5.0	02/13/25 22:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	293	mg/L	5.0	02/13/25 22:46	
SM 2540C-2015	Total Dissolved Solids	562	mg/L	50.0	02/13/25 09:52	
EPA 300.0 Rev 2.1 1993	Chloride	6.1	mg/L	1.0	02/08/25 20:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	02/08/25 20:13	
EPA 300.0 Rev 2.1 1993	Sulfate	147	mg/L	4.0	02/09/25 05:44	
EPA 6020B	Barium	0.025	mg/L	0.0050	03/13/25 03:55	
EPA 6020B	Boron	0.83	mg/L	0.40	03/13/25 12:07	
EPA 6020B	Calcium	125	mg/L	10.0	03/13/25 12:07	M1
EPA 6020B	Iron	0.51	mg/L	0.040	03/13/25 03:55	
EPA 6020B	Magnesium	40.9	mg/L	0.50	03/13/25 12:07	M1
EPA 6020B	Manganese	0.034J	mg/L	0.040	03/13/25 03:55	
EPA 6020B	Molybdenum	0.011	mg/L	0.010	03/13/25 03:55	
EPA 6020B	Potassium	3.3	mg/L	0.50	03/13/25 03:55	
EPA 6020B	Sodium	15.9	mg/L	1.0	03/13/25 03:55	
EPA 6020B	Thallium	0.00016J	mg/L	0.0010	03/13/25 03:55	5g
92778538003	**BOW-BGWC-10**					
EPA 6020B	Lithium	0.00129J	mg/L	0.0300	03/20/25 02:17	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	02/13/25 22:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	193	mg/L	5.0	02/13/25 22:54	
SM 2540C-2015	Total Dissolved Solids	402	mg/L	25.0	02/13/25 09:53	
EPA 300.0 Rev 2.1 1993	Chloride	28.6	mg/L	1.0	02/08/25 20:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	02/08/25 20:29	
EPA 300.0 Rev 2.1 1993	Sulfate	89.8	mg/L	2.0	02/09/25 05:59	
EPA 6020B	Arsenic	0.0040J	mg/L	0.0050	03/13/25 04:58	
EPA 6020B	Barium	0.043	mg/L	0.0050	03/13/25 04:58	
EPA 6020B	Boron	0.51	mg/L	0.40	03/13/25 13:11	
EPA 6020B	Calcium	71.4	mg/L	10.0	03/13/25 13:11	
EPA 6020B	Iron	0.16	mg/L	0.040	03/13/25 04:58	
EPA 6020B	Magnesium	32.0	mg/L	0.50	03/13/25 13:11	
EPA 6020B	Manganese	0.027J	mg/L	0.040	03/13/25 04:58	B
EPA 6020B	Molybdenum	0.0027J	mg/L	0.010	03/13/25 04:58	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538003	**BOW-BGWC-10**					
EPA 6020B	Potassium	2.3	mg/L	0.50	03/13/25 04:58	
EPA 6020B	Sodium	17.0	mg/L	1.0	03/13/25 04:58	
92778538004	**BOW-BGWC-16**					
EPA 6020B	Lithium	0.00112J	mg/L	0.0300	03/20/25 02:26	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	101	mg/L	5.0	02/13/25 23:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	101	mg/L	5.0	02/13/25 23:02	
SM 2540C-2015	Total Dissolved Solids	1050	mg/L	50.0	02/13/25 09:53	
EPA 300.0 Rev 2.1 1993	Chloride	13.1	mg/L	1.0	02/08/25 20:45	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	02/08/25 20:45	
EPA 300.0 Rev 2.1 1993	Sulfate	455	mg/L	12.0	02/09/25 06:15	
EPA 6020B	Barium	0.029	mg/L	0.0050	03/13/25 05:07	
EPA 6020B	Beryllium	0.00034J	mg/L	0.00050	03/13/25 05:07	
EPA 6020B	Boron	2.7	mg/L	0.40	03/13/25 13:20	
EPA 6020B	Cadmium	0.0035	mg/L	0.00050	03/13/25 05:07	
EPA 6020B	Calcium	221	mg/L	10.0	03/13/25 13:20	
EPA 6020B	Cobalt	0.015	mg/L	0.0050	03/13/25 05:07	
EPA 6020B	Iron	0.034J	mg/L	0.040	03/13/25 05:07	
EPA 6020B	Lead	0.00027J	mg/L	0.0010	03/13/25 05:07	
EPA 6020B	Magnesium	31.2	mg/L	0.50	03/13/25 13:20	
EPA 6020B	Manganese	6.2	mg/L	4.0	03/18/25 14:33	
EPA 6020B	Potassium	7.4	mg/L	0.50	03/13/25 05:07	
EPA 6020B	Selenium	0.0036J	mg/L	0.0050	03/18/25 14:15	
EPA 6020B	Sodium	47.8	mg/L	10.0	03/13/25 13:20	
EPA 6020B	Thallium	0.00027J	mg/L	0.0010	03/13/25 05:07	5g
92778538005	**BOW-BGWC-20**					
EPA 6020B	Lithium	0.0861	mg/L	0.0300	03/20/25 02:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	94.0	mg/L	5.0	02/13/25 23:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	94.0	mg/L	5.0	02/13/25 23:10	
SM 2540C-2015	Total Dissolved Solids	1430	mg/L	50.0	02/13/25 09:53	
EPA 300.0 Rev 2.1 1993	Chloride	118	mg/L	14.0	02/09/25 06:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/08/25 21:01	
EPA 300.0 Rev 2.1 1993	Sulfate	573	mg/L	14.0	02/09/25 06:30	
EPA 6020B	Barium	0.037	mg/L	0.0050	03/13/25 05:16	
EPA 6020B	Boron	5.4	mg/L	4.0	03/18/25 14:43	
EPA 6020B	Calcium	327	mg/L	100	03/18/25 14:43	
EPA 6020B	Iron	0.11	mg/L	0.040	03/13/25 05:16	
EPA 6020B	Magnesium	50.9	mg/L	0.50	03/13/25 13:29	
EPA 6020B	Manganese	0.99	mg/L	0.40	03/13/25 13:29	
EPA 6020B	Molybdenum	0.068	mg/L	0.010	03/13/25 05:16	
EPA 6020B	Potassium	11.3	mg/L	0.50	03/13/25 05:16	
EPA 6020B	Selenium	0.0020J	mg/L	0.0050	03/18/25 14:24	
EPA 6020B	Sodium	34.3	mg/L	10.0	03/13/25 13:29	
EPA 6020B	Thallium	0.00023J	mg/L	0.0010	03/13/25 05:16	5g
92778538006	**BOW-BGWC-31**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	31.2	mg/L	5.0	02/13/25 23:17	
SM 2320B-2011	Alkalinity, Total as CaCO3	31.2	mg/L	5.0	02/13/25 23:17	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538006	**BOW-BGWC-31**					
SM 2540C-2015	Total Dissolved Solids	448	mg/L	25.0	02/13/25 09:53	
SM 4500-S2D-2011	Sulfide	0.025J	mg/L	0.10	02/11/25 05:20	
EPA 300.0 Rev 2.1 1993	Chloride	28.7	mg/L	1.0	02/08/25 23:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	02/08/25 23:23	
EPA 300.0 Rev 2.1 1993	Sulfate	110	mg/L	3.0	02/09/25 06:46	M1
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	03/13/25 05:25	
EPA 6020B	Barium	0.044	mg/L	0.0050	03/13/25 05:25	
EPA 6020B	Boron	0.74	mg/L	0.40	03/13/25 14:11	
EPA 6020B	Calcium	86.9	mg/L	10.0	03/13/25 14:11	
EPA 6020B	Iron	1.3	mg/L	0.040	03/13/25 05:25	
EPA 6020B	Magnesium	41.8	mg/L	0.50	03/13/25 14:11	
EPA 6020B	Manganese	0.17	mg/L	0.040	03/13/25 05:25	
EPA 6020B	Potassium	1.6	mg/L	0.50	03/13/25 05:25	
EPA 6020B	Sodium	8.2	mg/L	1.0	03/13/25 05:25	
92778538007	**BOW-BGWC-34D**					
EPA 6020B	Lithium	0.000849J	mg/L	0.0300	03/20/25 02:36	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	232	mg/L	5.0	02/13/25 23:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	232	mg/L	5.0	02/13/25 23:24	
SM 2540C-2015	Total Dissolved Solids	591	mg/L	25.0	02/13/25 09:53	
EPA 300.0 Rev 2.1 1993	Chloride	48.5	mg/L	1.0	02/09/25 00:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	02/09/25 00:11	
EPA 300.0 Rev 2.1 1993	Sulfate	146	mg/L	4.0	02/09/25 07:33	
EPA 6020B	Arsenic	0.015	mg/L	0.0050	03/13/25 05:34	
EPA 6020B	Barium	0.060	mg/L	0.0050	03/13/25 05:34	
EPA 6020B	Boron	0.46	mg/L	0.40	03/13/25 14:20	
EPA 6020B	Calcium	138	mg/L	10.0	03/13/25 14:20	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	03/13/25 05:34	
EPA 6020B	Iron	1.2	mg/L	0.040	03/13/25 05:34	
EPA 6020B	Magnesium	36.9	mg/L	0.50	03/13/25 14:20	
EPA 6020B	Manganese	0.017J	mg/L	0.040	03/13/25 05:34	B
EPA 6020B	Potassium	2.1	mg/L	0.50	03/13/25 05:34	
EPA 6020B	Sodium	6.7	mg/L	1.0	03/13/25 05:34	
92778538010	**BOW-BGWA-47D**					
EPA 6020B	Lithium	0.000632J	mg/L	0.0300	03/18/25 20:13	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	285	mg/L	5.0	02/12/25 02:05	
SM 2320B-2011	Alkalinity, Total as CaCO3	285	mg/L	5.0	02/12/25 02:05	
SM 2540C-2015	Total Dissolved Solids	406	mg/L	25.0	02/08/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	02/09/25 00:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	02/09/25 00:27	
EPA 300.0 Rev 2.1 1993	Sulfate	65.4	mg/L	1.0	02/09/25 00:27	
EPA 6020B	Barium	0.057	mg/L	0.0050	03/13/25 06:01	
EPA 6020B	Boron	0.022J	mg/L	0.040	03/13/25 06:01	
EPA 6020B	Calcium	108	mg/L	10.0	03/13/25 14:47	
EPA 6020B	Iron	0.023J	mg/L	0.040	03/13/25 06:01	
EPA 6020B	Magnesium	19.9	mg/L	0.050	03/13/25 06:01	
EPA 6020B	Manganese	0.0034J	mg/L	0.040	03/13/25 06:01	B

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538010	**BOW-BGWA-47D**					
EPA 6020B	Potassium	1.7	mg/L	0.50	03/13/25 06:01	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	03/13/25 06:01	
EPA 6020B	Sodium	4.1	mg/L	1.0	03/13/25 06:01	
92778538011	**BOW-BGWA-48D**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	231	mg/L	5.0	02/12/25 02:28	
SM 2320B-2011	Alkalinity, Total as CaCO3	231	mg/L	5.0	02/12/25 02:28	
SM 2540C-2015	Total Dissolved Solids	324	mg/L	25.0	02/08/25 13:03	
SM 4500-S2D-2011	Sulfide	0.26	mg/L	0.10	02/11/25 05:11	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/09/25 00:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	02/09/25 00:43	
EPA 300.0 Rev 2.1 1993	Sulfate	44.0	mg/L	1.0	02/09/25 00:43	
EPA 6020B	Arsenic	0.0031J	mg/L	0.0050	03/13/25 06:47	
EPA 6020B	Barium	0.045	mg/L	0.0050	03/13/25 06:47	
EPA 6020B	Boron	0.022J	mg/L	0.040	03/13/25 06:47	
EPA 6020B	Calcium	42.6	mg/L	10.0	03/13/25 14:56	
EPA 6020B	Iron	0.37	mg/L	0.040	03/13/25 06:47	
EPA 6020B	Magnesium	14.2	mg/L	0.050	03/13/25 06:47	
EPA 6020B	Manganese	0.025J	mg/L	0.040	03/13/25 06:47	B
EPA 6020B	Molybdenum	0.0090J	mg/L	0.010	03/13/25 06:47	
EPA 6020B	Potassium	1.4	mg/L	0.50	03/13/25 06:47	
EPA 6020B	Sodium	53.5	mg/L	10.0	03/13/25 14:56	
92778538012	**BOW-BGWA-6**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	305	mg/L	5.0	02/12/25 11:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	305	mg/L	5.0	02/12/25 11:27	
SM 2540C-2015	Total Dissolved Solids	323	mg/L	25.0	02/08/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	7.0	mg/L	1.0	02/09/25 00:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	02/09/25 00:58	
EPA 300.0 Rev 2.1 1993	Sulfate	14.4	mg/L	1.0	02/09/25 00:58	
EPA 6020B	Barium	0.043	mg/L	0.0050	03/13/25 06:56	
EPA 6020B	Boron	0.0090J	mg/L	0.040	03/13/25 06:56	
EPA 6020B	Calcium	72.4	mg/L	10.0	03/13/25 15:05	
EPA 6020B	Iron	0.030J	mg/L	0.040	03/13/25 06:56	
EPA 6020B	Magnesium	36.1	mg/L	0.50	03/13/25 15:05	
EPA 6020B	Manganese	0.035J	mg/L	0.040	03/13/25 06:56	
EPA 6020B	Potassium	1.3	mg/L	0.50	03/13/25 06:56	
EPA 6020B	Sodium	4.2	mg/L	1.0	03/13/25 06:56	
92778538013	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.000624J	mg/L	0.0300	03/18/25 20:22	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	289	mg/L	5.0	02/12/25 13:33	
SM 2320B-2011	Alkalinity, Total as CaCO3	289	mg/L	5.0	02/12/25 13:33	
SM 2540C-2015	Total Dissolved Solids	400	mg/L	25.0	02/08/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	02/09/25 01:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	02/09/25 01:14	
EPA 300.0 Rev 2.1 1993	Sulfate	65.5	mg/L	1.0	02/09/25 01:14	
EPA 6020B	Barium	0.058	mg/L	0.0050	03/13/25 07:05	
EPA 6020B	Boron	0.022J	mg/L	0.040	03/13/25 07:05	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538013	**BOW-AP1-FD-01**					
EPA 6020B	Calcium	114	mg/L	10.0	03/13/25 15:32	
EPA 6020B	Iron	0.026J	mg/L	0.040	03/13/25 07:05	
EPA 6020B	Magnesium	20.0	mg/L	0.050	03/13/25 07:05	
EPA 6020B	Manganese	0.0032J	mg/L	0.040	03/13/25 07:05	B
EPA 6020B	Potassium	1.7	mg/L	0.50	03/13/25 07:05	
EPA 6020B	Selenium	0.0022J	mg/L	0.0050	03/13/25 07:05	
EPA 6020B	Sodium	4.2	mg/L	1.0	03/13/25 07:05	
92778538016	**BOW-BGWC-8**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	158	mg/L	5.0	02/13/25 17:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	158	mg/L	5.0	02/13/25 17:09	
SM 2540C-2015	Total Dissolved Solids	173	mg/L	25.0	02/11/25 12:08	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/09/25 02:02	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	02/09/25 02:02	
EPA 300.0 Rev 2.1 1993	Sulfate	11.6	mg/L	1.0	02/09/25 02:02	
EPA 6020B	Barium	0.027	mg/L	0.0050	03/13/25 07:32	
EPA 6020B	Boron	0.029J	mg/L	0.040	03/13/25 07:32	
EPA 6020B	Calcium	44.5	mg/L	10.0	03/13/25 15:59	
EPA 6020B	Iron	0.037J	mg/L	0.040	03/13/25 07:32	
EPA 6020B	Magnesium	15.6	mg/L	0.050	03/13/25 07:32	
EPA 6020B	Manganese	0.0013J	mg/L	0.040	03/13/25 07:32	B
EPA 6020B	Potassium	2.9	mg/L	0.50	03/13/25 07:32	
EPA 6020B	Sodium	4.8	mg/L	1.0	03/13/25 07:32	
92778538017	**BOW-BGWC-9**					
EPA 6020B	Lithium	0.00148J	mg/L	0.0300	03/18/25 20:42	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	217	mg/L	5.0	02/13/25 17:17	
SM 2320B-2011	Alkalinity, Total as CaCO3	217	mg/L	5.0	02/13/25 17:17	
SM 2540C-2015	Total Dissolved Solids	344	mg/L	25.0	02/11/25 12:08	
EPA 300.0 Rev 2.1 1993	Chloride	9.6	mg/L	1.0	02/09/25 02:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	02/09/25 02:49	
EPA 300.0 Rev 2.1 1993	Sulfate	80.0	mg/L	1.0	02/09/25 02:49	
EPA 6020B	Barium	0.028	mg/L	0.0050	03/13/25 07:41	
EPA 6020B	Boron	0.52	mg/L	0.40	03/13/25 16:09	
EPA 6020B	Calcium	72.8	mg/L	10.0	03/13/25 16:09	
EPA 6020B	Iron	0.12	mg/L	0.040	03/13/25 07:41	
EPA 6020B	Magnesium	28.3	mg/L	0.050	03/13/25 07:41	
EPA 6020B	Manganese	0.017J	mg/L	0.040	03/13/25 07:41	B
EPA 6020B	Potassium	2.9	mg/L	0.50	03/13/25 07:41	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	03/13/25 07:41	
EPA 6020B	Sodium	13.8	mg/L	1.0	03/13/25 07:41	
92778538018	**BOW-BGWC-12**					
EPA 6020B	Lithium	0.00153J	mg/L	0.0300	03/18/25 20:45	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	308	mg/L	5.0	02/13/25 17:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	308	mg/L	5.0	02/13/25 17:48	M1
SM 2540C-2015	Total Dissolved Solids	1130	mg/L	50.0	02/11/25 12:08	
EPA 300.0 Rev 2.1 1993	Chloride	13.2	mg/L	1.0	02/09/25 03:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	02/09/25 03:05	

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(704)875-9092

SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538018	**BOW-BGWC-12**					
EPA 300.0 Rev 2.1 1993	Sulfate	456	mg/L	11.0	02/09/25 08:20	
EPA 6020B	Barium	0.060	mg/L	0.0050	03/13/25 07:50	
EPA 6020B	Boron	1.9	mg/L	0.40	03/13/25 16:18	
EPA 6020B	Calcium	224	mg/L	10.0	03/13/25 16:18	
EPA 6020B	Iron	0.030J	mg/L	0.040	03/13/25 07:50	
EPA 6020B	Magnesium	74.7	mg/L	0.50	03/13/25 16:18	
EPA 6020B	Manganese	0.0021J	mg/L	0.040	03/13/25 07:50	B
EPA 6020B	Potassium	4.2	mg/L	0.50	03/13/25 07:50	
EPA 6020B	Sodium	44.0	mg/L	10.0	03/13/25 16:18	
92778538019	**BOW-BGWC-14A**					
EPA 6020B	Lithium	0.00137J	mg/L	0.0300	03/18/25 20:49	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	203	mg/L	5.0	02/13/25 18:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	203	mg/L	5.0	02/13/25 18:13	
SM 2540C-2015	Total Dissolved Solids	984	mg/L	50.0	02/11/25 12:08	
EPA 300.0 Rev 2.1 1993	Chloride	20.6	mg/L	1.0	02/09/25 03:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.085J	mg/L	0.10	02/09/25 03:21	
EPA 300.0 Rev 2.1 1993	Sulfate	440	mg/L	11.0	02/09/25 08:35	
EPA 6020B	Barium	0.040	mg/L	0.0050	03/13/25 07:59	
EPA 6020B	Boron	1.7	mg/L	0.40	03/13/25 16:27	
EPA 6020B	Cadmium	0.00073	mg/L	0.00050	03/13/25 07:59	
EPA 6020B	Calcium	215	mg/L	10.0	03/13/25 16:27	
EPA 6020B	Iron	0.022J	mg/L	0.040	03/13/25 07:59	
EPA 6020B	Magnesium	58.3	mg/L	0.50	03/13/25 16:27	
EPA 6020B	Manganese	1.3	mg/L	0.40	03/13/25 16:27	
EPA 6020B	Potassium	6.9	mg/L	0.50	03/13/25 07:59	
EPA 6020B	Sodium	30.2	mg/L	10.0	03/13/25 16:27	
EPA 6020B	Thallium	0.00066J	mg/L	0.0010	03/13/25 07:59	5g
92778538020	**BOW-BGWC-36D**					
EPA 6020B	Lithium	0.00128J	mg/L	0.0300	03/18/25 20:52	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	02/13/25 18:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	138	mg/L	5.0	02/13/25 18:36	
SM 2540C-2015	Total Dissolved Solids	686	mg/L	50.0	02/11/25 12:08	
EPA 300.0 Rev 2.1 1993	Chloride	196	mg/L	5.0	02/09/25 08:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	02/09/25 03:37	
EPA 300.0 Rev 2.1 1993	Sulfate	98.4	mg/L	5.0	02/09/25 08:51	
EPA 6020B	Barium	0.063	mg/L	0.0050	03/13/25 08:08	
EPA 6020B	Boron	4.0J	mg/L	4.0	03/18/25 15:19	ED
EPA 6020B	Calcium	161	mg/L	10.0	03/13/25 16:36	
EPA 6020B	Iron	0.017J	mg/L	0.040	03/13/25 08:08	
EPA 6020B	Magnesium	55.2	mg/L	0.50	03/13/25 16:36	
EPA 6020B	Manganese	0.0024J	mg/L	0.040	03/13/25 08:08	B
EPA 6020B	Molybdenum	0.011	mg/L	0.010	03/13/25 08:08	
EPA 6020B	Potassium	3.6	mg/L	0.50	03/13/25 08:08	
EPA 6020B	Selenium	0.016	mg/L	0.0050	03/13/25 08:08	
EPA 6020B	Sodium	11.2	mg/L	1.0	03/13/25 08:08	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	03/13/25 08:08	5g

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538021	**BOW-BGWC-44D**					
EPA 6020B	Lithium	0.00310J	mg/L	0.0300	03/18/25 20:55	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	287	mg/L	5.0	02/13/25 18:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	287	mg/L	5.0	02/13/25 18:52	
SM 2540C-2015	Total Dissolved Solids	324	mg/L	25.0	02/11/25 12:12	
SM 4500-S2D-2011	Sulfide	0.41	mg/L	0.10	02/11/25 05:16	
EPA 300.0 Rev 2.1 1993	Chloride	9.2	mg/L	1.0	02/09/25 03:53	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	02/09/25 03:53	
EPA 300.0 Rev 2.1 1993	Sulfate	32.7	mg/L	1.0	02/09/25 03:53	
EPA 6020B	Arsenic	0.0038J	mg/L	0.0050	03/13/25 16:29	
EPA 6020B	Barium	0.035	mg/L	0.0050	03/13/25 16:29	
EPA 6020B	Boron	0.023J	mg/L	0.040	03/17/25 11:37	
EPA 6020B	Calcium	44.6	mg/L	1.0	03/13/25 16:29	M1
EPA 6020B	Iron	0.76	mg/L	0.040	03/13/25 16:29	
EPA 6020B	Magnesium	26.9	mg/L	0.050	03/13/25 16:29	M1
EPA 6020B	Manganese	0.060	mg/L	0.040	03/13/25 16:29	
EPA 6020B	Potassium	1.1	mg/L	0.50	03/13/25 16:29	
EPA 6020B	Sodium	45.2	mg/L	1.0	03/13/25 16:29	
92778538022	**BOW-BGWC-50D**					
EPA 6020B	Lithium	0.00175J	mg/L	0.0300	03/18/25 20:58	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	281	mg/L	5.0	02/13/25 19:00	
SM 2320B-2011	Alkalinity, Total as CaCO3	281	mg/L	5.0	02/13/25 19:00	
SM 2540C-2015	Total Dissolved Solids	662	mg/L	50.0	02/11/25 12:12	
SM 4500-S2D-2011	Sulfide	0.14	mg/L	0.10	02/11/25 05:17	
EPA 300.0 Rev 2.1 1993	Chloride	20.0	mg/L	1.0	02/09/25 04:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/09/25 04:08	
EPA 300.0 Rev 2.1 1993	Sulfate	213	mg/L	5.0	02/09/25 09:06	
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	03/13/25 17:01	
EPA 6020B	Barium	0.047	mg/L	0.0050	03/13/25 17:01	
EPA 6020B	Boron	0.051	mg/L	0.040	03/17/25 12:22	
EPA 6020B	Calcium	75.0	mg/L	5.0	03/17/25 13:25	M1
EPA 6020B	Iron	2.3	mg/L	0.040	03/13/25 17:01	
EPA 6020B	Magnesium	29.5	mg/L	0.050	03/13/25 17:01	M1
EPA 6020B	Manganese	0.066	mg/L	0.040	03/13/25 17:01	
EPA 6020B	Molybdenum	0.0038J	mg/L	0.010	03/13/25 17:01	
EPA 6020B	Potassium	1.4	mg/L	0.50	03/13/25 17:01	
EPA 6020B	Sodium	149	mg/L	5.0	03/17/25 13:25	M1
92778538023	**BOW-BGWC-51**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	02/14/25 09:05	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	02/14/25 09:05	
SM 2540C-2015	Total Dissolved Solids	321	mg/L	25.0	02/13/25 09:54	
EPA 300.0 Rev 2.1 1993	Chloride	34.5	mg/L	1.0	02/09/25 04:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	02/09/25 04:24	
EPA 300.0 Rev 2.1 1993	Sulfate	58.8	mg/L	1.0	02/09/25 04:24	
EPA 6020B	Barium	0.0055	mg/L	0.0050	03/13/25 17:47	
EPA 6020B	Boron	1.1	mg/L	0.20	03/17/25 14:11	
EPA 6020B	Calcium	79.3	mg/L	5.0	03/17/25 14:11	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538023	**BOW-BGWC-51**					
EPA 6020B	Iron	0.82	mg/L	0.040	03/13/25 17:47	
EPA 6020B	Magnesium	17.3	mg/L	0.050	03/13/25 17:47	
EPA 6020B	Potassium	2.4	mg/L	0.50	03/13/25 17:47	
EPA 6020B	Selenium	0.0056	mg/L	0.0050	03/13/25 17:47	
EPA 6020B	Sodium	5.5	mg/L	1.0	03/13/25 17:47	
92778538024	**BOW-AP1-FD-02**					
EPA 6020B	Lithium	0.0786	mg/L	0.0300	03/18/25 21:12	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	96.0	mg/L	5.0	02/14/25 09:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	96.0	mg/L	5.0	02/14/25 09:30	
SM 2540C-2015	Total Dissolved Solids	1450	mg/L	50.0	02/13/25 09:54	
EPA 300.0 Rev 2.1 1993	Chloride	117	mg/L	14.0	02/09/25 09:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.079J	mg/L	0.10	02/09/25 05:12	
EPA 300.0 Rev 2.1 1993	Sulfate	568	mg/L	14.0	02/09/25 09:22	
EPA 6020B	Barium	0.033	mg/L	0.0050	03/13/25 17:53	
EPA 6020B	Boron	5.8	mg/L	0.80	03/17/25 14:20	
EPA 6020B	Calcium	323	mg/L	20.0	03/17/25 14:20	
EPA 6020B	Iron	3.4	mg/L	0.040	03/13/25 17:53	
EPA 6020B	Magnesium	46.1	mg/L	0.050	03/13/25 17:53	
EPA 6020B	Manganese	0.91	mg/L	0.80	03/17/25 14:20	
EPA 6020B	Molybdenum	0.059	mg/L	0.010	03/13/25 17:53	
EPA 6020B	Potassium	9.5	mg/L	0.50	03/13/25 17:53	
EPA 6020B	Sodium	32.7	mg/L	1.0	03/13/25 17:53	
EPA 6020B	Thallium	0.00018J	mg/L	0.0010	03/13/25 17:53	
92778538025	**BOW-BGWA-2**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	208	mg/L	5.0	02/19/25 21:59	
SM 2320B-2011	Alkalinity, Total as CaCO3	208	mg/L	5.0	02/19/25 21:59	
SM 2540C-2015	Total Dissolved Solids	234	mg/L	25.0	02/14/25 11:35	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/13/25 07:40	
EPA 300.0 Rev 2.1 1993	Fluoride	0.094J	mg/L	0.10	02/13/25 07:40	
EPA 300.0 Rev 2.1 1993	Sulfate	14.7	mg/L	1.0	02/13/25 07:40	
EPA 6020B	Barium	0.11	mg/L	0.0050	03/13/25 17:59	
EPA 6020B	Boron	0.018J	mg/L	0.040	03/17/25 14:29	
EPA 6020B	Calcium	50.1	mg/L	1.0	03/13/25 17:59	
EPA 6020B	Iron	0.61	mg/L	0.040	03/13/25 17:59	
EPA 6020B	Magnesium	21.0	mg/L	0.050	03/13/25 17:59	
EPA 6020B	Manganese	0.057	mg/L	0.040	03/13/25 17:59	
EPA 6020B	Potassium	1.6	mg/L	0.50	03/13/25 17:59	
EPA 6020B	Sodium	2.9	mg/L	1.0	03/13/25 17:59	
EPA 6020B	Thallium	0.00082J	mg/L	0.0010	03/13/25 17:59	
92778538026	**BOW-BGWC-21**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	179	mg/L	5.0	02/19/25 22:06	
SM 2320B-2011	Alkalinity, Total as CaCO3	179	mg/L	5.0	02/19/25 22:06	
SM 2540C-2015	Total Dissolved Solids	243	mg/L	25.0	02/14/25 11:37	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	02/13/25 07:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	02/13/25 07:56	
EPA 300.0 Rev 2.1 1993	Sulfate	51.6	mg/L	1.0	02/13/25 07:56	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538026	**BOW-BGWC-21**					
EPA 6020B	Barium	0.020	mg/L	0.0050	03/13/25 18:06	
EPA 6020B	Boron	0.025J	mg/L	0.040	03/17/25 14:56	
EPA 6020B	Calcium	45.6	mg/L	1.0	03/13/25 18:06	
EPA 6020B	Cobalt	0.0066	mg/L	0.0050	03/13/25 18:06	
EPA 6020B	Iron	0.49	mg/L	0.040	03/13/25 18:06	
EPA 6020B	Magnesium	25.0	mg/L	0.050	03/13/25 18:06	
EPA 6020B	Manganese	0.024J	mg/L	0.040	03/13/25 18:06	
EPA 6020B	Molybdenum	0.0049J	mg/L	0.010	03/13/25 18:06	
EPA 6020B	Potassium	1.4	mg/L	0.50	03/13/25 18:06	
EPA 6020B	Sodium	2.3	mg/L	1.0	03/13/25 18:06	
92778538027	**BOW-BGWC-25**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	205	mg/L	5.0	02/19/25 22:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	205	mg/L	5.0	02/19/25 22:14	
SM 2540C-2015	Total Dissolved Solids	286	mg/L	25.0	02/14/25 11:37	
SM 4500-S2D-2011	Sulfide	0.050J	mg/L	0.10	02/14/25 06:13	
EPA 300.0 Rev 2.1 1993	Chloride	24.2	mg/L	1.0	02/13/25 08:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	02/13/25 08:12	
EPA 300.0 Rev 2.1 1993	Sulfate	42.4	mg/L	1.0	02/13/25 08:12	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	03/13/25 18:12	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/13/25 18:12	
EPA 6020B	Boron	0.16	mg/L	0.040	03/18/25 11:41	
EPA 6020B	Calcium	66.0	mg/L	5.0	03/18/25 11:51	
EPA 6020B	Iron	1.1	mg/L	0.040	03/13/25 18:12	
EPA 6020B	Magnesium	28.0	mg/L	0.050	03/13/25 18:12	
EPA 6020B	Manganese	0.21	mg/L	0.040	03/13/25 18:12	
EPA 6020B	Potassium	0.76	mg/L	0.50	03/13/25 18:12	
EPA 6020B	Sodium	2.4	mg/L	1.0	03/13/25 18:12	
92778538028	**BOW-BGWC-30**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	165	mg/L	5.0	02/19/25 22:22	
SM 2320B-2011	Alkalinity, Total as CaCO3	165	mg/L	5.0	02/19/25 22:22	
SM 2540C-2015	Total Dissolved Solids	282	mg/L	25.0	02/14/25 11:37	
EPA 300.0 Rev 2.1 1993	Chloride	63.2	mg/L	1.0	02/13/25 08:28	
EPA 300.0 Rev 2.1 1993	Fluoride	0.091J	mg/L	0.10	02/13/25 08:28	
EPA 300.0 Rev 2.1 1993	Sulfate	29.4	mg/L	1.0	02/13/25 08:28	
EPA 6020B	Barium	0.042	mg/L	0.0050	03/13/25 18:19	
EPA 6020B	Boron	1.1	mg/L	0.20	03/18/25 12:00	
EPA 6020B	Calcium	69.4	mg/L	5.0	03/18/25 12:00	
EPA 6020B	Iron	0.72	mg/L	0.040	03/13/25 18:19	
EPA 6020B	Magnesium	23.6	mg/L	0.050	03/13/25 18:19	
EPA 6020B	Molybdenum	0.0028J	mg/L	0.010	03/13/25 18:19	
EPA 6020B	Potassium	2.3	mg/L	0.50	03/13/25 18:19	
EPA 6020B	Selenium	0.0024J	mg/L	0.0050	03/13/25 18:19	
EPA 6020B	Sodium	2.7	mg/L	1.0	03/13/25 18:19	
92778538029	**BOW-BGWC-40**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	233	mg/L	5.0	02/20/25 15:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	233	mg/L	5.0	02/20/25 15:34	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538029	**BOW-BGWC-40**					
SM 2540C-2015	Total Dissolved Solids	495	mg/L	25.0	02/14/25 11:37	
EPA 300.0 Rev 2.1 1993	Chloride	79.1	mg/L	1.0	02/13/25 08:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.085J	mg/L	0.10	02/13/25 08:44	
EPA 300.0 Rev 2.1 1993	Sulfate	46.2	mg/L	2.0	02/13/25 20:24	
EPA 6020B	Barium	0.035	mg/L	0.0050	03/13/25 18:25	
EPA 6020B	Boron	1.9	mg/L	0.40	03/18/25 12:09	
EPA 6020B	Calcium	114	mg/L	10.0	03/18/25 12:09	
EPA 6020B	Iron	1.3	mg/L	0.040	03/13/25 18:25	
EPA 6020B	Magnesium	36.9	mg/L	0.050	03/13/25 18:25	
EPA 6020B	Manganese	0.0016J	mg/L	0.040	03/13/25 18:25	
EPA 6020B	Potassium	1.6	mg/L	0.50	03/13/25 18:25	
EPA 6020B	Selenium	0.0067	mg/L	0.0050	03/13/25 18:25	
EPA 6020B	Sodium	6.3	mg/L	1.0	03/13/25 18:25	
92778538030	**BOW-BGWC-49D**					
EPA 6020B	Lithium	0.00469J	mg/L	0.0300	03/18/25 18:20	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	02/20/25 15:59	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	02/20/25 15:59	
SM 2540C-2015	Total Dissolved Solids	1140	mg/L	50.0	02/14/25 11:37	1g
SM 4500-S2D-2011	Sulfide	0.16	mg/L	0.10	02/14/25 06:14	
EPA 300.0 Rev 2.1 1993	Chloride	377	mg/L	9.0	02/13/25 20:40	
EPA 300.0 Rev 2.1 1993	Fluoride	0.087J	mg/L	0.10	02/13/25 08:59	
EPA 300.0 Rev 2.1 1993	Sulfate	183	mg/L	9.0	02/13/25 20:40	
EPA 6020B	Barium	0.062	mg/L	0.0050	03/13/25 18:45	
EPA 6020B	Boron	8.0	mg/L	2.0	03/20/25 09:37	
EPA 6020B	Calcium	226	mg/L	25.0	03/20/25 00:33	
EPA 6020B	Iron	2.6	mg/L	0.040	03/13/25 18:45	
EPA 6020B	Magnesium	99.2	mg/L	1.2	03/20/25 00:33	
EPA 6020B	Manganese	0.20	mg/L	0.040	03/13/25 18:45	
EPA 6020B	Molybdenum	0.0047J	mg/L	0.010	03/13/25 18:45	
EPA 6020B	Potassium	3.0	mg/L	0.50	03/13/25 18:45	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	03/13/25 18:45	
EPA 6020B	Sodium	29.4	mg/L	1.0	03/13/25 18:45	
92778538031	**BOW-AP1-FD-03**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	199	mg/L	5.0	02/20/25 16:22	
SM 2320B-2011	Alkalinity, Total as CaCO3	199	mg/L	5.0	02/20/25 16:22	
SM 2540C-2015	Total Dissolved Solids	283	mg/L	25.0	02/14/25 11:39	
SM 4500-S2D-2011	Sulfide	0.054J	mg/L	0.10	02/14/25 06:15	
EPA 300.0 Rev 2.1 1993	Chloride	24.5	mg/L	1.0	02/13/25 09:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	02/13/25 09:15	
EPA 300.0 Rev 2.1 1993	Sulfate	42.5	mg/L	1.0	02/13/25 09:15	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	03/13/25 18:51	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/13/25 18:51	
EPA 6020B	Boron	0.16	mg/L	0.12	03/18/25 12:27	
EPA 6020B	Calcium	64.7	mg/L	3.0	03/18/25 12:27	
EPA 6020B	Iron	1.1	mg/L	0.040	03/13/25 18:51	
EPA 6020B	Magnesium	27.6	mg/L	0.050	03/13/25 18:51	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538031	**BOW-AP1-FD-03**					
EPA 6020B	Manganese	0.20	mg/L	0.040	03/13/25 18:51	
EPA 6020B	Potassium	0.76	mg/L	0.50	03/13/25 18:51	
EPA 6020B	Sodium	2.5	mg/L	1.0	03/13/25 18:51	
92778538034	**BOW-BGWC-17**					
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	02/16/25 14:25	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	02/14/25 16:15	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	02/14/25 16:15	
SM 2540C-2015	Total Dissolved Solids	442	mg/L	25.0	02/13/25 13:19	
EPA 300.0 Rev 2.1 1993	Chloride	35.9	mg/L	1.0	02/13/25 09:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/13/25 09:31	
EPA 300.0 Rev 2.1 1993	Sulfate	119	mg/L	3.0	02/13/25 20:55	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/13/25 19:10	
EPA 6020B	Boron	1.2	mg/L	0.40	03/18/25 12:54	
EPA 6020B	Cadmium	0.00019J	mg/L	0.00050	03/13/25 19:10	
EPA 6020B	Calcium	86.6	mg/L	10.0	03/18/25 12:54	
EPA 6020B	Iron	0.95	mg/L	0.040	03/13/25 19:10	
EPA 6020B	Magnesium	29.5	mg/L	0.050	03/13/25 19:10	
EPA 6020B	Manganese	0.28	mg/L	0.040	03/13/25 19:10	
EPA 6020B	Potassium	2.5	mg/L	0.50	03/13/25 19:10	
EPA 6020B	Sodium	10.6	mg/L	1.0	03/13/25 19:10	
92778538035	**BOW-BGWC-18**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	157	mg/L	5.0	02/14/25 16:33	
SM 2320B-2011	Alkalinity, Total as CaCO3	157	mg/L	5.0	02/14/25 16:33	
SM 2540C-2015	Total Dissolved Solids	264	mg/L	25.0	02/13/25 13:19	
EPA 300.0 Rev 2.1 1993	Chloride	5.6	mg/L	1.0	02/13/25 09:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	02/13/25 09:47	
EPA 300.0 Rev 2.1 1993	Sulfate	62.0	mg/L	1.0	02/13/25 09:47	
EPA 6020B	Barium	0.034	mg/L	0.0050	03/13/25 19:17	
EPA 6020B	Boron	0.50	mg/L	0.20	03/18/25 13:21	
EPA 6020B	Calcium	52.0	mg/L	1.0	03/13/25 19:17	
EPA 6020B	Iron	0.58	mg/L	0.040	03/13/25 19:17	
EPA 6020B	Magnesium	22.1	mg/L	0.050	03/13/25 19:17	
EPA 6020B	Potassium	1.5	mg/L	0.50	03/13/25 19:17	
EPA 6020B	Sodium	2.5	mg/L	1.0	03/13/25 19:17	
92778538036	**BOW-BGWC-19**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	02/14/25 16:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	190	mg/L	5.0	02/14/25 16:45	
SM 2540C-2015	Total Dissolved Solids	345	mg/L	25.0	02/13/25 13:19	
EPA 300.0 Rev 2.1 1993	Chloride	6.5	mg/L	1.0	02/13/25 10:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.083J	mg/L	0.10	02/13/25 10:34	
EPA 300.0 Rev 2.1 1993	Sulfate	91.0	mg/L	1.0	02/13/25 10:34	
EPA 6020B	Barium	0.037	mg/L	0.0050	03/13/25 19:23	
EPA 6020B	Boron	0.40	mg/L	0.12	03/18/25 13:30	
EPA 6020B	Calcium	70.6	mg/L	3.0	03/18/25 13:30	
EPA 6020B	Iron	0.85	mg/L	0.040	03/13/25 19:23	
EPA 6020B	Magnesium	27.5	mg/L	0.050	03/13/25 19:23	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538036	**BOW-BGWC-19**					
EPA 6020B	Manganese	0.078	mg/L	0.040	03/13/25 19:23	
EPA 6020B	Potassium	3.0	mg/L	0.50	03/13/25 19:23	
EPA 6020B	Sodium	3.1	mg/L	1.0	03/13/25 19:23	
92778538037	**BOW-BGWC-52**					
EPA 6020B	Lithium	0.00105J	mg/L	0.0300	03/18/25 18:54	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	105	mg/L	5.0	02/14/25 16:56	
SM 2320B-2011	Alkalinity, Total as CaCO3	105	mg/L	5.0	02/14/25 16:56	
SM 2540C-2015	Total Dissolved Solids	282	mg/L	25.0	02/13/25 13:31	
EPA 300.0 Rev 2.1 1993	Chloride	31.3	mg/L	1.0	02/13/25 11:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	02/13/25 11:06	
EPA 300.0 Rev 2.1 1993	Sulfate	64.0	mg/L	1.0	02/13/25 11:06	
EPA 6020B	Barium	0.019	mg/L	0.0050	03/13/25 19:30	
EPA 6020B	Boron	0.72	mg/L	0.20	03/18/25 13:39	
EPA 6020B	Calcium	60.5	mg/L	5.0	03/18/25 13:39	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	03/13/25 19:30	
EPA 6020B	Iron	0.68	mg/L	0.040	03/13/25 19:30	
EPA 6020B	Magnesium	11.7	mg/L	0.050	03/13/25 19:30	
EPA 6020B	Manganese	0.011J	mg/L	0.040	03/13/25 19:30	
EPA 6020B	Molybdenum	0.0028J	mg/L	0.010	03/13/25 19:30	
EPA 6020B	Potassium	2.7	mg/L	0.50	03/13/25 19:30	
EPA 6020B	Selenium	0.0043J	mg/L	0.0050	03/13/25 19:30	
EPA 6020B	Sodium	6.6	mg/L	1.0	03/13/25 19:30	
92778538038	**BOW-PZ-7**					
EPA 6020B	Lithium	0.000796J	mg/L	0.0300	03/18/25 18:57	J
EPA 7470A	Mercury	0.00068	mg/L	0.00020	02/16/25 14:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	181	mg/L	5.0	02/14/25 17:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	181	mg/L	5.0	02/14/25 17:04	
SM 2540C-2015	Total Dissolved Solids	666	mg/L	25.0	02/13/25 13:31	
EPA 300.0 Rev 2.1 1993	Chloride	16.2	mg/L	1.0	02/13/25 11:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	02/13/25 11:22	
EPA 300.0 Rev 2.1 1993	Sulfate	228	mg/L	6.0	02/13/25 21:11	
EPA 6020B	Barium	0.025	mg/L	0.0050	03/13/25 19:36	
EPA 6020B	Boron	1.7	mg/L	0.40	03/18/25 13:48	
EPA 6020B	Calcium	141	mg/L	10.0	03/18/25 13:48	
EPA 6020B	Iron	1.6	mg/L	0.040	03/13/25 19:36	
EPA 6020B	Magnesium	28.2	mg/L	0.050	03/13/25 19:36	
EPA 6020B	Manganese	0.016J	mg/L	0.040	03/13/25 19:36	
EPA 6020B	Potassium	3.1	mg/L	0.50	03/13/25 19:36	
EPA 6020B	Sodium	22.6	mg/L	1.0	03/13/25 19:36	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	03/13/25 19:36	
92778538039	**BOW-BGWC-32**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	196	mg/L	5.0	02/22/25 00:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	196	mg/L	5.0	02/22/25 00:10	
SM 2540C-2015	Total Dissolved Solids	700	mg/L	50.0	02/18/25 18:07	
EPA 300.0 Rev 2.1 1993	Chloride	148	mg/L	4.0	02/16/25 03:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	02/15/25 15:09	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538039	**BOW-BGWC-32**					
EPA 300.0 Rev 2.1 1993	Sulfate	134	mg/L	4.0	02/16/25 03:49	
EPA 6020B	Barium	0.085	mg/L	0.0050	03/13/25 19:43	
EPA 6020B	Boron	0.86	mg/L	0.40	03/18/25 13:57	
EPA 6020B	Calcium	133	mg/L	10.0	03/18/25 13:57	
EPA 6020B	Cobalt	0.0032J	mg/L	0.0050	03/13/25 19:43	
EPA 6020B	Iron	1.7	mg/L	0.040	03/13/25 19:43	
EPA 6020B	Magnesium	59.0	mg/L	0.50	03/18/25 13:57	
EPA 6020B	Manganese	0.044	mg/L	0.040	03/13/25 19:43	
EPA 6020B	Molybdenum	0.0042J	mg/L	0.010	03/13/25 19:43	
EPA 6020B	Potassium	2.0	mg/L	0.50	03/13/25 19:43	
EPA 6020B	Sodium	11.3	mg/L	1.0	03/13/25 19:43	
92778538040	**BOW-BGWC-41D**					
EPA 6020B	Lithium	0.00169J	mg/L	0.0300	03/18/25 19:03	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	114	mg/L	5.0	02/22/25 00:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	114	mg/L	5.0	02/22/25 00:27	
SM 2540C-2015	Total Dissolved Solids	1370	mg/L	50.0	02/18/25 18:07	2g
EPA 300.0 Rev 2.1 1993	Chloride	369	mg/L	9.0	02/16/25 04:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/15/25 15:41	
EPA 300.0 Rev 2.1 1993	Sulfate	296	mg/L	9.0	02/16/25 04:05	
EPA 6020B	Barium	0.078	mg/L	0.0050	03/13/25 20:02	
EPA 6020B	Boron	1.7	mg/L	0.40	03/18/25 14:06	
EPA 6020B	Calcium	260	mg/L	10.0	03/18/25 14:06	
EPA 6020B	Iron	3.5	mg/L	0.040	03/13/25 20:02	
EPA 6020B	Magnesium	109	mg/L	0.50	03/18/25 14:06	
EPA 6020B	Manganese	0.024J	mg/L	0.040	03/13/25 20:02	
EPA 6020B	Molybdenum	0.0070J	mg/L	0.010	03/13/25 20:02	
EPA 6020B	Potassium	1.2	mg/L	0.50	03/13/25 20:02	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	03/13/25 20:02	
EPA 6020B	Sodium	23.2	mg/L	1.0	03/13/25 20:02	
92778538041	**BOW-BGWC-53D**					
EPA 6020B	Lithium	0.00115J	mg/L	0.0300	03/18/25 19:07	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	128	mg/L	5.0	02/22/25 00:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	128	mg/L	5.0	02/22/25 00:36	
SM 2540C-2015	Total Dissolved Solids	1070	mg/L	50.0	02/18/25 18:07	
EPA 300.0 Rev 2.1 1993	Chloride	41.4	mg/L	1.0	02/15/25 15:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	02/15/25 15:57	
EPA 300.0 Rev 2.1 1993	Sulfate	453	mg/L	11.0	02/16/25 04:21	
EPA 6020B	Barium	0.061	mg/L	0.0050	03/18/25 11:47	
EPA 6020B	Boron	3.2	mg/L	0.80	03/18/25 16:31	M1
EPA 6020B	Calcium	198	mg/L	20.0	03/18/25 16:03	M1
EPA 6020B	Iron	2.4	mg/L	0.040	03/18/25 11:47	
EPA 6020B	Magnesium	45.6	mg/L	0.050	03/18/25 11:47	M1
EPA 6020B	Manganese	0.31	mg/L	0.040	03/18/25 11:47	
EPA 6020B	Molybdenum	0.0028J	mg/L	0.010	03/18/25 11:47	
EPA 6020B	Potassium	5.3	mg/L	0.50	03/18/25 11:47	
EPA 6020B	Sodium	66.1	mg/L	20.0	03/18/25 16:03	M1

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538042	**BOW-AP1-FD-05**					
EPA 6020B	Lithium	0.00174J	mg/L	0.0300	03/18/25 19:10	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	116	mg/L	5.0	02/22/25 01:00	
SM 2320B-2011	Alkalinity, Total as CaCO3	116	mg/L	5.0	02/22/25 01:00	
SM 2540C-2015	Total Dissolved Solids	1410	mg/L	50.0	02/18/25 18:07	
EPA 300.0 Rev 2.1 1993	Chloride	369	mg/L	9.0	02/16/25 04:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/15/25 16:12	
EPA 300.0 Rev 2.1 1993	Sulfate	296	mg/L	9.0	02/16/25 04:36	
EPA 6020B	Antimony	0.00054J	mg/L	0.0030	03/18/25 12:24	
EPA 6020B	Barium	0.077	mg/L	0.0050	03/18/25 12:24	
EPA 6020B	Boron	1.7	mg/L	0.80	03/18/25 17:17	M1
EPA 6020B	Calcium	272	mg/L	20.0	03/18/25 16:29	M1
EPA 6020B	Iron	3.7	mg/L	0.040	03/18/25 12:24	
EPA 6020B	Magnesium	131	mg/L	1.0	03/18/25 16:29	M1
EPA 6020B	Manganese	0.025J	mg/L	0.040	03/18/25 12:24	
EPA 6020B	Molybdenum	0.0082J	mg/L	0.010	03/18/25 12:24	
EPA 6020B	Potassium	1.3	mg/L	0.50	03/18/25 12:24	
EPA 6020B	Selenium	0.0021J	mg/L	0.0050	03/18/25 12:24	
EPA 6020B	Sodium	25.7	mg/L	1.0	03/18/25 12:24	M1
92778538043	**BOW-BGWC-22**					
EPA 6020B	Lithium	0.0140J	mg/L	0.0300	03/18/25 19:13	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	02/24/25 20:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	156	mg/L	5.0	02/24/25 20:38	
SM 2540C-2015	Total Dissolved Solids	1670	mg/L	50.0	02/18/25 17:55	
EPA 300.0 Rev 2.1 1993	Chloride	381	mg/L	10.0	02/16/25 04:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.29	mg/L	0.10	02/15/25 16:28	
EPA 300.0 Rev 2.1 1993	Sulfate	356	mg/L	10.0	02/16/25 04:52	
EPA 6020B	Antimony	0.00085J	mg/L	0.0030	03/18/25 12:50	
EPA 6020B	Barium	0.046	mg/L	0.0050	03/18/25 12:50	
EPA 6020B	Boron	13.2	mg/L	2.0	03/18/25 17:05	
EPA 6020B	Cadmium	0.0013	mg/L	0.00050	03/18/25 12:50	
EPA 6020B	Calcium	427	mg/L	50.0	03/18/25 17:05	
EPA 6020B	Cobalt	0.011	mg/L	0.0050	03/18/25 12:50	
EPA 6020B	Iron	4.8	mg/L	0.040	03/18/25 12:50	
EPA 6020B	Magnesium	66.8	mg/L	2.5	03/18/25 17:05	
EPA 6020B	Manganese	2.7	mg/L	2.0	03/18/25 17:05	
EPA 6020B	Molybdenum	0.040	mg/L	0.010	03/18/25 12:50	
EPA 6020B	Potassium	11.6	mg/L	0.50	03/18/25 12:50	
EPA 6020B	Selenium	0.0020J	mg/L	0.0050	03/18/25 12:50	
EPA 6020B	Sodium	32.0	mg/L	1.0	03/18/25 12:50	
EPA 6020B	Thallium	0.0011	mg/L	0.0010	03/18/25 12:50	
92778538046	**BOW-BGWC-23**					
EPA 6020B	Lithium	0.0128J	mg/L	0.0300	03/18/25 19:30	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	228	mg/L	5.0	02/20/25 22:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	228	mg/L	5.0	02/20/25 22:02	
SM 2540C-2015	Total Dissolved Solids	1300	mg/L	125	02/17/25 15:56	
SM 4500-S2D-2011	Sulfide	0.20	mg/L	0.10	02/15/25 02:14	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538046	**BOW-BGWC-23**					
EPA 300.0 Rev 2.1 1993	Chloride	277	mg/L	7.0	02/16/25 05:07	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	02/15/25 16:44	M1
EPA 300.0 Rev 2.1 1993	Sulfate	218	mg/L	7.0	02/16/25 05:07	M1
EPA 6020B	Antimony	0.0031	mg/L	0.0030	03/18/25 13:06	
EPA 6020B	Barium	0.053	mg/L	0.0050	03/18/25 13:06	
EPA 6020B	Boron	6.7	mg/L	0.80	03/18/25 17:10	
EPA 6020B	Calcium	280	mg/L	20.0	03/18/25 17:10	
EPA 6020B	Iron	3.5	mg/L	0.040	03/18/25 13:06	
EPA 6020B	Magnesium	81.6	mg/L	1.0	03/18/25 17:10	
EPA 6020B	Manganese	0.16	mg/L	0.040	03/18/25 13:06	
EPA 6020B	Molybdenum	0.0055J	mg/L	0.010	03/18/25 13:06	
EPA 6020B	Potassium	5.6	mg/L	0.50	03/18/25 13:06	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	03/18/25 13:06	
EPA 6020B	Sodium	20.2	mg/L	1.0	03/18/25 13:06	
EPA 6020B	Thallium	0.00038J	mg/L	0.0010	03/18/25 13:06	
92778538047	**BOW-BGWC-24**					
EPA 6020B	Lithium	0.00445J	mg/L	0.0300	03/18/25 19:33	J
EPA 7470A	Mercury	0.00085	mg/L	0.00020	02/18/25 17:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	170	mg/L	5.0	02/20/25 22:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	170	mg/L	5.0	02/20/25 22:11	
SM 2540C-2015	Total Dissolved Solids	1500	mg/L	125	02/17/25 15:56	
SM 4500-S2D-2011	Sulfide	0.023J	mg/L	0.10	02/15/25 02:15	
EPA 300.0 Rev 2.1 1993	Chloride	352	mg/L	9.0	02/16/25 06:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/15/25 18:03	
EPA 300.0 Rev 2.1 1993	Sulfate	229	mg/L	9.0	02/16/25 06:26	
EPA 6020B	Antimony	0.0032	mg/L	0.0030	03/18/25 13:22	
EPA 6020B	Barium	0.041	mg/L	0.0050	03/18/25 13:22	
EPA 6020B	Beryllium	0.00027J	mg/L	0.00050	03/18/25 13:22	
EPA 6020B	Boron	12.5	mg/L	2.0	03/18/25 17:15	
EPA 6020B	Cadmium	0.0017	mg/L	0.00050	03/18/25 13:22	
EPA 6020B	Calcium	377	mg/L	50.0	03/18/25 17:15	
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	03/18/25 13:22	
EPA 6020B	Iron	4.2	mg/L	0.040	03/18/25 13:22	
EPA 6020B	Magnesium	48.6	mg/L	0.050	03/18/25 13:22	
EPA 6020B	Manganese	1.9J	mg/L	2.0	03/18/25 17:15	ED
EPA 6020B	Potassium	6.6	mg/L	0.50	03/18/25 13:22	
EPA 6020B	Selenium	0.0070	mg/L	0.0050	03/18/25 13:22	
EPA 6020B	Sodium	15.4	mg/L	1.0	03/18/25 13:22	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	03/18/25 13:22	
92778538048	**BOW-BGWC-35D**					
EPA 6020B	Lithium	0.0175J	mg/L	0.0300	03/18/25 19:36	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	02/20/25 11:49	
SM 2320B-2011	Alkalinity, Total as CaCO3	102	mg/L	5.0	02/20/25 11:49	
SM 2540C-2015	Total Dissolved Solids	2210	mg/L	125	02/17/25 15:58	
EPA 300.0 Rev 2.1 1993	Chloride	474	mg/L	100	02/16/25 06:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/15/25 18:19	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538048	**BOW-BGWC-35D**					
EPA 300.0 Rev 2.1 1993	Sulfate	298	mg/L	100	02/16/25 06:41	
EPA 6020B	Antimony	0.00086J	mg/L	0.0030	03/18/25 13:27	
EPA 6020B	Arsenic	0.0038J	mg/L	0.0050	03/18/25 13:27	
EPA 6020B	Barium	0.053	mg/L	0.0050	03/18/25 13:27	
EPA 6020B	Boron	12.0	mg/L	2.0	03/18/25 17:20	
EPA 6020B	Calcium	554	mg/L	50.0	03/18/25 17:20	
EPA 6020B	Cobalt	0.0019J	mg/L	0.0050	03/18/25 13:27	
EPA 6020B	Iron	8.8	mg/L	0.040	03/18/25 13:27	
EPA 6020B	Magnesium	128	mg/L	2.5	03/18/25 17:20	
EPA 6020B	Manganese	0.44	mg/L	0.040	03/18/25 13:27	
EPA 6020B	Molybdenum	0.028	mg/L	0.010	03/18/25 13:27	
EPA 6020B	Potassium	8.7	mg/L	0.50	03/18/25 13:27	
EPA 6020B	Selenium	0.0034J	mg/L	0.0050	03/18/25 13:27	
EPA 6020B	Sodium	35.7	mg/L	1.0	03/18/25 13:27	
92778538049	**BOW-BGWC-37D**					
EPA 6020B	Lithium	0.00218J	mg/L	0.0300	03/19/25 11:35	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	02/20/25 12:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	166	mg/L	5.0	02/20/25 12:10	
SM 2540C-2015	Total Dissolved Solids	650	mg/L	50.0	02/17/25 15:58	
SM 4500-S2D-2011	Sulfide	0.044J	mg/L	0.10	02/15/25 02:16	
EPA 300.0 Rev 2.1 1993	Chloride	136	mg/L	3.0	02/16/25 06:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/15/25 18:35	
EPA 300.0 Rev 2.1 1993	Sulfate	116	mg/L	3.0	02/16/25 06:57	
EPA 6020B	Antimony	0.0020J	mg/L	0.0030	03/18/25 13:32	
EPA 6020B	Arsenic	0.0041J	mg/L	0.0050	03/18/25 13:32	
EPA 6020B	Barium	0.079	mg/L	0.0050	03/18/25 13:32	
EPA 6020B	Boron	1.5	mg/L	0.40	03/18/25 17:26	
EPA 6020B	Calcium	124	mg/L	10.0	03/18/25 17:26	
EPA 6020B	Iron	2.6	mg/L	0.040	03/18/25 13:32	
EPA 6020B	Magnesium	52.4	mg/L	0.050	03/18/25 13:32	
EPA 6020B	Manganese	0.029J	mg/L	0.040	03/18/25 13:32	
EPA 6020B	Molybdenum	0.020	mg/L	0.010	03/18/25 13:32	
EPA 6020B	Potassium	1.8	mg/L	0.50	03/18/25 13:32	
EPA 6020B	Sodium	11.1	mg/L	1.0	03/18/25 13:32	
92778538050	**BOW-BGWC-38D**					
EPA 6020B	Lithium	0.00750J	mg/L	0.0300	03/19/25 11:57	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	128	mg/L	5.0	02/20/25 12:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	128	mg/L	5.0	02/20/25 12:36	
SM 2540C-2015	Total Dissolved Solids	1010	mg/L	50.0	02/17/25 15:58	
EPA 300.0 Rev 2.1 1993	Chloride	258	mg/L	6.0	02/16/25 07:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.61	mg/L	0.10	02/15/25 18:51	
EPA 300.0 Rev 2.1 1993	Sulfate	159	mg/L	6.0	02/16/25 07:12	
EPA 6020B	Antimony	0.0010J	mg/L	0.0030	03/18/25 13:37	
EPA 6020B	Barium	0.085	mg/L	0.0050	03/18/25 13:37	
EPA 6020B	Boron	10	mg/L	2.0	03/18/25 17:31	
EPA 6020B	Cadmium	0.00044J	mg/L	0.00050	03/18/25 13:37	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538050	**BOW-BGWC-38D**					
EPA 6020B	Calcium	236	mg/L	50.0	03/18/25 17:31	
EPA 6020B	Cobalt	0.0018J	mg/L	0.0050	03/18/25 13:37	
EPA 6020B	Iron	2.8	mg/L	0.040	03/18/25 13:37	
EPA 6020B	Magnesium	52.8	mg/L	0.050	03/18/25 13:37	
EPA 6020B	Manganese	0.44	mg/L	0.040	03/18/25 13:37	
EPA 6020B	Molybdenum	0.098	mg/L	0.010	03/18/25 13:37	
EPA 6020B	Potassium	4.4	mg/L	0.50	03/18/25 13:37	
EPA 6020B	Selenium	0.0045J	mg/L	0.0050	03/18/25 13:37	
EPA 6020B	Sodium	17.4	mg/L	1.0	03/18/25 13:37	
EPA 6020B	Thallium	0.0013	mg/L	0.0010	03/18/25 13:37	
92778538051	**BOW-BGWC-42D**					
EPA 6020B	Lithium	0.00193J	mg/L	0.0300	03/19/25 12:00	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	205	mg/L	5.0	02/20/25 12:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	205	mg/L	5.0	02/20/25 12:53	
SM 2540C-2015	Total Dissolved Solids	470	mg/L	50.0	02/17/25 15:58	
SM 4500-S2D-2011	Sulfide	3.4	mg/L	1.0	02/15/25 02:16	
EPA 300.0 Rev 2.1 1993	Chloride	68.0	mg/L	1.0	02/15/25 19:07	
EPA 300.0 Rev 2.1 1993	Fluoride	0.56	mg/L	0.10	02/15/25 19:07	
EPA 300.0 Rev 2.1 1993	Sulfate	102	mg/L	2.0	02/16/25 07:28	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	03/18/25 13:43	
EPA 6020B	Barium	0.047	mg/L	0.0050	03/18/25 13:43	
EPA 6020B	Boron	1.7	mg/L	0.40	03/18/25 17:46	
EPA 6020B	Calcium	87.4	mg/L	10.0	03/18/25 17:46	
EPA 6020B	Iron	1.4	mg/L	0.040	03/18/25 13:43	
EPA 6020B	Magnesium	34.3	mg/L	0.050	03/18/25 13:43	
EPA 6020B	Manganese	0.022J	mg/L	0.040	03/18/25 13:43	
EPA 6020B	Molybdenum	0.010	mg/L	0.010	03/18/25 13:43	
EPA 6020B	Potassium	1.8	mg/L	0.50	03/18/25 13:43	
EPA 6020B	Sodium	34.9	mg/L	1.0	03/18/25 13:43	
92778538052	**BOW-BGWC-43D**					
EPA 6020B	Lithium	0.0172J	mg/L	0.0300	03/19/25 12:03	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	110	mg/L	5.0	02/20/25 13:01	
SM 2320B-2011	Alkalinity, Total as CaCO3	110	mg/L	5.0	02/20/25 13:01	
SM 2540C-2015	Total Dissolved Solids	1240	mg/L	50.0	02/17/25 15:58	
EPA 300.0 Rev 2.1 1993	Chloride	345	mg/L	9.0	02/16/25 07:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.89	mg/L	0.10	02/15/25 19:23	
EPA 300.0 Rev 2.1 1993	Sulfate	238	mg/L	9.0	02/16/25 07:43	
EPA 6020B	Barium	0.057	mg/L	0.0050	03/18/25 13:48	
EPA 6020B	Boron	11.9	mg/L	2.0	03/18/25 17:52	
EPA 6020B	Cadmium	0.00043J	mg/L	0.00050	03/18/25 13:48	
EPA 6020B	Calcium	316	mg/L	50.0	03/18/25 17:52	
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	03/18/25 13:48	
EPA 6020B	Iron	3.7	mg/L	0.040	03/18/25 13:48	
EPA 6020B	Magnesium	67.8	mg/L	2.5	03/18/25 17:52	
EPA 6020B	Manganese	1.2J	mg/L	2.0	03/18/25 17:52	ED
EPA 6020B	Molybdenum	0.14	mg/L	0.010	03/18/25 13:48	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778538052	**BOW-BGWC-43D**					
EPA 6020B	Potassium	5.4	mg/L	0.50	03/18/25 13:48	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	03/18/25 13:48	
EPA 6020B	Sodium	18.8	mg/L	1.0	03/18/25 13:48	
EPA 6020B	Thallium	0.0024	mg/L	0.0010	03/18/25 13:48	
92778538053	**BOW-AP1-FD-04**					
EPA 6020B	Lithium	0.00220J	mg/L	0.0300	03/19/25 12:25	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	02/20/25 13:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	156	mg/L	5.0	02/20/25 13:10	
SM 2540C-2015	Total Dissolved Solids	662	mg/L	50.0	02/17/25 15:58	
SM 4500-S2D-2011	Sulfide	0.051J	mg/L	0.10	02/15/25 02:18	
EPA 300.0 Rev 2.1 1993	Chloride	136	mg/L	3.0	02/16/25 07:59	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/15/25 19:38	
EPA 300.0 Rev 2.1 1993	Sulfate	123	mg/L	3.0	02/16/25 07:59	
EPA 6020B	Antimony	0.0022J	mg/L	0.0030	03/18/25 13:53	
EPA 6020B	Arsenic	0.0042J	mg/L	0.0050	03/18/25 13:53	
EPA 6020B	Barium	0.081	mg/L	0.0050	03/18/25 13:53	
EPA 6020B	Boron	1.5	mg/L	0.40	03/18/25 17:57	
EPA 6020B	Calcium	130	mg/L	10.0	03/18/25 17:57	
EPA 6020B	Iron	2.6	mg/L	0.040	03/18/25 13:53	
EPA 6020B	Magnesium	55.0	mg/L	0.50	03/18/25 17:57	
EPA 6020B	Manganese	0.030J	mg/L	0.040	03/18/25 13:53	
EPA 6020B	Molybdenum	0.020	mg/L	0.010	03/18/25 13:53	
EPA 6020B	Potassium	1.8	mg/L	0.50	03/18/25 13:53	
EPA 6020B	Sodium	11.5	mg/L	1.0	03/18/25 13:53	
92778538056	**BOW-BGWC-39**					
EPA 6020B	Lithium	0.00244J	mg/L	0.0300	03/19/25 12:35	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	189	mg/L	5.0	02/28/25 14:07	
SM 2320B-2011	Alkalinity, Total as CaCO3	189	mg/L	5.0	02/28/25 14:07	
SM 2540C-2015	Total Dissolved Solids	550	mg/L	25.0	02/25/25 12:55	
EPA 300.0 Rev 2.1 1993	Chloride	83.6	mg/L	1.0	02/22/25 19:53	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.081J	mg/L	0.10	02/22/25 19:53	
EPA 300.0 Rev 2.1 1993	Sulfate	105	mg/L	2.0	02/23/25 04:33	M1
EPA 6020B	Barium	0.027	mg/L	0.0050	03/18/25 14:09	
EPA 6020B	Boron	3.5	mg/L	0.80	03/18/25 18:02	
EPA 6020B	Calcium	135	mg/L	20.0	03/18/25 18:02	
EPA 6020B	Iron	1.6	mg/L	0.040	03/18/25 14:09	
EPA 6020B	Magnesium	22.3	mg/L	0.050	03/18/25 14:09	
EPA 6020B	Molybdenum	0.0035J	mg/L	0.010	03/18/25 14:09	
EPA 6020B	Potassium	4.7	mg/L	0.50	03/18/25 14:09	
EPA 6020B	Sodium	8.7	mg/L	1.0	03/18/25 14:09	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-29 **Lab ID: 92778538001** Collected: 02/06/25 11:16 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00139J**	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:11	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/11/25 17:23	02/12/25 17:54	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**103**	mg/L	5.0	5.0	1		02/13/25 22:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 22:38		
Alkalinity, Total as CaCO3	**103**	mg/L	5.0	5.0	1		02/13/25 22:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**119**	mg/L	25.0	25.0	1		02/13/25 09:52		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:17	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**0.96J**	mg/L	1.0	0.60	1		02/08/25 19:58	16887-00-6	
Fluoride	**0.060J**	mg/L	0.10	0.050	1		02/08/25 19:58	16984-48-8	
Sulfate	**2.2**	mg/L	1.0	0.50	1		02/08/25 19:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 03:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:09	7440-38-2	
Barium	**0.013**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 03:09	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 03:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 03:09	7440-43-9	
Calcium	**23.0**	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 03:09	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:09	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 03:09	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 03:09	7439-92-1	
Magnesium	**12.1**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 03:09	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 03:09	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 03:09	7439-98-7	
Potassium	**0.71**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 03:09	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:09	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-29 **Lab ID: 92778538001** Collected: 02/06/25 11:16 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**4.5**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 03:09	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 03:09	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-7 **Lab ID: 92778538002** Collected: 02/06/25 10:06 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00630J**	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:14	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:05	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**293**	mg/L	5.0	5.0	1		02/13/25 22:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 22:46		
Alkalinity, Total as CaCO3	**293**	mg/L	5.0	5.0	1		02/13/25 22:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**562**	mg/L	50.0	50.0	1		02/13/25 09:52		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:18	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**6.1**	mg/L	1.0	0.60	1		02/08/25 20:13	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.050	1		02/08/25 20:13	16984-48-8	
Sulfate	**147**	mg/L	4.0	2.0	4		02/09/25 05:44	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 03:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:55	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 03:55	7440-41-7	
Boron	**0.83**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 12:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 03:55	7440-43-9	
Calcium	**125**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 12:07	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:55	7440-48-4	
Iron	**0.51**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 03:55	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 03:55	7439-92-1	
Magnesium	**40.9**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 12:07	7439-95-4	M1
Manganese	**0.034J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 03:55	7439-96-5	
Molybdenum	**0.011**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 03:55	7439-98-7	
Potassium	**3.3**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 03:55	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 03:55	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-7 **Lab ID: 92778538002** Collected: 02/06/25 10:06 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**15.9**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 03:55	7440-23-5	
Thallium	**0.00016J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 03:55	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-10 **Lab ID: 92778538003** Collected: 02/06/25 11:45 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00129J**	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:17	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:16	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**193**	mg/L	5.0	5.0	1		02/13/25 22:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 22:54		
Alkalinity, Total as CaCO3	**193**	mg/L	5.0	5.0	1		02/13/25 22:54		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**402**	mg/L	25.0	25.0	1		02/13/25 09:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:18	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**28.6**	mg/L	1.0	0.60	1		02/08/25 20:29	16887-00-6	
Fluoride	**0.068J**	mg/L	0.10	0.050	1		02/08/25 20:29	16984-48-8	
Sulfate	**89.8**	mg/L	2.0	1.0	2		02/09/25 05:59	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 04:58	7440-36-0	
Arsenic	**0.0040J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 04:58	7440-38-2	
Barium	**0.043**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 04:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 04:58	7440-41-7	
Boron	**0.51**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 13:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 04:58	7440-43-9	
Calcium	**71.4**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 13:11	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 04:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 04:58	7440-48-4	
Iron	**0.16**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 04:58	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 04:58	7439-92-1	
Magnesium	**32.0**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 13:11	7439-95-4	
Manganese	**0.027J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 04:58	7439-96-5	B
Molybdenum	**0.0027J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 04:58	7439-98-7	
Potassium	**2.3**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 04:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 04:58	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-10 **Lab ID: 92778538003** Collected: 02/06/25 11:45 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**17.0**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 04:58	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 04:58	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-16 **Lab ID: 92778538004** Collected: 02/06/25 14:12 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00112J**	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:26	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:18	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**101**	mg/L	5.0	5.0	1		02/13/25 23:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 23:02		
Alkalinity, Total as CaCO3	**101**	mg/L	5.0	5.0	1		02/13/25 23:02		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1050**	mg/L	50.0	50.0	1		02/13/25 09:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:19	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.1**	mg/L	1.0	0.60	1		02/08/25 20:45	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		02/08/25 20:45	16984-48-8	
Sulfate	**455**	mg/L	12.0	6.0	12		02/09/25 06:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 05:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:07	7440-38-2	
Barium	**0.029**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:07	7440-39-3	
Beryllium	**0.00034J**	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 05:07	7440-41-7	
Boron	**2.7**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 13:20	7440-42-8	
Cadmium	**0.0035**	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 05:07	7440-43-9	
Calcium	**221**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 13:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:07	7440-47-3	
Cobalt	**0.015**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:07	7440-48-4	
Iron	**0.034J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 05:07	7439-89-6	
Lead	**0.00027J**	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 05:07	7439-92-1	
Magnesium	**31.2**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 13:20	7439-95-4	
Manganese	**6.2**	mg/L	4.0	0.12	100	03/09/25 07:45	03/18/25 14:33	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 05:07	7439-98-7	
Potassium	**7.4**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 05:07	7440-09-7	
Selenium	**0.0036J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/18/25 14:15	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-16 **Lab ID: 92778538004** Collected: 02/06/25 14:12 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**47.8**	mg/L	10.0	1.5	10	03/09/25 07:45	03/13/25 13:20	7440-23-5	
Thallium	**0.00027J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 05:07	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-20 **Lab ID: 92778538005** Collected: 02/06/25 10:53 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0861**	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:30	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:20	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**94.0**	mg/L	5.0	5.0	1		02/13/25 23:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 23:10		
Alkalinity, Total as CaCO3	**94.0**	mg/L	5.0	5.0	1		02/13/25 23:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1430**	mg/L	50.0	50.0	1		02/13/25 09:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:19	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**118**	mg/L	14.0	8.4	14		02/09/25 06:30	16887-00-6	
Fluoride	**0.077J**	mg/L	0.10	0.050	1		02/08/25 21:01	16984-48-8	
Sulfate	**573**	mg/L	14.0	7.0	14		02/09/25 06:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 05:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:16	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 05:16	7440-41-7	
Boron	**5.4**	mg/L	4.0	0.62	100	03/09/25 07:45	03/18/25 14:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 05:16	7440-43-9	
Calcium	**327**	mg/L	100	10.0	100	03/09/25 07:45	03/18/25 14:43	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:16	7440-48-4	
Iron	**0.11**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 05:16	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 05:16	7439-92-1	
Magnesium	**50.9**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 13:29	7439-95-4	
Manganese	**0.99**	mg/L	0.40	0.012	10	03/09/25 07:45	03/13/25 13:29	7439-96-5	
Molybdenum	**0.068**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 05:16	7439-98-7	
Potassium	**11.3**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 05:16	7440-09-7	
Selenium	**0.0020J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/18/25 14:24	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-20 **Lab ID: 92778538005** Collected: 02/06/25 10:53 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**34.3**	mg/L	10.0	1.5	10	03/09/25 07:45	03/13/25 13:29	7440-23-5	
Thallium	**0.00023J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 05:16	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-31 **Lab ID: 92778538006** Collected: 02/06/25 14:41 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:33	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:22	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**31.2**	mg/L	5.0	5.0	1		02/13/25 23:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 23:17		
Alkalinity, Total as CaCO3	**31.2**	mg/L	5.0	5.0	1		02/13/25 23:17		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**448**	mg/L	25.0	25.0	1		02/13/25 09:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.025J**	mg/L	0.10	0.022	1		02/11/25 05:20	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**28.7**	mg/L	1.0	0.60	1		02/08/25 23:23	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		02/08/25 23:23	16984-48-8	
Sulfate	**110**	mg/L	3.0	1.5	3		02/09/25 06:46	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 05:25	7440-36-0	
Arsenic	**0.0030J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:25	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 05:25	7440-41-7	
Boron	**0.74**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 14:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 05:25	7440-43-9	
Calcium	**86.9**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 14:11	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:25	7440-48-4	
Iron	**1.3**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 05:25	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 05:25	7439-92-1	
Magnesium	**41.8**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 14:11	7439-95-4	
Manganese	**0.17**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 05:25	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 05:25	7439-98-7	
Potassium	**1.6**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 05:25	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:25	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-31 **Lab ID: 92778538006** Collected: 02/06/25 14:41 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**8.2**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 05:25	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 05:25	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-34D **Lab ID: 92778538007** Collected: 02/06/25 13:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000849J**	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:36	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:24	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**232**	mg/L	5.0	5.0	1		02/13/25 23:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 23:24		
Alkalinity, Total as CaCO3	**232**	mg/L	5.0	5.0	1		02/13/25 23:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**591**	mg/L	25.0	25.0	1		02/13/25 09:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:20	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**48.5**	mg/L	1.0	0.60	1		02/09/25 00:11	16887-00-6	
Fluoride	**0.065J**	mg/L	0.10	0.050	1		02/09/25 00:11	16984-48-8	
Sulfate	**146**	mg/L	4.0	2.0	4		02/09/25 07:33	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 05:34	7440-36-0	
Arsenic	**0.015**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:34	7440-38-2	
Barium	**0.060**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 05:34	7440-41-7	
Boron	**0.46**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 14:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 05:34	7440-43-9	
Calcium	**138**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 14:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:34	7440-47-3	
Cobalt	**0.0017J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:34	7440-48-4	
Iron	**1.2**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 05:34	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 05:34	7439-92-1	
Magnesium	**36.9**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 14:20	7439-95-4	
Manganese	**0.017J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 05:34	7439-96-5	B
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 05:34	7439-98-7	
Potassium	**2.1**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 05:34	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:34	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-34D **Lab ID: 92778538007** Collected: 02/06/25 13:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**6.7**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 05:34	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 05:34	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-02 **Lab ID: 92778538008** Collected: 02/06/25 15:51 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 20:54	03/20/25 02:39	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:26	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 23:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 23:32		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/13/25 23:32		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/13/25 09:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:22	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/08/25 21:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/08/25 21:48	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/08/25 21:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 05:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:43	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 05:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 05:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 05:43	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 05:43	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:43	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 05:43	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 05:43	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 05:43	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 05:43	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 05:43	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 05:43	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:43	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-02 **Lab ID: 92778538008** Collected: 02/06/25 15:51 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 05:43	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 05:43	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-02 **Lab ID: 92778538009** Collected: 02/06/25 16:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:00	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:28	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 08:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 08:59		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/14/25 08:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/13/25 09:54		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:24	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/08/25 22:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/08/25 22:04	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/08/25 22:04	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 05:52	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:52	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:52	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 05:52	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 05:52	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 05:52	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 05:52	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:52	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:52	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 05:52	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 05:52	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 05:52	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 05:52	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 05:52	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 05:52	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 05:52	7782-49-2	

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(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-02 **Lab ID: 92778538009** Collected: 02/06/25 16:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 05:52	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 05:52	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-47D **Lab ID: 92778538010** Collected: 02/04/25 13:54 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000632J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:13	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:30	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**285**	mg/L	5.0	5.0	1		02/12/25 02:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 02:05		
Alkalinity, Total as CaCO3	**285**	mg/L	5.0	5.0	1		02/12/25 02:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**406**	mg/L	25.0	25.0	1		02/08/25 13:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:09	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.6**	mg/L	1.0	0.60	1		02/09/25 00:27	16887-00-6	
Fluoride	**0.068J**	mg/L	0.10	0.050	1		02/09/25 00:27	16984-48-8	
Sulfate	**65.4**	mg/L	1.0	0.50	1		02/09/25 00:27	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 06:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:01	7440-38-2	
Barium	**0.057**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 06:01	7440-41-7	
Boron	**0.022J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 06:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 06:01	7440-43-9	
Calcium	**108**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 14:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:01	7440-48-4	
Iron	**0.023J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 06:01	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 06:01	7439-92-1	
Magnesium	**19.9**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 06:01	7439-95-4	
Manganese	**0.0034J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 06:01	7439-96-5	B
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 06:01	7439-98-7	
Potassium	**1.7**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 06:01	7440-09-7	
Selenium	**0.0019J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:01	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-47D **Lab ID: 92778538010** Collected: 02/04/25 13:54 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**4.1**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 06:01	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 06:01	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-48D **Lab ID: 92778538011** Collected: 02/04/25 14:10 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:16	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:32	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**231**	mg/L	5.0	5.0	1		02/12/25 02:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 02:28		
Alkalinity, Total as CaCO3	**231**	mg/L	5.0	5.0	1		02/12/25 02:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**324**	mg/L	25.0	25.0	1		02/08/25 13:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.26**	mg/L	0.10	0.022	1		02/11/25 05:11	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.8**	mg/L	1.0	0.60	1		02/09/25 00:43	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.050	1		02/09/25 00:43	16984-48-8	
Sulfate	**44.0**	mg/L	1.0	0.50	1		02/09/25 00:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 06:47	7440-36-0	
Arsenic	**0.0031J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:47	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 06:47	7440-41-7	
Boron	**0.022J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 06:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 06:47	7440-43-9	
Calcium	**42.6**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 14:56	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:47	7440-48-4	
Iron	**0.37**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 06:47	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 06:47	7439-92-1	
Magnesium	**14.2**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 06:47	7439-95-4	
Manganese	**0.025J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 06:47	7439-96-5	B
Molybdenum	**0.0090J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 06:47	7439-98-7	
Potassium	**1.4**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 06:47	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:47	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-48D **Lab ID: 92778538011** Collected: 02/04/25 14:10 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**53.5**	mg/L	10.0	1.5	10	03/09/25 07:45	03/13/25 14:56	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 06:47	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-6 **Lab ID: 92778538012** Collected: 02/04/25 14:29 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:19	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:39	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**305**	mg/L	5.0	5.0	1		02/12/25 11:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 11:27		
Alkalinity, Total as CaCO3	**305**	mg/L	5.0	5.0	1		02/12/25 11:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**323**	mg/L	25.0	25.0	1		02/08/25 13:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:11	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**7.0**	mg/L	1.0	0.60	1		02/09/25 00:58	16887-00-6	
Fluoride	**0.065J**	mg/L	0.10	0.050	1		02/09/25 00:58	16984-48-8	
Sulfate	**14.4**	mg/L	1.0	0.50	1		02/09/25 00:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 06:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:56	7440-38-2	
Barium	**0.043**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 06:56	7440-41-7	
Boron	**0.0090J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 06:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 06:56	7440-43-9	
Calcium	**72.4**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 15:05	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:56	7440-48-4	
Iron	**0.030J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 06:56	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 06:56	7439-92-1	
Magnesium	**36.1**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 15:05	7439-95-4	
Manganese	**0.035J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 06:56	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 06:56	7439-98-7	
Potassium	**1.3**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 06:56	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 06:56	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-6 **Lab ID: 92778538012** Collected: 02/04/25 14:29 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**4.2**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 06:56	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 06:56	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-01 **Lab ID: 92778538013** Collected: 02/04/25 00:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000624J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:22	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:41	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**289**	mg/L	5.0	5.0	1		02/12/25 13:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 13:33		
Alkalinity, Total as CaCO3	**289**	mg/L	5.0	5.0	1		02/12/25 13:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**400**	mg/L	25.0	25.0	1		02/08/25 13:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.6**	mg/L	1.0	0.60	1		02/09/25 01:14	16887-00-6	
Fluoride	**0.068J**	mg/L	0.10	0.050	1		02/09/25 01:14	16984-48-8	
Sulfate	**65.5**	mg/L	1.0	0.50	1		02/09/25 01:14	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:05	7440-38-2	
Barium	**0.058**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:05	7440-41-7	
Boron	**0.022J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 07:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:05	7440-43-9	
Calcium	**114**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 15:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:05	7440-48-4	
Iron	**0.026J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:05	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:05	7439-92-1	
Magnesium	**20.0**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 07:05	7439-95-4	
Manganese	**0.0032J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 07:05	7439-96-5	B
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:05	7439-98-7	
Potassium	**1.7**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:05	7440-09-7	
Selenium	**0.0022J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:05	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-01 **Lab ID: 92778538013** Collected: 02/04/25 00:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**4.2**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 07:05	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:05	7440-28-0	5g

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-01 **Lab ID: 92778538014** Collected: 02/04/25 16:03 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:33	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:43	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 11:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 11:42		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/12/25 11:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/08/25 13:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/08/25 22:52	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/08/25 22:52	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/08/25 22:52	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:14	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 07:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:14	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 07:14	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:14	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:14	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:14	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 07:14	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 07:14	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:14	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:14	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:14	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-01 **Lab ID: 92778538014** Collected: 02/04/25 16:03 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 07:14	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:14	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-01 **Lab ID: 92778538015** Collected: 02/04/25 16:12 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:36	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/12/25 17:44	02/13/25 12:45	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 11:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/12/25 11:46		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/12/25 11:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/08/25 13:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/08/25 23:08	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/08/25 23:08	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/08/25 23:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:23	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 07:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:23	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 07:23	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:23	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:23	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:23	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 07:23	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 07:23	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:23	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:23	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:23	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-01 **Lab ID: 92778538015** Collected: 02/04/25 16:12 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 07:23	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:23	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-8 **Lab ID: 92778538016** Collected: 02/05/25 10:24 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:39	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:31	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**158**	mg/L	5.0	5.0	1		02/13/25 17:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 17:09		
Alkalinity, Total as CaCO3	**158**	mg/L	5.0	5.0	1		02/13/25 17:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**173**	mg/L	25.0	25.0	1		02/11/25 12:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:13	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.4**	mg/L	1.0	0.60	1		02/09/25 02:02	16887-00-6	
Fluoride	**0.073J**	mg/L	0.10	0.050	1		02/09/25 02:02	16984-48-8	
Sulfate	**11.6**	mg/L	1.0	0.50	1		02/09/25 02:02	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:32	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:32	7440-41-7	
Boron	**0.029J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/13/25 07:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:32	7440-43-9	
Calcium	**44.5**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 15:59	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:32	7440-48-4	
Iron	**0.037J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:32	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:32	7439-92-1	
Magnesium	**15.6**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 07:32	7439-95-4	
Manganese	**0.0013J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 07:32	7439-96-5	B
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:32	7439-98-7	
Potassium	**2.9**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:32	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:32	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-8 **Lab ID: 92778538016** Collected: 02/05/25 10:24 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**4.8**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 07:32	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:32	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-9 **Lab ID: 92778538017** Collected: 02/05/25 12:40 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00148J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:42	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:38	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**217**	mg/L	5.0	5.0	1		02/13/25 17:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 17:17		
Alkalinity, Total as CaCO3	**217**	mg/L	5.0	5.0	1		02/13/25 17:17		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**344**	mg/L	25.0	25.0	1		02/11/25 12:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**9.6**	mg/L	1.0	0.60	1		02/09/25 02:49	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.050	1		02/09/25 02:49	16984-48-8	
Sulfate	**80.0**	mg/L	1.0	0.50	1		02/09/25 02:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:41	7440-38-2	
Barium	**0.028**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:41	7440-41-7	
Boron	**0.52**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 16:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:41	7440-43-9	
Calcium	**72.8**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 16:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:41	7440-48-4	
Iron	**0.12**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:41	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:41	7439-92-1	
Magnesium	**28.3**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 07:41	7439-95-4	
Manganese	**0.017J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 07:41	7439-96-5	B
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:41	7439-98-7	
Potassium	**2.9**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:41	7440-09-7	
Selenium	**0.0016J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:41	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-9 **Lab ID: 92778538017** Collected: 02/05/25 12:40 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**13.8**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 07:41	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:41	7440-28-0	4g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-12 **Lab ID: 92778538018** Collected: 02/05/25 14:30 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00153J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:45	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:40	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**308**	mg/L	5.0	5.0	1		02/13/25 17:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 17:48		
Alkalinity, Total as CaCO3	**308**	mg/L	5.0	5.0	1		02/13/25 17:48		M1
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1130**	mg/L	50.0	50.0	1		02/11/25 12:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.2**	mg/L	1.0	0.60	1		02/09/25 03:05	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		02/09/25 03:05	16984-48-8	
Sulfate	**456**	mg/L	11.0	5.5	11		02/09/25 08:20	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:50	7440-38-2	
Barium	**0.060**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:50	7440-41-7	
Boron	**1.9**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 16:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:50	7440-43-9	
Calcium	**224**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 16:18	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:50	7440-48-4	
Iron	**0.030J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:50	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:50	7439-92-1	
Magnesium	**74.7**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 16:18	7439-95-4	
Manganese	**0.0021J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 07:50	7439-96-5	B
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:50	7439-98-7	
Potassium	**4.2**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:50	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:50	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-12 **Lab ID: 92778538018** Collected: 02/05/25 14:30 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**44.0**	mg/L	10.0	1.5	10	03/09/25 07:45	03/13/25 16:18	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:50	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-14A **Lab ID: 92778538019** Collected: 02/05/25 16:10 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00137J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:49	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:42	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**203**	mg/L	5.0	5.0	1		02/13/25 18:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 18:13		
Alkalinity, Total as CaCO3	**203**	mg/L	5.0	5.0	1		02/13/25 18:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**984**	mg/L	50.0	50.0	1		02/11/25 12:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**20.6**	mg/L	1.0	0.60	1		02/09/25 03:21	16887-00-6	
Fluoride	**0.085J**	mg/L	0.10	0.050	1		02/09/25 03:21	16984-48-8	
Sulfate	**440**	mg/L	11.0	5.5	11		02/09/25 08:35	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 07:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:59	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 07:59	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	03/09/25 07:45	03/13/25 16:27	7440-42-8	
Cadmium	**0.00073**	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 07:59	7440-43-9	
Calcium	**215**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 16:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 07:59	7440-48-4	
Iron	**0.022J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 07:59	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 07:59	7439-92-1	
Magnesium	**58.3**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 16:27	7439-95-4	
Manganese	**1.3**	mg/L	0.40	0.012	10	03/09/25 07:45	03/13/25 16:27	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 07:59	7439-98-7	
Potassium	**6.9**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 07:59	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	03/09/25 07:45	03/13/25 16:27	7782-49-2	3g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-14A **Lab ID: 92778538019** Collected: 02/05/25 16:10 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**30.2**	mg/L	10.0	1.5	10	03/09/25 07:45	03/13/25 16:27	7440-23-5	
Thallium	**0.00066J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 07:59	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-36D **Lab ID: 92778538020** Collected: 02/05/25 16:10 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00128J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:52	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:44	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**138**	mg/L	5.0	5.0	1		02/13/25 18:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 18:36		
Alkalinity, Total as CaCO3	**138**	mg/L	5.0	5.0	1		02/13/25 18:36		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**686**	mg/L	50.0	50.0	1		02/11/25 12:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:15	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**196**	mg/L	5.0	3.0	5		02/09/25 08:51	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		02/09/25 03:37	16984-48-8	
Sulfate	**98.4**	mg/L	5.0	2.5	5		02/09/25 08:51	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 08:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 08:08	7440-38-2	
Barium	**0.063**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 08:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 08:08	7440-41-7	
Boron	**4.0J**	mg/L	4.0	0.62	100	03/09/25 07:45	03/18/25 15:19	7440-42-8	ED
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 08:08	7440-43-9	
Calcium	**161**	mg/L	10.0	1.0	10	03/09/25 07:45	03/13/25 16:36	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 08:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 08:08	7440-48-4	
Iron	**0.017J**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 08:08	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 08:08	7439-92-1	
Magnesium	**55.2**	mg/L	0.50	0.10	10	03/09/25 07:45	03/13/25 16:36	7439-95-4	
Manganese	**0.0024J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 08:08	7439-96-5	B
Molybdenum	**0.011**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 08:08	7439-98-7	
Potassium	**3.6**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 08:08	7440-09-7	
Selenium	**0.016**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 08:08	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-36D **Lab ID: 92778538020** Collected: 02/05/25 16:10 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.2**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 08:08	7440-23-5	
Thallium	**0.00020J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 08:08	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-44D **Lab ID: 92778538021** Collected: 02/05/25 13:43 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00310J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:55	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:46	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**287**	mg/L	5.0	5.0	1		02/13/25 18:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 18:52		
Alkalinity, Total as CaCO3	**287**	mg/L	5.0	5.0	1		02/13/25 18:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**324**	mg/L	25.0	25.0	1		02/11/25 12:12		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.41**	mg/L	0.10	0.022	1		02/11/25 05:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**9.2**	mg/L	1.0	0.60	1		02/09/25 03:53	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		02/09/25 03:53	16984-48-8	
Sulfate	**32.7**	mg/L	1.0	0.50	1		02/09/25 03:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 16:29	7440-36-0	
Arsenic	**0.0038J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 16:29	7440-38-2	
Barium	**0.035**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 16:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 16:29	7440-41-7	
Boron	**0.023J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/17/25 11:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 16:29	7440-43-9	
Calcium	**44.6**	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 16:29	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 16:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 16:29	7440-48-4	
Iron	**0.76**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 16:29	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 16:29	7439-92-1	
Magnesium	**26.9**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 16:29	7439-95-4	M1
Manganese	**0.060**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 16:29	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 16:29	7439-98-7	
Potassium	**1.1**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 16:29	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 16:29	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-44D **Lab ID: 92778538021** Collected: 02/05/25 13:43 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**45.2**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 16:29	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 16:29	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-50D **Lab ID: 92778538022** Collected: 02/05/25 11:12 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00175J**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 20:58	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 16:11	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**281**	mg/L	5.0	5.0	1		02/13/25 19:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/13/25 19:00		
Alkalinity, Total as CaCO3	**281**	mg/L	5.0	5.0	1		02/13/25 19:00		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**662**	mg/L	50.0	50.0	1		02/11/25 12:12		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.14**	mg/L	0.10	0.022	1		02/11/25 05:17	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**20.0**	mg/L	1.0	0.60	1		02/09/25 04:08	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.050	1		02/09/25 04:08	16984-48-8	
Sulfate	**213**	mg/L	5.0	2.5	5		02/09/25 09:06	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 17:01	7440-36-0	
Arsenic	**0.0030J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:01	7440-38-2	
Barium	**0.047**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 17:01	7440-41-7	
Boron	**0.051**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/17/25 12:22	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 17:01	7440-43-9	
Calcium	**75.0**	mg/L	5.0	0.50	5	03/09/25 07:45	03/17/25 13:25	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:01	7440-48-4	
Iron	**2.3**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 17:01	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 17:01	7439-92-1	
Magnesium	**29.5**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 17:01	7439-95-4	M1
Manganese	**0.066**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 17:01	7439-96-5	
Molybdenum	**0.0038J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 17:01	7439-98-7	
Potassium	**1.4**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 17:01	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:01	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-50D **Lab ID: 92778538022** Collected: 02/05/25 11:12 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**149**	mg/L	5.0	0.75	5	03/09/25 07:45	03/17/25 13:25	7440-23-5	M1
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 17:01	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-51 **Lab ID: 92778538023** Collected: 02/06/25 14:04 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 21:01	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:52	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**161**	mg/L	5.0	5.0	1		02/14/25 09:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 09:05		
Alkalinity, Total as CaCO3	**161**	mg/L	5.0	5.0	1		02/14/25 09:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**321**	mg/L	25.0	25.0	1		02/13/25 09:54		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:25	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**34.5**	mg/L	1.0	0.60	1		02/09/25 04:24	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.050	1		02/09/25 04:24	16984-48-8	
Sulfate	**58.8**	mg/L	1.0	0.50	1		02/09/25 04:24	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 17:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:47	7440-38-2	
Barium	**0.0055**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 17:47	7440-41-7	
Boron	**1.1**	mg/L	0.20	0.031	5	03/09/25 07:45	03/17/25 14:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 17:47	7440-43-9	
Calcium	**79.3**	mg/L	5.0	0.50	5	03/09/25 07:45	03/17/25 14:11	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:47	7440-48-4	
Iron	**0.82**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 17:47	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 17:47	7439-92-1	
Magnesium	**17.3**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 17:47	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 17:47	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 17:47	7439-98-7	
Potassium	**2.4**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 17:47	7440-09-7	
Selenium	**0.0056**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:47	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-51 **Lab ID: 92778538023** Collected: 02/06/25 14:04 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**5.5**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 17:47	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 17:47	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-02 **Lab ID: 92778538024** Collected: 02/06/25 00:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0786**	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 21:12	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**96.0**	mg/L	5.0	5.0	1		02/14/25 09:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 09:30		
Alkalinity, Total as CaCO3	**96.0**	mg/L	5.0	5.0	1		02/14/25 09:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1450**	mg/L	50.0	50.0	1		02/13/25 09:54		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/11/25 05:25	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**117**	mg/L	14.0	8.4	14		02/09/25 09:22	16887-00-6	
Fluoride	**0.079J**	mg/L	0.10	0.050	1		02/09/25 05:12	16984-48-8	
Sulfate	**568**	mg/L	14.0	7.0	14		02/09/25 09:22	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 17:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:53	7440-38-2	
Barium	**0.033**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 17:53	7440-41-7	
Boron	**5.8**	mg/L	0.80	0.12	20	03/09/25 07:45	03/17/25 14:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 17:53	7440-43-9	
Calcium	**323**	mg/L	20.0	2.0	20	03/09/25 07:45	03/17/25 14:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:53	7440-48-4	
Iron	**3.4**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 17:53	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 17:53	7439-92-1	
Magnesium	**46.1**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 17:53	7439-95-4	
Manganese	**0.91**	mg/L	0.80	0.025	20	03/09/25 07:45	03/17/25 14:20	7439-96-5	
Molybdenum	**0.059**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 17:53	7439-98-7	
Potassium	**9.5**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 17:53	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:53	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-02 **Lab ID: 92778538024** Collected: 02/06/25 00:00 Received: 02/07/25 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**32.7**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 17:53	7440-23-5	
Thallium	**0.00018J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 17:53	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-2 **Lab ID: 92778538025** Collected: 02/10/25 12:17 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 21:15	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:57	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**208**	mg/L	5.0	5.0	1		02/19/25 21:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/19/25 21:59		
Alkalinity, Total as CaCO3	**208**	mg/L	5.0	5.0	1		02/19/25 21:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**234**	mg/L	25.0	25.0	1		02/14/25 11:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		02/13/25 07:40	16887-00-6	
Fluoride	**0.094J**	mg/L	0.10	0.050	1		02/13/25 07:40	16984-48-8	
Sulfate	**14.7**	mg/L	1.0	0.50	1		02/13/25 07:40	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 17:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:59	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 17:59	7440-41-7	
Boron	**0.018J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/17/25 14:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 17:59	7440-43-9	
Calcium	**50.1**	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 17:59	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:59	7440-48-4	
Iron	**0.61**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 17:59	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 17:59	7439-92-1	
Magnesium	**21.0**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 17:59	7439-95-4	
Manganese	**0.057**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 17:59	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 17:59	7439-98-7	
Potassium	**1.6**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 17:59	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 17:59	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWA-2 **Lab ID: 92778538025** Collected: 02/10/25 12:17 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**2.9**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 17:59	7440-23-5	
Thallium	**0.00082J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 17:59	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-21 **Lab ID: 92778538026** Collected: 02/10/25 15:44 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 21:18	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 16:59	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**179**	mg/L	5.0	5.0	1		02/19/25 22:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/19/25 22:06		
Alkalinity, Total as CaCO3	**179**	mg/L	5.0	5.0	1		02/19/25 22:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**243**	mg/L	25.0	25.0	1		02/14/25 11:37		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.7**	mg/L	1.0	0.60	1		02/13/25 07:56	16887-00-6	
Fluoride	**0.078J**	mg/L	0.10	0.050	1		02/13/25 07:56	16984-48-8	
Sulfate	**51.6**	mg/L	1.0	0.50	1		02/13/25 07:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:06	7440-38-2	
Barium	**0.020**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:06	7440-41-7	
Boron	**0.025J**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/17/25 14:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:06	7440-43-9	
Calcium	**45.6**	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 18:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:06	7440-47-3	
Cobalt	**0.0066**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:06	7440-48-4	
Iron	**0.49**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:06	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:06	7439-92-1	
Magnesium	**25.0**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 18:06	7439-95-4	
Manganese	**0.024J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:06	7439-96-5	
Molybdenum	**0.0049J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:06	7439-98-7	
Potassium	**1.4**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:06	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:06	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-21 **Lab ID: 92778538026** Collected: 02/10/25 15:44 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**2.3**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:06	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:06	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-25 **Lab ID: 92778538027** Collected: 02/10/25 16:08 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 21:22	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 17:01	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**205**	mg/L	5.0	5.0	1		02/19/25 22:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/19/25 22:14		
Alkalinity, Total as CaCO3	**205**	mg/L	5.0	5.0	1		02/19/25 22:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**286**	mg/L	25.0	25.0	1		02/14/25 11:37		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.050J**	mg/L	0.10	0.022	1		02/14/25 06:13	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**24.2**	mg/L	1.0	0.60	1		02/13/25 08:12	16887-00-6	
Fluoride	**0.066J**	mg/L	0.10	0.050	1		02/13/25 08:12	16984-48-8	
Sulfate	**42.4**	mg/L	1.0	0.50	1		02/13/25 08:12	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:12	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:12	7440-38-2	
Barium	**0.015**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:12	7440-41-7	
Boron	**0.16**	mg/L	0.040	0.0062	1	03/09/25 07:45	03/18/25 11:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:12	7440-43-9	
Calcium	**66.0**	mg/L	5.0	0.50	5	03/09/25 07:45	03/18/25 11:51	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:12	7440-48-4	
Iron	**1.1**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:12	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:12	7439-92-1	
Magnesium	**28.0**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 18:12	7439-95-4	
Manganese	**0.21**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:12	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:12	7439-98-7	
Potassium	**0.76**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:12	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:12	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-25 **Lab ID: 92778538027** Collected: 02/10/25 16:08 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**2.4**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:12	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:12	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-30 **Lab ID: 92778538028** Collected: 02/10/25 10:57 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 12:33	03/18/25 21:25	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 17:03	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**165**	mg/L	5.0	5.0	1		02/19/25 22:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/19/25 22:22		
Alkalinity, Total as CaCO3	**165**	mg/L	5.0	5.0	1		02/19/25 22:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**282**	mg/L	25.0	25.0	1		02/14/25 11:37		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**63.2**	mg/L	1.0	0.60	1		02/13/25 08:28	16887-00-6	
Fluoride	**0.091J**	mg/L	0.10	0.050	1		02/13/25 08:28	16984-48-8	
Sulfate	**29.4**	mg/L	1.0	0.50	1		02/13/25 08:28	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:19	7440-38-2	
Barium	**0.042**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:19	7440-41-7	
Boron	**1.1**	mg/L	0.20	0.031	5	03/09/25 07:45	03/18/25 12:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:19	7440-43-9	
Calcium	**69.4**	mg/L	5.0	0.50	5	03/09/25 07:45	03/18/25 12:00	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:19	7440-48-4	
Iron	**0.72**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:19	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:19	7439-92-1	
Magnesium	**23.6**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 18:19	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:19	7439-96-5	
Molybdenum	**0.0028J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:19	7439-98-7	
Potassium	**2.3**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:19	7440-09-7	
Selenium	**0.0024J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:19	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-30 **Lab ID: 92778538028** Collected: 02/10/25 10:57 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**2.7**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:19	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:19	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-40 **Lab ID: 92778538029** Collected: 02/10/25 13:35 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:08	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/14/25 17:45	02/15/25 17:05	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**233**	mg/L	5.0	5.0	1		02/20/25 15:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 15:34		
Alkalinity, Total as CaCO3	**233**	mg/L	5.0	5.0	1		02/20/25 15:34		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**495**	mg/L	25.0	25.0	1		02/14/25 11:37		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**79.1**	mg/L	1.0	0.60	1		02/13/25 08:44	16887-00-6	
Fluoride	**0.085J**	mg/L	0.10	0.050	1		02/13/25 08:44	16984-48-8	
Sulfate	**46.2**	mg/L	2.0	1.0	2		02/13/25 20:24	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:25	7440-38-2	
Barium	**0.035**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:25	7440-41-7	
Boron	**1.9**	mg/L	0.40	0.062	10	03/09/25 07:45	03/18/25 12:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:25	7440-43-9	
Calcium	**114**	mg/L	10.0	1.0	10	03/09/25 07:45	03/18/25 12:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:25	7440-48-4	
Iron	**1.3**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:25	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:25	7439-92-1	
Magnesium	**36.9**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 18:25	7439-95-4	
Manganese	**0.0016J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:25	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:25	7439-98-7	
Potassium	**1.6**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:25	7440-09-7	
Selenium	**0.0067**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:25	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-40 **Lab ID: 92778538029** Collected: 02/10/25 13:35 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**6.3**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:25	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:25	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-49D **Lab ID: 92778538030** Collected: 02/10/25 14:52 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00469J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:20	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:09	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**103**	mg/L	5.0	5.0	1		02/20/25 15:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 15:59		
Alkalinity, Total as CaCO3	**103**	mg/L	5.0	5.0	1		02/20/25 15:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1140**	mg/L	50.0	50.0	1		02/14/25 11:37		1g
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.16**	mg/L	0.10	0.022	1		02/14/25 06:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**377**	mg/L	9.0	5.4	9		02/13/25 20:40	16887-00-6	
Fluoride	**0.087J**	mg/L	0.10	0.050	1		02/13/25 08:59	16984-48-8	
Sulfate	**183**	mg/L	9.0	4.5	9		02/13/25 20:40	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:45	7440-38-2	
Barium	**0.062**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:45	7440-41-7	
Boron	**8.0**	mg/L	2.0	0.31	50	03/09/25 07:45	03/20/25 09:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:45	7440-43-9	
Calcium	**226**	mg/L	25.0	2.5	25	03/09/25 07:45	03/20/25 00:33	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:45	7440-48-4	
Iron	**2.6**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:45	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:45	7439-92-1	
Magnesium	**99.2**	mg/L	1.2	0.25	25	03/09/25 07:45	03/20/25 00:33	7439-95-4	
Manganese	**0.20**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:45	7439-96-5	
Molybdenum	**0.0047J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:45	7439-98-7	
Potassium	**3.0**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:45	7440-09-7	
Selenium	**0.0015J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:45	7782-49-2	

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(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-49D **Lab ID: 92778538030** Collected: 02/10/25 14:52 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**29.4**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:45	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:45	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-03 **Lab ID: 92778538031** Collected: 02/10/25 00:00 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:23	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:15	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**199**	mg/L	5.0	5.0	1		02/20/25 16:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 16:22		
Alkalinity, Total as CaCO3	**199**	mg/L	5.0	5.0	1		02/20/25 16:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**283**	mg/L	25.0	25.0	1		02/14/25 11:39		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.054J**	mg/L	0.10	0.022	1		02/14/25 06:15	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**24.5**	mg/L	1.0	0.60	1		02/13/25 09:15	16887-00-6	
Fluoride	**0.060J**	mg/L	0.10	0.050	1		02/13/25 09:15	16984-48-8	
Sulfate	**42.5**	mg/L	1.0	0.50	1		02/13/25 09:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:51	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:51	7440-38-2	
Barium	**0.015**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:51	7440-41-7	
Boron	**0.16**	mg/L	0.12	0.019	3	03/09/25 07:45	03/18/25 12:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:51	7440-43-9	
Calcium	**64.7**	mg/L	3.0	0.30	3	03/09/25 07:45	03/18/25 12:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:51	7440-48-4	
Iron	**1.1**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:51	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:51	7439-92-1	
Magnesium	**27.6**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 18:51	7439-95-4	
Manganese	**0.20**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:51	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:51	7439-98-7	
Potassium	**0.76**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:51	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:51	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-03 **Lab ID: 92778538031** Collected: 02/10/25 00:00 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**2.5**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:51	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:51	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-03 **Lab ID: 92778538032** Collected: 02/10/25 17:35 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:27	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:21	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 16:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 16:40		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/20/25 16:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/14/25 11:52		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/13/25 03:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/25 03:01	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/25 03:01	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 18:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:58	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 18:58	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/18/25 12:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 18:58	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 18:58	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:58	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 18:58	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 18:58	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 18:58	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 18:58	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 18:58	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 18:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 18:58	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-03 **Lab ID: 92778538032** Collected: 02/10/25 17:35 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 18:58	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 18:58	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-03 **Lab ID: 92778538033** Collected: 02/10/25 17:15 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:30	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:23	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 16:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 16:45		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/20/25 16:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/14/25 11:52		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/13/25 04:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/25 04:41	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/25 04:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:04	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:04	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:04	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:04	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 07:45	03/18/25 12:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:04	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 19:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:04	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:04	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:04	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:04	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 19:04	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:04	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:04	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:04	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:04	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-03 **Lab ID: 92778538033** Collected: 02/10/25 17:15 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:04	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:04	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-17 **Lab ID: 92778538034** Collected: 02/07/25 10:50 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:44	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	**0.00017J**	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:25	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	5.0	5.0	1		02/14/25 16:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 16:15		
Alkalinity, Total as CaCO3	**159**	mg/L	5.0	5.0	1		02/14/25 16:15		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**442**	mg/L	25.0	25.0	1		02/13/25 13:19		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:08	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**35.9**	mg/L	1.0	0.60	1		02/13/25 09:31	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.050	1		02/13/25 09:31	16984-48-8	
Sulfate	**119**	mg/L	3.0	1.5	3		02/13/25 20:55	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:10	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:10	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:10	7440-41-7	
Boron	**1.2**	mg/L	0.40	0.062	10	03/09/25 07:45	03/18/25 12:54	7440-42-8	
Cadmium	**0.00019J**	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:10	7440-43-9	
Calcium	**86.6**	mg/L	10.0	1.0	10	03/09/25 07:45	03/18/25 12:54	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:10	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:10	7440-48-4	
Iron	**0.95**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:10	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:10	7439-92-1	
Magnesium	**29.5**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 19:10	7439-95-4	
Manganese	**0.28**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:10	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:10	7439-98-7	
Potassium	**2.5**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:10	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:10	7782-49-2	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-17 **Lab ID: 92778538034** Collected: 02/07/25 10:50 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**10.6**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:10	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:10	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-18 **Lab ID: 92778538035** Collected: 02/07/25 12:45 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:47	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:27	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**157**	mg/L	5.0	5.0	1		02/14/25 16:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 16:33		
Alkalinity, Total as CaCO3	**157**	mg/L	5.0	5.0	1		02/14/25 16:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**264**	mg/L	25.0	25.0	1		02/13/25 13:19		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:09	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.6**	mg/L	1.0	0.60	1		02/13/25 09:47	16887-00-6	
Fluoride	**0.074J**	mg/L	0.10	0.050	1		02/13/25 09:47	16984-48-8	
Sulfate	**62.0**	mg/L	1.0	0.50	1		02/13/25 09:47	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:17	7440-38-2	
Barium	**0.034**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:17	7440-41-7	
Boron	**0.50**	mg/L	0.20	0.031	5	03/09/25 07:45	03/18/25 13:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:17	7440-43-9	
Calcium	**52.0**	mg/L	1.0	0.10	1	03/09/25 07:45	03/13/25 19:17	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:17	7440-48-4	
Iron	**0.58**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:17	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:17	7439-92-1	
Magnesium	**22.1**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 19:17	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:17	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:17	7439-98-7	
Potassium	**1.5**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:17	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:17	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-18 **Lab ID: 92778538035** Collected: 02/07/25 12:45 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**2.5**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:17	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:17	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-19 **Lab ID: 92778538036** Collected: 02/07/25 11:51 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:51	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:29	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**190**	mg/L	5.0	5.0	1		02/14/25 16:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 16:45		
Alkalinity, Total as CaCO3	**190**	mg/L	5.0	5.0	1		02/14/25 16:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**345**	mg/L	25.0	25.0	1		02/13/25 13:19		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:09	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**6.5**	mg/L	1.0	0.60	1		02/13/25 10:34	16887-00-6	
Fluoride	**0.083J**	mg/L	0.10	0.050	1		02/13/25 10:34	16984-48-8	
Sulfate	**91.0**	mg/L	1.0	0.50	1		02/13/25 10:34	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:23	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:23	7440-41-7	
Boron	**0.40**	mg/L	0.12	0.019	3	03/09/25 07:45	03/18/25 13:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:23	7440-43-9	
Calcium	**70.6**	mg/L	3.0	0.30	3	03/09/25 07:45	03/18/25 13:30	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:23	7440-48-4	
Iron	**0.85**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:23	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:23	7439-92-1	
Magnesium	**27.5**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 19:23	7439-95-4	
Manganese	**0.078**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:23	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:23	7439-98-7	
Potassium	**3.0**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:23	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:23	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-19 **Lab ID: 92778538036** Collected: 02/07/25 11:51 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**3.1**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:23	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:23	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-52 **Lab ID: 92778538037** Collected: 02/07/25 11:40 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00105J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:54	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:31	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**105**	mg/L	5.0	5.0	1		02/14/25 16:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 16:56		
Alkalinity, Total as CaCO3	**105**	mg/L	5.0	5.0	1		02/14/25 16:56		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**282**	mg/L	25.0	25.0	1		02/13/25 13:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:10	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**31.3**	mg/L	1.0	0.60	1		02/13/25 11:06	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		02/13/25 11:06	16984-48-8	
Sulfate	**64.0**	mg/L	1.0	0.50	1		02/13/25 11:06	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:30	7440-38-2	
Barium	**0.019**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:30	7440-41-7	
Boron	**0.72**	mg/L	0.20	0.031	5	03/09/25 07:45	03/18/25 13:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:30	7440-43-9	
Calcium	**60.5**	mg/L	5.0	0.50	5	03/09/25 07:45	03/18/25 13:39	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:30	7440-47-3	
Cobalt	**0.0014J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:30	7440-48-4	
Iron	**0.68**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:30	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:30	7439-92-1	
Magnesium	**11.7**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 19:30	7439-95-4	
Manganese	**0.011J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:30	7439-96-5	
Molybdenum	**0.0028J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:30	7439-98-7	
Potassium	**2.7**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:30	7440-09-7	
Selenium	**0.0043J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:30	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-52 **Lab ID: 92778538037** Collected: 02/07/25 11:40 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**6.6**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:30	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:30	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-PZ-7 **Lab ID: 92778538038** Collected: 02/07/25 10:16 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000796J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 18:57	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	**0.00068**	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:33	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**181**	mg/L	5.0	5.0	1		02/14/25 17:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/25 17:04		
Alkalinity, Total as CaCO3	**181**	mg/L	5.0	5.0	1		02/14/25 17:04		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**666**	mg/L	25.0	25.0	1		02/13/25 13:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/14/25 06:10	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**16.2**	mg/L	1.0	0.60	1		02/13/25 11:22	16887-00-6	
Fluoride	**0.062J**	mg/L	0.10	0.050	1		02/13/25 11:22	16984-48-8	
Sulfate	**228**	mg/L	6.0	3.0	6		02/13/25 21:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:36	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:36	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	03/09/25 07:45	03/18/25 13:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:36	7440-43-9	
Calcium	**141**	mg/L	10.0	1.0	10	03/09/25 07:45	03/18/25 13:48	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:36	7440-48-4	
Iron	**1.6**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:36	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:36	7439-92-1	
Magnesium	**28.2**	mg/L	0.050	0.010	1	03/09/25 07:45	03/13/25 19:36	7439-95-4	
Manganese	**0.016J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:36	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:36	7439-98-7	
Potassium	**3.1**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:36	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:36	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-PZ-7 **Lab ID: 92778538038** Collected: 02/07/25 10:16 Received: 02/11/25 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**22.6**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:36	7440-23-5	
Thallium	**0.00020J**	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:36	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-32 **Lab ID: 92778538039** Collected: 02/12/25 11:10 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:00	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:35	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**196**	mg/L	5.0	5.0	1		02/22/25 00:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/25 00:10		
Alkalinity, Total as CaCO3	**196**	mg/L	5.0	5.0	1		02/22/25 00:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**700**	mg/L	50.0	50.0	1		02/18/25 18:07		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:19	18496-25-8	R1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**148**	mg/L	4.0	2.4	4		02/16/25 03:49	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		02/15/25 15:09	16984-48-8	
Sulfate	**134**	mg/L	4.0	2.0	4		02/16/25 03:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 19:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:43	7440-38-2	
Barium	**0.085**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 19:43	7440-41-7	
Boron	**0.86**	mg/L	0.40	0.062	10	03/09/25 07:45	03/18/25 13:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 19:43	7440-43-9	
Calcium	**133**	mg/L	10.0	1.0	10	03/09/25 07:45	03/18/25 13:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:43	7440-47-3	
Cobalt	**0.0032J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:43	7440-48-4	
Iron	**1.7**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 19:43	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 19:43	7439-92-1	
Magnesium	**59.0**	mg/L	0.50	0.10	10	03/09/25 07:45	03/18/25 13:57	7439-95-4	
Manganese	**0.044**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 19:43	7439-96-5	
Molybdenum	**0.0042J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 19:43	7439-98-7	
Potassium	**2.0**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 19:43	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 19:43	7782-49-2	

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(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-32 **Lab ID: 92778538039** Collected: 02/12/25 11:10 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.3**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 19:43	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 19:43	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-41D **Lab ID: 92778538040** Collected: 02/12/25 13:15 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00169J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:03	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:37	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**114**	mg/L	5.0	5.0	1		02/22/25 00:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/25 00:27		
Alkalinity, Total as CaCO3	**114**	mg/L	5.0	5.0	1		02/22/25 00:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1370**	mg/L	50.0	50.0	1		02/18/25 18:07		2g
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:21	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**369**	mg/L	9.0	5.4	9		02/16/25 04:05	16887-00-6	
Fluoride	**0.077J**	mg/L	0.10	0.050	1		02/15/25 15:41	16984-48-8	
Sulfate	**296**	mg/L	9.0	4.5	9		02/16/25 04:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 07:45	03/13/25 20:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 20:02	7440-38-2	
Barium	**0.078**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 20:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 07:45	03/13/25 20:02	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	03/09/25 07:45	03/18/25 14:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 07:45	03/13/25 20:02	7440-43-9	
Calcium	**260**	mg/L	10.0	1.0	10	03/09/25 07:45	03/18/25 14:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 20:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 20:02	7440-48-4	
Iron	**3.5**	mg/L	0.040	0.012	1	03/09/25 07:45	03/13/25 20:02	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 07:45	03/13/25 20:02	7439-92-1	
Magnesium	**109**	mg/L	0.50	0.10	10	03/09/25 07:45	03/18/25 14:06	7439-95-4	
Manganese	**0.024J**	mg/L	0.040	0.0012	1	03/09/25 07:45	03/13/25 20:02	7439-96-5	
Molybdenum	**0.0070J**	mg/L	0.010	0.0025	1	03/09/25 07:45	03/13/25 20:02	7439-98-7	
Potassium	**1.2**	mg/L	0.50	0.10	1	03/09/25 07:45	03/13/25 20:02	7440-09-7	
Selenium	**0.0016J**	mg/L	0.0050	0.0012	1	03/09/25 07:45	03/13/25 20:02	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-41D **Lab ID: 92778538040** Collected: 02/12/25 13:15 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**23.2**	mg/L	1.0	0.15	1	03/09/25 07:45	03/13/25 20:02	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 07:45	03/13/25 20:02	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-53D **Lab ID: 92778538041** Collected: 02/12/25 13:32 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00115J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:07	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:40	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**128**	mg/L	5.0	5.0	1		02/22/25 00:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/25 00:36		
Alkalinity, Total as CaCO3	**128**	mg/L	5.0	5.0	1		02/22/25 00:36		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1070**	mg/L	50.0	50.0	1		02/18/25 18:07		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:21	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**41.4**	mg/L	1.0	0.60	1		02/15/25 15:57	16887-00-6	
Fluoride	**0.076J**	mg/L	0.10	0.050	1		02/15/25 15:57	16984-48-8	
Sulfate	**453**	mg/L	11.0	5.5	11		02/16/25 04:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 11:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 11:47	7440-38-2	
Barium	**0.061**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 11:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 11:47	7440-41-7	
Boron	**3.2**	mg/L	0.80	0.12	20	03/09/25 08:20	03/18/25 16:31	7440-42-8	M1
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 11:47	7440-43-9	
Calcium	**198**	mg/L	20.0	2.0	20	03/09/25 08:20	03/18/25 16:03	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 11:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 11:47	7440-48-4	
Iron	**2.4**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 11:47	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 11:47	7439-92-1	
Magnesium	**45.6**	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 11:47	7439-95-4	M1
Manganese	**0.31**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 11:47	7439-96-5	
Molybdenum	**0.0028J**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 11:47	7439-98-7	
Potassium	**5.3**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 11:47	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 11:47	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-53D **Lab ID: 92778538041** Collected: 02/12/25 13:32 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**66.1**	mg/L	20.0	3.0	20	03/09/25 08:20	03/18/25 16:03	7440-23-5	M1
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 11:47	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-05 **Lab ID: 92778538042** Collected: 02/12/25 00:00 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00174J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:10	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:46	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**116**	mg/L	5.0	5.0	1		02/22/25 01:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/25 01:00		
Alkalinity, Total as CaCO3	**116**	mg/L	5.0	5.0	1		02/22/25 01:00		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1410**	mg/L	50.0	50.0	1		02/18/25 18:07		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:22	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**369**	mg/L	9.0	5.4	9		02/16/25 04:36	16887-00-6	
Fluoride	**0.077J**	mg/L	0.10	0.050	1		02/15/25 16:12	16984-48-8	
Sulfate	**296**	mg/L	9.0	4.5	9		02/16/25 04:36	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00054J**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 12:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:24	7440-38-2	
Barium	**0.077**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 12:24	7440-41-7	
Boron	**1.7**	mg/L	0.80	0.12	20	03/09/25 08:20	03/18/25 17:17	7440-42-8	M1
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 12:24	7440-43-9	
Calcium	**272**	mg/L	20.0	2.0	20	03/09/25 08:20	03/18/25 16:29	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:24	7440-48-4	
Iron	**3.7**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 12:24	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 12:24	7439-92-1	
Magnesium	**131**	mg/L	1.0	0.20	20	03/09/25 08:20	03/18/25 16:29	7439-95-4	M1
Manganese	**0.025J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 12:24	7439-96-5	
Molybdenum	**0.0082J**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 12:24	7439-98-7	
Potassium	**1.3**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 12:24	7440-09-7	
Selenium	**0.0021J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:24	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-05 **Lab ID: 92778538042** Collected: 02/12/25 00:00 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**25.7**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 12:24	7440-23-5	M1
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 12:24	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-22 **Lab ID: 92778538043** Collected: 02/13/25 11:39 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0140J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:13	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:48	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**156**	mg/L	5.0	5.0	1		02/24/25 20:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 20:38		
Alkalinity, Total as CaCO3	**156**	mg/L	5.0	5.0	1		02/24/25 20:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1670**	mg/L	50.0	50.0	1		02/18/25 17:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**381**	mg/L	10.0	6.0	10		02/16/25 04:52	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.050	1		02/15/25 16:28	16984-48-8	
Sulfate	**356**	mg/L	10.0	5.0	10		02/16/25 04:52	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00085J**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 12:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:50	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 12:50	7440-41-7	
Boron	**13.2**	mg/L	2.0	0.31	50	03/09/25 08:20	03/18/25 17:05	7440-42-8	
Cadmium	**0.0013**	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 12:50	7440-43-9	
Calcium	**427**	mg/L	50.0	5.0	50	03/09/25 08:20	03/18/25 17:05	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:50	7440-47-3	
Cobalt	**0.011**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:50	7440-48-4	
Iron	**4.8**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 12:50	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 12:50	7439-92-1	
Magnesium	**66.8**	mg/L	2.5	0.50	50	03/09/25 08:20	03/18/25 17:05	7439-95-4	
Manganese	**2.7**	mg/L	2.0	0.062	50	03/09/25 08:20	03/18/25 17:05	7439-96-5	
Molybdenum	**0.040**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 12:50	7439-98-7	
Potassium	**11.6**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 12:50	7440-09-7	
Selenium	**0.0020J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:50	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-22 **Lab ID: 92778538043** Collected: 02/13/25 11:39 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**32.0**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 12:50	7440-23-5	
Thallium	**0.0011**	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 12:50	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-05 **Lab ID: 92778538044** Collected: 02/13/25 14:11 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:23	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:50	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 20:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 20:57		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/24/25 20:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/25 12:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/15/25 11:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/25 11:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/15/25 11:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 12:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:55	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 12:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 08:20	03/18/25 18:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 12:55	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 08:20	03/18/25 12:55	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:55	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 12:55	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 12:55	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 12:55	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 12:55	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 12:55	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 12:55	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 12:55	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-05 **Lab ID: 92778538044** Collected: 02/13/25 14:11 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 12:55	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 12:55	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-05 **Lab ID: 92778538045** Collected: 02/13/25 14:21 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:26	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/15/25 19:39	02/16/25 14:52	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:00		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/24/25 21:00		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/25 12:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/15/25 11:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/25 11:59	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/15/25 11:59	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:01	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 08:20	03/18/25 18:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:01	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 08:20	03/18/25 13:01	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:01	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:01	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:01	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 13:01	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:01	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:01	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:01	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:01	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-05 **Lab ID: 92778538045** Collected: 02/13/25 14:21 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:01	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:01	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-23 **Lab ID: 92778538046** Collected: 02/11/25 14:35 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0128J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:30	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 16:59	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**228**	mg/L	5.0	5.0	1		02/20/25 22:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 22:02		
Alkalinity, Total as CaCO3	**228**	mg/L	5.0	5.0	1		02/20/25 22:02		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1300**	mg/L	125	125	1		02/17/25 15:56		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.20**	mg/L	0.10	0.022	1		02/15/25 02:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**277**	mg/L	7.0	4.2	7		02/16/25 05:07	16887-00-6	M1
Fluoride	**0.056J**	mg/L	0.10	0.050	1		02/15/25 16:44	16984-48-8	M1
Sulfate	**218**	mg/L	7.0	3.5	7		02/16/25 05:07	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0031**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:06	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:06	7440-41-7	
Boron	**6.7**	mg/L	0.80	0.12	20	03/09/25 08:20	03/18/25 17:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:06	7440-43-9	
Calcium	**280**	mg/L	20.0	2.0	20	03/09/25 08:20	03/18/25 17:10	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:06	7440-48-4	
Iron	**3.5**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:06	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:06	7439-92-1	
Magnesium	**81.6**	mg/L	1.0	0.20	20	03/09/25 08:20	03/18/25 17:10	7439-95-4	
Manganese	**0.16**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:06	7439-96-5	
Molybdenum	**0.0055J**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:06	7439-98-7	
Potassium	**5.6**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:06	7440-09-7	
Selenium	**0.0015J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:06	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-23 **Lab ID: 92778538046** Collected: 02/11/25 14:35 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**20.2**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:06	7440-23-5	
Thallium	**0.00038J**	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:06	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-24 **Lab ID: 92778538047** Collected: 02/11/25 11:30 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00445J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:33	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	**0.00085**	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:09	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**170**	mg/L	5.0	5.0	1		02/20/25 22:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 22:11		
Alkalinity, Total as CaCO3	**170**	mg/L	5.0	5.0	1		02/20/25 22:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1500**	mg/L	125	125	1		02/17/25 15:56		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.023J**	mg/L	0.10	0.022	1		02/15/25 02:15	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**352**	mg/L	9.0	5.4	9		02/16/25 06:26	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.050	1		02/15/25 18:03	16984-48-8	
Sulfate	**229**	mg/L	9.0	4.5	9		02/16/25 06:26	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0032**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:22	7440-38-2	
Barium	**0.041**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:22	7440-39-3	
Beryllium	**0.00027J**	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:22	7440-41-7	
Boron	**12.5**	mg/L	2.0	0.31	50	03/09/25 08:20	03/18/25 17:15	7440-42-8	
Cadmium	**0.0017**	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:22	7440-43-9	
Calcium	**377**	mg/L	50.0	5.0	50	03/09/25 08:20	03/18/25 17:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:22	7440-47-3	
Cobalt	**0.0027J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:22	7440-48-4	
Iron	**4.2**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:22	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:22	7439-92-1	
Magnesium	**48.6**	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 13:22	7439-95-4	
Manganese	**1.9J**	mg/L	2.0	0.062	50	03/09/25 08:20	03/18/25 17:15	7439-96-5	ED
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:22	7439-98-7	
Potassium	**6.6**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:22	7440-09-7	
Selenium	**0.0070**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:22	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-24 **Lab ID: 92778538047** Collected: 02/11/25 11:30 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**15.4**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:22	7440-23-5	
Thallium	**0.00020J**	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:22	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-35D **Lab ID: 92778538048** Collected: 02/11/25 12:34 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0175J**	mg/L	0.0300	0.000600	1	03/18/25 13:59	03/18/25 19:36	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:15	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**102**	mg/L	5.0	5.0	1		02/20/25 11:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 11:49		
Alkalinity, Total as CaCO3	**102**	mg/L	5.0	5.0	1		02/20/25 11:49		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2210**	mg/L	125	125	1		02/17/25 15:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:15	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**474**	mg/L	100	60.0	100		02/16/25 06:41	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.050	1		02/15/25 18:19	16984-48-8	
Sulfate	**298**	mg/L	100	50.0	100		02/16/25 06:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00086J**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:27	7440-36-0	
Arsenic	**0.0038J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:27	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:27	7440-41-7	
Boron	**12.0**	mg/L	2.0	0.31	50	03/09/25 08:20	03/18/25 17:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:27	7440-43-9	
Calcium	**554**	mg/L	50.0	5.0	50	03/09/25 08:20	03/18/25 17:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:27	7440-47-3	
Cobalt	**0.0019J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:27	7440-48-4	
Iron	**8.8**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:27	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:27	7439-92-1	
Magnesium	**128**	mg/L	2.5	0.50	50	03/09/25 08:20	03/18/25 17:20	7439-95-4	
Manganese	**0.44**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:27	7439-96-5	
Molybdenum	**0.028**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:27	7439-98-7	
Potassium	**8.7**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:27	7440-09-7	
Selenium	**0.0034J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:27	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-35D **Lab ID: 92778538048** Collected: 02/11/25 12:34 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**35.7**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:27	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:27	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-37D **Lab ID: 92778538049** Collected: 02/11/25 14:58 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00218J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 11:35	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:17	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**166**	mg/L	5.0	5.0	1		02/20/25 12:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 12:10		
Alkalinity, Total as CaCO3	**166**	mg/L	5.0	5.0	1		02/20/25 12:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**650**	mg/L	50.0	50.0	1		02/17/25 15:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.044J**	mg/L	0.10	0.022	1		02/15/25 02:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**136**	mg/L	3.0	1.8	3		02/16/25 06:57	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.050	1		02/15/25 18:35	16984-48-8	
Sulfate	**116**	mg/L	3.0	1.5	3		02/16/25 06:57	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0020J**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:32	7440-36-0	
Arsenic	**0.0041J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:32	7440-38-2	
Barium	**0.079**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:32	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	03/09/25 08:20	03/18/25 17:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:32	7440-43-9	
Calcium	**124**	mg/L	10.0	1.0	10	03/09/25 08:20	03/18/25 17:26	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:32	7440-48-4	
Iron	**2.6**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:32	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:32	7439-92-1	
Magnesium	**52.4**	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 13:32	7439-95-4	
Manganese	**0.029J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:32	7439-96-5	
Molybdenum	**0.020**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:32	7439-98-7	
Potassium	**1.8**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:32	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:32	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-37D **Lab ID: 92778538049** Collected: 02/11/25 14:58 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.1**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:32	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:32	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-38D **Lab ID: 92778538050** Collected: 02/11/25 10:46 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00750J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 11:57	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:19	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**128**	mg/L	5.0	5.0	1		02/20/25 12:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 12:36		
Alkalinity, Total as CaCO3	**128**	mg/L	5.0	5.0	1		02/20/25 12:36		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1010**	mg/L	50.0	50.0	1		02/17/25 15:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**258**	mg/L	6.0	3.6	6		02/16/25 07:12	16887-00-6	
Fluoride	**0.61**	mg/L	0.10	0.050	1		02/15/25 18:51	16984-48-8	
Sulfate	**159**	mg/L	6.0	3.0	6		02/16/25 07:12	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0010J**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:37	7440-38-2	
Barium	**0.085**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:37	7440-41-7	
Boron	**10**	mg/L	2.0	0.31	50	03/09/25 08:20	03/18/25 17:31	7440-42-8	
Cadmium	**0.00044J**	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:37	7440-43-9	
Calcium	**236**	mg/L	50.0	5.0	50	03/09/25 08:20	03/18/25 17:31	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:37	7440-47-3	
Cobalt	**0.0018J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:37	7440-48-4	
Iron	**2.8**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:37	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:37	7439-92-1	
Magnesium	**52.8**	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 13:37	7439-95-4	
Manganese	**0.44**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:37	7439-96-5	
Molybdenum	**0.098**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:37	7439-98-7	
Potassium	**4.4**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:37	7440-09-7	
Selenium	**0.0045J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:37	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-38D **Lab ID: 92778538050** Collected: 02/11/25 10:46 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**17.4**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:37	7440-23-5	
Thallium	**0.0013**	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:37	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-42D **Lab ID: 92778538051** Collected: 02/11/25 16:25 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00193J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:00	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:21	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**205**	mg/L	5.0	5.0	1		02/20/25 12:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 12:53		
Alkalinity, Total as CaCO3	**205**	mg/L	5.0	5.0	1		02/20/25 12:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**470**	mg/L	50.0	50.0	1		02/17/25 15:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**3.4**	mg/L	1.0	0.22	10		02/15/25 02:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**68.0**	mg/L	1.0	0.60	1		02/15/25 19:07	16887-00-6	
Fluoride	**0.56**	mg/L	0.10	0.050	1		02/15/25 19:07	16984-48-8	
Sulfate	**102**	mg/L	2.0	1.0	2		02/16/25 07:28	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:43	7440-36-0	
Arsenic	**0.0019J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:43	7440-38-2	
Barium	**0.047**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:43	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	03/09/25 08:20	03/18/25 17:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:43	7440-43-9	
Calcium	**87.4**	mg/L	10.0	1.0	10	03/09/25 08:20	03/18/25 17:46	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:43	7440-48-4	
Iron	**1.4**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:43	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:43	7439-92-1	
Magnesium	**34.3**	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 13:43	7439-95-4	
Manganese	**0.022J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:43	7439-96-5	
Molybdenum	**0.010**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:43	7439-98-7	
Potassium	**1.8**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:43	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:43	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-42D **Lab ID: 92778538051** Collected: 02/11/25 16:25 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**34.9**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:43	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:43	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-43D **Lab ID: 92778538052** Collected: 02/11/25 12:34 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0172J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:03	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:23	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**110**	mg/L	5.0	5.0	1		02/20/25 13:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 13:01		
Alkalinity, Total as CaCO3	**110**	mg/L	5.0	5.0	1		02/20/25 13:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1240**	mg/L	50.0	50.0	1		02/17/25 15:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:17	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**345**	mg/L	9.0	5.4	9		02/16/25 07:43	16887-00-6	
Fluoride	**0.89**	mg/L	0.10	0.050	1		02/15/25 19:23	16984-48-8	
Sulfate	**238**	mg/L	9.0	4.5	9		02/16/25 07:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:48	7440-38-2	
Barium	**0.057**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:48	7440-41-7	
Boron	**11.9**	mg/L	2.0	0.31	50	03/09/25 08:20	03/18/25 17:52	7440-42-8	
Cadmium	**0.00043J**	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:48	7440-43-9	
Calcium	**316**	mg/L	50.0	5.0	50	03/09/25 08:20	03/18/25 17:52	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:48	7440-47-3	
Cobalt	**0.0026J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:48	7440-48-4	
Iron	**3.7**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:48	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:48	7439-92-1	
Magnesium	**67.8**	mg/L	2.5	0.50	50	03/09/25 08:20	03/18/25 17:52	7439-95-4	
Manganese	**1.2J**	mg/L	2.0	0.062	50	03/09/25 08:20	03/18/25 17:52	7439-96-5	ED
Molybdenum	**0.14**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:48	7439-98-7	
Potassium	**5.4**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:48	7440-09-7	
Selenium	**0.0019J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:48	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-43D **Lab ID: 92778538052** Collected: 02/11/25 12:34 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**18.8**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:48	7440-23-5	
Thallium	**0.0024**	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:48	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-04 **Lab ID: 92778538053** Collected: 02/11/25 00:00 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00220J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:25	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:29	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**156**	mg/L	5.0	5.0	1		02/20/25 13:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 13:10		
Alkalinity, Total as CaCO3	**156**	mg/L	5.0	5.0	1		02/20/25 13:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**662**	mg/L	50.0	50.0	1		02/17/25 15:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.051J**	mg/L	0.10	0.022	1		02/15/25 02:18	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**136**	mg/L	3.0	1.8	3		02/16/25 07:59	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.050	1		02/15/25 19:38	16984-48-8	
Sulfate	**123**	mg/L	3.0	1.5	3		02/16/25 07:59	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0022J**	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:53	7440-36-0	
Arsenic	**0.0042J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:53	7440-38-2	
Barium	**0.081**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:53	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	03/09/25 08:20	03/18/25 17:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:53	7440-43-9	
Calcium	**130**	mg/L	10.0	1.0	10	03/09/25 08:20	03/18/25 17:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:53	7440-48-4	
Iron	**2.6**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:53	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:53	7439-92-1	
Magnesium	**55.0**	mg/L	0.50	0.10	10	03/09/25 08:20	03/18/25 17:57	7439-95-4	
Manganese	**0.030J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:53	7439-96-5	
Molybdenum	**0.020**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:53	7439-98-7	
Potassium	**1.8**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:53	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:53	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FD-04 **Lab ID: 92778538053** Collected: 02/11/25 00:00 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.5**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:53	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:53	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-04 **Lab ID: 92778538054** Collected: 02/11/25 16:24 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:28	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:32	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 13:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 13:20		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/20/25 13:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/17/25 15:59		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:18	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/15/25 12:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/25 12:15	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/15/25 12:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 13:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:58	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 13:58	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 08:20	03/18/25 20:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 13:58	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 08:20	03/18/25 13:58	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:58	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 13:58	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 13:58	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 13:58	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 13:58	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 13:58	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 13:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 13:58	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-FB-04 **Lab ID: 92778538054** Collected: 02/11/25 16:24 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 13:58	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 13:58	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-04 **Lab ID: 92778538055** Collected: 02/11/25 16:41 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:31	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 12:52	02/18/25 17:34	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 13:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 13:24		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/20/25 13:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/17/25 15:59		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/15/25 02:19	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/15/25 12:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/25 12:31	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/15/25 12:31	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 14:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:03	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 14:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/09/25 08:20	03/18/25 20:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 14:03	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/09/25 08:20	03/18/25 14:03	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:03	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 14:03	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 14:03	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 14:03	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 14:03	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 14:03	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 14:03	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:03	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-AP1-EB-04 **Lab ID: 92778538055** Collected: 02/11/25 16:41 Received: 02/14/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	ND	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 14:03	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 14:03	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-39 **Lab ID: 92778538056** Collected: 02/18/25 13:13 Received: 02/21/25 11:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00244J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:35	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/26/25 17:37	02/27/25 12:45	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**189**	mg/L	5.0	5.0	1		02/28/25 14:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 14:07		
Alkalinity, Total as CaCO3	**189**	mg/L	5.0	5.0	1		02/28/25 14:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**550**	mg/L	25.0	25.0	1		02/25/25 12:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/25/25 02:33	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**83.6**	mg/L	1.0	0.60	1		02/22/25 19:53	16887-00-6	M1
Fluoride	**0.081J**	mg/L	0.10	0.050	1		02/22/25 19:53	16984-48-8	
Sulfate	**105**	mg/L	2.0	1.0	2		02/23/25 04:33	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/09/25 08:20	03/18/25 14:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:09	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/18/25 14:09	7440-41-7	
Boron	**3.5**	mg/L	0.80	0.12	20	03/09/25 08:20	03/18/25 18:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/18/25 14:09	7440-43-9	
Calcium	**135**	mg/L	20.0	2.0	20	03/09/25 08:20	03/18/25 18:02	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:09	7440-48-4	
Iron	**1.6**	mg/L	0.040	0.012	1	03/09/25 08:20	03/18/25 14:09	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/18/25 14:09	7439-92-1	
Magnesium	**22.3**	mg/L	0.050	0.010	1	03/09/25 08:20	03/18/25 14:09	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 08:20	03/18/25 14:09	7439-96-5	
Molybdenum	**0.0035J**	mg/L	0.010	0.0025	1	03/09/25 08:20	03/18/25 14:09	7439-98-7	
Potassium	**4.7**	mg/L	0.50	0.10	1	03/09/25 08:20	03/18/25 14:09	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/18/25 14:09	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Sample: BOW-BGWC-39 **Lab ID: 92778538056** Collected: 02/18/25 13:13 Received: 02/21/25 11:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**8.7**	mg/L	1.0	0.15	1	03/09/25 08:20	03/18/25 14:09	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/18/25 14:09	7440-28-0	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 2469152
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008

METHOD BLANK: R4188713-1 Matrix: Water
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/20/25 01:11	

LABORATORY CONTROL SAMPLE: R4188713-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0487	97.4	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4188713-4 R4188713-5

Parameter	Units	L1835726-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0257	0.0500	0.0500	0.0725	0.0730	93.7	94.7	75.0-125	0.668	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 2469154
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538022, 92778538023, 92778538024, 92778538025, 92778538026, 92778538027, 92778538028

METHOD BLANK: R4187917-1 Matrix: Water
Associated Lab Samples: 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538022, 92778538023, 92778538024, 92778538025, 92778538026, 92778538027, 92778538028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/18/25 19:54	

LABORATORY CONTROL SAMPLE: R4187917-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0462	92.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4187917-4 R4187917-5

Parameter	Units	92778538009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0453	0.0464	90.6	92.7	75.0-125	2.31	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 2469155
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038, 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048

METHOD BLANK: R4187895-1 Matrix: Water
Associated Lab Samples: 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038, 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/18/25 18:01	

LABORATORY CONTROL SAMPLE: R4187895-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0454	90.7	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4187895-4 R4187895-5

Parameter	Units	92778538029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0462	0.0465	92.4	93.0	75.0-125	0.572	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 2469158
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055, 92778538056

METHOD BLANK: R4188214-1 Matrix: Water
Associated Lab Samples: 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055, 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/19/25 11:29	

LABORATORY CONTROL SAMPLE: R4188214-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0447	89.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4188214-4 R4188214-5

Parameter	Units	92778538049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00218	0.0500	0.0500	0.0484	0.0497	92.3	95.0	75.0-125	2.69	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915230
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538001

METHOD BLANK: 4703986 Matrix: Water
Associated Lab Samples: 92778538001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/12/25 17:25	

LABORATORY CONTROL SAMPLE: 4703987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4703988 4703989

Parameter	Units	92778571001 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	ND	ND	1	0	75-125		25	M1

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915726
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015

METHOD BLANK: 4706378 Matrix: Water
Associated Lab Samples: 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/13/25 11:48	

LABORATORY CONTROL SAMPLE: 4706379

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: 4706380 4706381

Parameter	Units	92778538002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0025	105	98	75-125	6	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916335
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538023, 92778538024, 92778538025, 92778538026, 92778538027, 92778538028, 92778538029

METHOD BLANK: 4709423 Matrix: Water
Associated Lab Samples: 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538023, 92778538024, 92778538025, 92778538026, 92778538027, 92778538028, 92778538029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/15/25 16:27	

LABORATORY CONTROL SAMPLE: 4709424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4709425 4709426

Parameter	Units	92778538016 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	0.0025	0.0026	100	103	75-125	3	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916532
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038, 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045

METHOD BLANK: 4710628 Matrix: Water
Associated Lab Samples: 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038, 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/16/25 13:56	

LABORATORY CONTROL SAMPLE: 4710629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710630 4710631

Parameter	Units	92778538030 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	0.0025	0.0025	100	99	75-125	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916560
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538022, 92778538046

METHOD BLANK: 4710690 Matrix: Water
Associated Lab Samples: 92778538022, 92778538046

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/18/25 16:07	

LABORATORY CONTROL SAMPLE: 4710691

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710692 4710693

Parameter	Units	92779260001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0025	102	101	75-125	2	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916561
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

METHOD BLANK: 4710694 Matrix: Water
Associated Lab Samples: 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/18/25 17:05	

LABORATORY CONTROL SAMPLE: 4710695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710696 4710697

Parameter	Units	92778538047 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00085	0.0025	0.0025	0.0033	0.0032	99	96	75-125	2	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 918605
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538056

METHOD BLANK: 4720728 Matrix: Water
Associated Lab Samples: 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/27/25 12:32	

LABORATORY CONTROL SAMPLE: 4720729

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720730 4720731

Parameter	Units	92781010050 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	0.0036	0.0032	136	119	75-125	12	25	M1

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915311 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015

METHOD BLANK: 4704381 Matrix: Water
Associated Lab Samples: 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/12/25 01:07	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/12/25 01:07	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/12/25 01:07	

LABORATORY CONTROL SAMPLE: 4704382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.7	103	80-120	

LABORATORY CONTROL SAMPLE: 4704383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4704384 4704385

Parameter	Units	92777348004 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	959	50	50	983	965	47	13	80-120	2	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4704386 4704387

Parameter	Units	92778538010 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	285	50	50	329	330	89	91	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915793
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538016, 92778538017

METHOD BLANK: 4706798 Matrix: Water
Associated Lab Samples: 92778538016, 92778538017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/13/25 13:22	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/13/25 13:22	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/13/25 13:22	

LABORATORY CONTROL SAMPLE: 4706799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4706800

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: 4706801 4706802

Parameter	Units	92779002001 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	3030	50	50	3060	3070	67	89	80-120	0	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706803 4706804

Parameter	Units	92778963001 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	50.1	50	50	99.8	99.1	99	98	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915796
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538018, 92778538019, 92778538020, 92778538021, 92778538022

METHOD BLANK: 4706820 Matrix: Water
Associated Lab Samples: 92778538018, 92778538019, 92778538020, 92778538021, 92778538022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/13/25 17:33	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/13/25 17:33	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/13/25 17:33	

LABORATORY CONTROL SAMPLE: 4706821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

LABORATORY CONTROL SAMPLE: 4706822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706823 4706824

Parameter	Units	92778538018 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	308	50	50	358	369	99	122	80-120	3	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706825 4706826

Parameter	Units	92778538019 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	203	50	50	246	246	87	86	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916005
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538023, 92778538024

METHOD BLANK: 4707733 Matrix: Water
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538023, 92778538024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/14/25 13:31	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/14/25 13:31	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/14/25 13:31	

LABORATORY CONTROL SAMPLE: 4707734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4707735

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: 4707736 4707737

Parameter	Units	92778538023 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	161	50	50	208	205	92	86	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4707738 4707739

Parameter	Units	92778538024 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	96.0	50	50	141	140	90	88	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916362
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

METHOD BLANK: 4709562 Matrix: Water
Associated Lab Samples: 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/14/25 15:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/14/25 15:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/14/25 15:06	

LABORATORY CONTROL SAMPLE: 4709563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.9	104	80-120	

LABORATORY CONTROL SAMPLE: 4709564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4709565 4709566

Parameter	Units	92778541001 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	ND	50	50	51.6	51.6	103	103	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4709567 4709568

Parameter	Units	92778526001 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	134	50	50	187	196	106	123	80-120	4	25	M1

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917189
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028

METHOD BLANK: 4713585 Matrix: Water
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/19/25 19:35	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/19/25 19:35	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/19/25 19:35	

LABORATORY CONTROL SAMPLE: 4713586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.3	105	80-120	

LABORATORY CONTROL SAMPLE: 4713587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713588 4713589

Parameter	Units	92778785011 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	61.0	50	50	113	110	103	98	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713591 4713592

Parameter	Units	92778785012 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	9.5	50	50	61.7	61.9	104	105	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917430 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538029, 92778538030, 92778538031, 92778538032, 92778538033

METHOD BLANK: 4715260 Matrix: Water
Associated Lab Samples: 92778538029, 92778538030, 92778538031, 92778538032, 92778538033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/20/25 15:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 15:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 15:19	

LABORATORY CONTROL SAMPLE: 4715261

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: 4715262

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: 4715263 4715264

Parameter	Units	92778538029 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	233	50	50	276	282	86	98	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715265 4715266

Parameter	Units	92778538030 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	103	50	50	152	153	99	101	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917434
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538046, 92778538047

METHOD BLANK: 4715275 Matrix: Water
Associated Lab Samples: 92778538046, 92778538047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/20/25 18:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 18:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 18:38	

LABORATORY CONTROL SAMPLE: 4715276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.2	94	80-120	

LABORATORY CONTROL SAMPLE: 4715277

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: 4715278 4715279

Parameter	Units	92779138010 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	71.0	50	50	119	118	95	94	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715280 4715281

Parameter	Units	92779138011 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	188	50	50	222	245	68	114	80-120	10	25	M1

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917443
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

METHOD BLANK: 4715340 Matrix: Water
Associated Lab Samples: 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/20/25 11:31	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 11:31	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 11:31	

LABORATORY CONTROL SAMPLE: 4715341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4715342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715343 4715344

Parameter	Units	92778538048 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	102	50	50	148	148	91	92	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715345 4715346

Parameter	Units	92778538049 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	166	50	50	208	211	83	90	80-120	2	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917727
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042

METHOD BLANK: 4716750 Matrix: Water
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/25 21:41	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/25 21:41	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/25 21:41	

LABORATORY CONTROL SAMPLE: 4716751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4716752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716753 4716754

Parameter	Units	92778538041 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	128	50	50	177	182	99	109	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716755 4716756

Parameter	Units	92778538042 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	116	50	50	159	159	86	87	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 918109
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538043, 92778538044, 92778538045

METHOD BLANK: 4718509 Matrix: Water
Associated Lab Samples: 92778538043, 92778538044, 92778538045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/24/25 19:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/25 19:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/25 19:40	

LABORATORY CONTROL SAMPLE: 4718510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 4718511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718512 4718513

Parameter	Units	92779769001 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	75.8	50	50	124	123	96	95	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718514 4718515

Parameter	Units	92779769002 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	65.5	50	50	114	114	96	97	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 918962
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538056

METHOD BLANK: 4722470 Matrix: Water
Associated Lab Samples: 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/28/25 12:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/28/25 12:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/28/25 12:36	

LABORATORY CONTROL SAMPLE: 4722471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

LABORATORY CONTROL SAMPLE: 4722472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722473 4722474

Parameter	Units	92779981009 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	ND	50	50	51.2	52.0	100	101	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722475 4722476

Parameter	Units	92779981012 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	ND	50	50	50.9	51.0	99	99	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 914807 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015

METHOD BLANK: 4702382 Matrix: Water
Associated Lab Samples: 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/08/25 13:01	

LABORATORY CONTROL SAMPLE: 4702383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	251	252	101	90-110	

SAMPLE DUPLICATE: 4702384

Parameter	Units	92778494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	386	380	2	25	

SAMPLE DUPLICATE: 4702385

Parameter	Units	92778486002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	483	482	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915152 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538016, 92778538017, 92778538018, 92778538019, 92778538020

METHOD BLANK: 4703776 Matrix: Water
Associated Lab Samples: 92778538016, 92778538017, 92778538018, 92778538019, 92778538020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/11/25 12:03	

LABORATORY CONTROL SAMPLE: 4703777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	246	98	90-110	

SAMPLE DUPLICATE: 4703778

Parameter	Units	92778266001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	124	114	8	25	

SAMPLE DUPLICATE: 4703779

Parameter	Units	92778486005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	400	400	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915154
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538021, 92778538022

METHOD BLANK: 4703783 Matrix: Water
Associated Lab Samples: 92778538021, 92778538022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/11/25 12:12	

LABORATORY CONTROL SAMPLE: 4703784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	101	90-110	

SAMPLE DUPLICATE: 4703785

Parameter	Units	92778538021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	324	323	0	25	

SAMPLE DUPLICATE: 4703786

Parameter	Units	92778353003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	110	8	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915617 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538023, 92778538024

METHOD BLANK: 4705673 Matrix: Water
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538023, 92778538024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/13/25 09:51	

LABORATORY CONTROL SAMPLE: 4705674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4705675

Parameter	Units	92778508001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	16400	16400	0	25	

SAMPLE DUPLICATE: 4705676

Parameter	Units	92778538023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	321	324	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916010
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

METHOD BLANK: 4707849 Matrix: Water
Associated Lab Samples: 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/13/25 13:19	

LABORATORY CONTROL SAMPLE: 4707850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4707851

Parameter	Units	92778538034 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	442	447	1	25	

SAMPLE DUPLICATE: 4707852

Parameter	Units	92778785023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	690	688	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916188
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033

METHOD BLANK: 4708954 Matrix: Water
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/14/25 11:34	

LABORATORY CONTROL SAMPLE: 4708955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4708956

Parameter	Units	92778963006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	76.0	82.0	8	25	

SAMPLE DUPLICATE: 4708957

Parameter	Units	92778538027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	286	291	2	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916686
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

METHOD BLANK: 4711196 Matrix: Water
Associated Lab Samples: 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/17/25 15:56	

LABORATORY CONTROL SAMPLE: 4711197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4711198

Parameter	Units	92779029001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	48.0	45.0	6	25	

SAMPLE DUPLICATE: 4711199

Parameter	Units	92778538055 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917008
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042

METHOD BLANK: 4712784 Matrix: Water
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/18/25 18:05	

LABORATORY CONTROL SAMPLE: 4712785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4712786

Parameter	Units	92778909017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	722	719	0	25	

SAMPLE DUPLICATE: 4712787

Parameter	Units	92778171039 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	840	832	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917012
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538043

METHOD BLANK: 4712793 Matrix: Water
Associated Lab Samples: 92778538043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/18/25 17:54	

LABORATORY CONTROL SAMPLE: 4712794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4712795

Parameter	Units	92779374018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	341	348	2	25	

SAMPLE DUPLICATE: 4712796

Parameter	Units	92779989003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	273	273	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917320
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538044, 92778538045

METHOD BLANK: 4714776 Matrix: Water
Associated Lab Samples: 92778538044, 92778538045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/20/25 12:05	

LABORATORY CONTROL SAMPLE: 4714777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4714778

Parameter	Units	92778538044 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4714779

Parameter	Units	92779876001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	58.0	57.0	2	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 918248
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538056

METHOD BLANK: 4719177 Matrix: Water
Associated Lab Samples: 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/25/25 12:52	

LABORATORY CONTROL SAMPLE: 4719178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	252	101	90-110	

SAMPLE DUPLICATE: 4719179

Parameter	Units	92780965006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	258	241	7	25	

SAMPLE DUPLICATE: 4719180

Parameter	Units	92781214006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	424	418	1	25	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915166
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538022

METHOD BLANK: 4703814 Matrix: Water
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/11/25 05:09	

LABORATORY CONTROL SAMPLE: 4703815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4703816 4703817

Parameter	Units	92778538010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.54	99	107	80-120	7	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4703818 4703819

Parameter	Units	92778538020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.48	0.49	97	98	80-120	1	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915167
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538008, 92778538009, 92778538023, 92778538024

METHOD BLANK: 4703820 Matrix: Water
Associated Lab Samples: 92778538008, 92778538009, 92778538023, 92778538024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/11/25 05:21	

LABORATORY CONTROL SAMPLE: 4703821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4703822 4703823

Parameter	Units	92778538008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.56	0.57	112	113	80-120	1	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916195 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

METHOD BLANK: 4708968 Matrix: Water
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/14/25 06:07	

LABORATORY CONTROL SAMPLE: 4708969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.57	115	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4708970 4708971

Parameter	Units	92778538034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.50	101	101	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4708972 4708973

Parameter	Units	92778538027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.050J	0.5	0.5	0.59	0.60	108	109	80-120	1	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916460
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

METHOD BLANK: 4710441 Matrix: Water
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/15/25 02:12	

LABORATORY CONTROL SAMPLE: 4710442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710443 4710444

Parameter	Units	92778538046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.20	0.5	0.5	0.69	0.75	98	110	80-120	8	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710445 4710446

Parameter	Units	92778538039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.44	0.50	88	101	80-120	13	10	R1

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 918250
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538056

METHOD BLANK: 4719184 Matrix: Water
Associated Lab Samples: 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/25/25 02:32	

LABORATORY CONTROL SAMPLE: 4719185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.41	82	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719186 4719187

Parameter	Units	92778538056 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.55	107	110	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719197 4719198

Parameter	Units	92781037016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.58	0.58	116	116	80-120	0	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 914791
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005

METHOD BLANK: 4702331 Matrix: Water
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/08/25 13:23	
Fluoride	mg/L	ND	0.10	0.050	02/08/25 13:23	
Sulfate	mg/L	ND	1.0	0.50	02/08/25 13:23	

LABORATORY CONTROL SAMPLE: 4702332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4702333 4702334

Parameter	Units	92778013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.0	50.1	97	99	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	95	97	90-110	2	10	
Sulfate	mg/L	ND	50	50	48.9	50.0	97	99	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4702335 4702336

Parameter	Units	92778379001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.2	50	50	56.0	55.7	100	99	90-110	1	10	
Fluoride	mg/L	0.055J	2.5	2.5	2.6	2.6	101	101	90-110	0	10	
Sulfate	mg/L	0.52J	50	50	50.2	49.8	99	99	90-110	1	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 914792
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538006, 92778538007, 92778538008, 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538022, 92778538023, 92778538024

METHOD BLANK: 4702337 Matrix: Water
Associated Lab Samples: 92778538006, 92778538007, 92778538008, 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020, 92778538021, 92778538022, 92778538023, 92778538024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/08/25 21:17	
Fluoride	mg/L	ND	0.10	0.050	02/08/25 21:17	
Sulfate	mg/L	ND	1.0	0.50	02/08/25 21:17	

LABORATORY CONTROL SAMPLE: 4702338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.4	103	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	52.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4702339 4702340

Parameter	Units	92778538006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	28.7	50	50	79.0	78.0	101	99	90-110	1	10	
Fluoride	mg/L	0.055J	2.5	2.5	2.7	2.6	105	103	90-110	1	10	
Sulfate	mg/L	110	50	50	150	149	80	78	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4702341 4702342

Parameter	Units	92778538016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.4	50	50	50.5	52.0	98	101	90-110	3	10	
Fluoride	mg/L	0.073J	2.5	2.5	2.6	2.7	101	104	90-110	3	10	
Sulfate	mg/L	11.6	50	50	61.1	62.5	99	102	90-110	2	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 915779
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

METHOD BLANK: 4706710 Matrix: Water
Associated Lab Samples: 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/25 21:44	
Fluoride	mg/L	ND	0.10	0.050	02/12/25 21:44	
Sulfate	mg/L	ND	1.0	0.50	02/12/25 21:44	

LABORATORY CONTROL SAMPLE: 4706711

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706712 4706713

Parameter	Units	92779002001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.4	50	50	59.6	60.8	95	97	90-110	2	10	
Fluoride	mg/L	0.64	2.5	2.5	3.4	3.5	111	115	90-110	2	10	M1
Sulfate	mg/L	9.7	50	50	60.2	61.4	101	103	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706714 4706715

Parameter	Units	92778538032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	54.8	53.0	110	106	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.6	107	103	90-110	4	10	
Sulfate	mg/L	ND	50	50	54.7	52.5	109	105	90-110	4	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 916487
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

METHOD BLANK: 4710508 Matrix: Water
Associated Lab Samples: 92778538039, 92778538040, 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/15/25 11:11	
Fluoride	mg/L	ND	0.10	0.050	02/15/25 11:11	
Sulfate	mg/L	ND	1.0	0.50	02/15/25 11:11	

LABORATORY CONTROL SAMPLE: 4710509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710510 4710511

Parameter	Units	92779029001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.7	50	50	55.2	56.1	101	103	90-110	2	10	
Fluoride	mg/L	0.64	2.5	2.5	3.2	3.3	101	105	90-110	3	10	
Sulfate	mg/L	6.0	50	50	56.6	57.9	101	104	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710512 4710513

Parameter	Units	92778538046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	277	50	50	316	328	78	102	90-110	4	10	M1
Fluoride	mg/L	0.056J	2.5	2.5	2.9	2.9	113	116	90-110	2	10	M1
Sulfate	mg/L	218	50	50	257	268	79	100	90-110	4	10	M1

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 917916
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92778538056

METHOD BLANK: 4717826 Matrix: Water
Associated Lab Samples: 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/22/25 19:08	
Fluoride	mg/L	ND	0.10	0.050	02/22/25 19:08	
Sulfate	mg/L	ND	1.0	0.50	02/22/25 19:08	

LABORATORY CONTROL SAMPLE: 4717827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717828 4717829

Parameter	Units	92778538056 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	83.6	50	50	118	119	69	71	90-110	1	10	M1
Fluoride	mg/L	0.081J	2.5	2.5	2.4	2.4	95	94	90-110	1	10	
Sulfate	mg/L	105	50	50	146	147	82	84	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717830 4717831

Parameter	Units	92781127010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.2	50	50	51.5	51.9	98	99	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	92	93	90-110	1	10	
Sulfate	mg/L	1.1	50	50	48.0	48.5	94	95	90-110	1	10	

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 921048
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020

METHOD BLANK: 4732962
Matrix: Water
Associated Lab Samples: 92778538001, 92778538002, 92778538003, 92778538004, 92778538005, 92778538006, 92778538007, 92778538008, 92778538009, 92778538010, 92778538011, 92778538012, 92778538013, 92778538014, 92778538015, 92778538016, 92778538017, 92778538018, 92778538019, 92778538020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/13/25 02:51	
Arsenic	mg/L	ND	0.0050	0.0012	03/13/25 02:51	
Barium	mg/L	ND	0.0050	0.0012	03/13/25 02:51	
Beryllium	mg/L	ND	0.00050	0.00015	03/13/25 02:51	
Boron	mg/L	ND	0.040	0.0062	03/13/25 02:51	
Cadmium	mg/L	ND	0.00050	0.00012	03/13/25 02:51	
Calcium	mg/L	ND	1.0	0.10	03/13/25 02:51	
Chromium	mg/L	ND	0.0050	0.0012	03/13/25 02:51	
Cobalt	mg/L	ND	0.0050	0.0012	03/13/25 02:51	
Iron	mg/L	ND	0.040	0.012	03/13/25 02:51	
Lead	mg/L	ND	0.0010	0.00025	03/13/25 02:51	
Magnesium	mg/L	ND	0.050	0.010	03/13/25 02:51	
Manganese	mg/L	0.0027J	0.040	0.0012	03/13/25 02:51	BC
Molybdenum	mg/L	ND	0.010	0.0025	03/13/25 02:51	
Potassium	mg/L	ND	0.50	0.10	03/13/25 02:51	
Selenium	mg/L	ND	0.0050	0.0012	03/13/25 02:51	
Sodium	mg/L	ND	1.0	0.15	03/13/25 02:51	
Thallium	mg/L	ND	0.0010	0.00015	03/13/25 02:51	

LABORATORY CONTROL SAMPLE: 4732963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.11	107	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	0.1	0.11	106	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Calcium	mg/L	1	1.1	113	80-120	
Chromium	mg/L	0.1	0.11	112	80-120	
Cobalt	mg/L	0.1	0.11	112	80-120	
Iron	mg/L	1	1.1	111	80-120	
Lead	mg/L	0.1	0.11	115	80-120	
Magnesium	mg/L	1	1.1	112	80-120	
Manganese	mg/L	0.1	0.12	115	80-120	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

LABORATORY CONTROL SAMPLE: 4732963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum	mg/L	0.1	0.10	105	80-120	
Potassium	mg/L	1	1.1	111	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Sodium	mg/L	1	1.1	107	80-120	
Thallium	mg/L	0.1	0.11	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732964 4732965

Parameter	Units	92778538001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.11	0.11	105	107	75-125	1	20	
Barium	mg/L	0.013	0.1	0.1	0.12	0.12	106	107	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20	
Boron	mg/L	ND	0.1	0.1	0.11	0.11	105	107	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.11	0.11	106	107	75-125	1	20	
Calcium	mg/L	23.0	1	1	24.3	24.5	128	147	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	106	108	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.11	105	106	75-125	1	20	
Iron	mg/L	ND	1	1	1.1	1.1	105	107	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.11	0.11	110	111	75-125	0	20	
Magnesium	mg/L	12.1	1	1	13.0	13.3	93	119	75-125	2	20	
Manganese	mg/L	ND	0.1	0.1	0.11	0.11	107	109	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20	
Potassium	mg/L	0.71	1	1	1.8	1.8	108	112	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	0	20	
Sodium	mg/L	4.5	1	1	5.4	5.5	99	105	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.11	0.11	108	112	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732966 4732967

Parameter	Units	92778538002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.099	0.10	98	99	75-125	0	20	
Barium	mg/L	0.025	0.1	0.1	0.13	0.13	106	106	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Boron	mg/L	0.83	0.1	0.1	0.93	0.92	99	94	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Calcium	mg/L	125	1	1	124	121	-41	-349	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.098	0.10	97	99	75-125	2	20	
Iron	mg/L	0.51	1	1	1.5	1.5	100	101	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732966 4732967

Parameter	Units	92778538002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium	mg/L	40.9	1	1	41.8	40.7	90	-16	75-125	3	20	M1
Manganese	mg/L	0.034J	0.1	0.1	0.14	0.14	103	104	75-125	1	20	
Molybdenum	mg/L	0.011	0.1	0.1	0.12	0.12	106	106	75-125	0	20	
Potassium	mg/L	3.3	1	1	4.3	4.3	101	100	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	1	20	
Sodium	mg/L	15.9	1	1	16.7	16.8	77	87	75-125	1	20	
Thallium	mg/L	0.00016J	0.1	0.1	0.10	0.10	105	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 921049
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92778538021, 92778538022, 92778538023, 92778538024, 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038, 92778538039, 92778538040

METHOD BLANK: 4732968
Matrix: Water
Associated Lab Samples: 92778538021, 92778538022, 92778538023, 92778538024, 92778538025, 92778538026, 92778538027, 92778538028, 92778538029, 92778538030, 92778538031, 92778538032, 92778538033, 92778538034, 92778538035, 92778538036, 92778538037, 92778538038, 92778538039, 92778538040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/13/25 16:16	
Arsenic	mg/L	ND	0.0050	0.0012	03/13/25 16:16	
Barium	mg/L	ND	0.0050	0.0012	03/13/25 16:16	
Beryllium	mg/L	ND	0.00050	0.00015	03/13/25 16:16	
Boron	mg/L	ND	0.040	0.0062	03/17/25 11:19	
Cadmium	mg/L	ND	0.00050	0.00012	03/13/25 16:16	
Calcium	mg/L	ND	1.0	0.10	03/13/25 16:16	
Chromium	mg/L	ND	0.0050	0.0012	03/13/25 16:16	
Cobalt	mg/L	ND	0.0050	0.0012	03/13/25 16:16	
Iron	mg/L	ND	0.040	0.012	03/13/25 16:16	
Lead	mg/L	ND	0.0010	0.00025	03/13/25 16:16	
Magnesium	mg/L	ND	0.050	0.010	03/13/25 16:16	
Manganese	mg/L	ND	0.040	0.0012	03/13/25 16:16	
Molybdenum	mg/L	ND	0.010	0.0025	03/13/25 16:16	
Potassium	mg/L	ND	0.50	0.10	03/13/25 16:16	
Selenium	mg/L	ND	0.0050	0.0012	03/13/25 16:16	
Sodium	mg/L	ND	1.0	0.15	03/13/25 16:16	
Thallium	mg/L	ND	0.0010	0.00015	03/13/25 16:16	

LABORATORY CONTROL SAMPLE: 4732969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	0.1	0.10	103	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	0.93J	93	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Iron	mg/L	1	1.0	100	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

LABORATORY CONTROL SAMPLE: 4732969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum	mg/L	0.1	0.094	94	80-120	
Potassium	mg/L	1	1.0	102	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Sodium	mg/L	1	0.97J	97	80-120	
Thallium	mg/L	0.1	0.10	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732970 4732971

Parameter	Units	92778538021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	99	101	75-125	2	20	
Arsenic	mg/L	0.0038J	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Barium	mg/L	0.035	0.1	0.1	0.14	0.14	101	102	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	1	20	
Boron	mg/L	0.023J	0.1	0.1	0.13	0.13	107	107	75-125	0	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Calcium	mg/L	44.6	1	1	46.0	46.7	142	218	75-125	2	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20	
Iron	mg/L	0.76	1	1	1.8	1.8	102	102	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Magnesium	mg/L	26.9	1	1	27.3	27.3	41	44	75-125	0	20	M1
Manganese	mg/L	0.060	0.1	0.1	0.16	0.16	101	102	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	2	20	
Potassium	mg/L	1.1	1	1	2.2	2.1	107	105	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Sodium	mg/L	45.2	1	1	46.1	46.2	91	101	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.11	105	106	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732972 4732973

Parameter	Units	92778538022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20	
Arsenic	mg/L	0.0030J	0.1	0.1	0.10	0.10	98	99	75-125	0	20	
Barium	mg/L	0.047	0.1	0.1	0.15	0.15	99	100	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Boron	mg/L	0.051	0.1	0.1	0.15	0.15	103	97	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Calcium	mg/L	75.0	1	1	77.2	77.0	220	198	75-125	0	20	M1
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Iron	mg/L	2.3	1	1	3.3	3.4	100	101	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732972 4732973

Parameter	Units	92778538022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium	mg/L	29.5	1	1	30.6	31.6	110	208	75-125	3	20	M1
Manganese	mg/L	0.066	0.1	0.1	0.17	0.17	100	101	75-125	1	20	
Molybdenum	mg/L	0.0038J	0.1	0.1	0.10	0.10	98	99	75-125	1	20	
Potassium	mg/L	1.4	1	1	2.5	2.5	110	109	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Sodium	mg/L	149	1	1	153	151	347	187	75-125	1	20	M1
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

QC Batch: 921050
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055, 92778538056

METHOD BLANK: 4732974
Matrix: Water
Associated Lab Samples: 92778538041, 92778538042, 92778538043, 92778538044, 92778538045, 92778538046, 92778538047, 92778538048, 92778538049, 92778538050, 92778538051, 92778538052, 92778538053, 92778538054, 92778538055, 92778538056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/18/25 11:37	
Arsenic	mg/L	ND	0.0050	0.0012	03/18/25 11:37	
Barium	mg/L	ND	0.0050	0.0012	03/18/25 11:37	
Beryllium	mg/L	ND	0.00050	0.00015	03/18/25 11:37	
Boron	mg/L	ND	0.040	0.0062	03/18/25 11:37	
Cadmium	mg/L	ND	0.00050	0.00012	03/18/25 11:37	
Calcium	mg/L	ND	1.0	0.10	03/18/25 11:37	
Chromium	mg/L	ND	0.0050	0.0012	03/18/25 11:37	
Cobalt	mg/L	ND	0.0050	0.0012	03/18/25 11:37	
Iron	mg/L	ND	0.040	0.012	03/18/25 11:37	
Lead	mg/L	ND	0.0010	0.00025	03/18/25 11:37	
Magnesium	mg/L	ND	0.050	0.010	03/18/25 11:37	
Manganese	mg/L	ND	0.040	0.0012	03/18/25 11:37	
Molybdenum	mg/L	ND	0.010	0.0025	03/18/25 11:37	
Potassium	mg/L	ND	0.50	0.10	03/18/25 11:37	
Selenium	mg/L	ND	0.0050	0.0012	03/18/25 11:37	
Sodium	mg/L	ND	1.0	0.15	03/18/25 11:37	
Thallium	mg/L	ND	0.0010	0.00015	03/18/25 11:37	

LABORATORY CONTROL SAMPLE: 4732975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	107	80-120	
Boron	mg/L	0.1	0.096	96	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Calcium	mg/L	1	1.1	107	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.11	111	80-120	
Iron	mg/L	1	1.1	110	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Manganese	mg/L	0.1	0.10	104	80-120	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

LABORATORY CONTROL SAMPLE: 4732975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum	mg/L	0.1	0.10	104	80-120	
Potassium	mg/L	1	1.1	110	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Sodium	mg/L	1	1.1	110	80-120	
Thallium	mg/L	0.1	0.10	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732976 4732977

Parameter	Units	92778538041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	3	20	
Barium	mg/L	0.061	0.1	0.1	0.16	0.16	98	102	75-125	3	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	108	113	75-125	5	20	
Boron	mg/L	3.2	0.1	0.1	3.2	3.2	84	73	75-125	0	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20	
Calcium	mg/L	198	1	1	193	202	-422	474	75-125	5	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	106	109	75-125	3	20	
Iron	mg/L	2.4	1	1	3.4	3.4	98	107	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.097	0.10	97	101	75-125	4	20	
Magnesium	mg/L	45.6	1	1	45.1	48.1	-47	256	75-125	6	20	M1
Manganese	mg/L	0.31	0.1	0.1	0.41	0.42	96	110	75-125	3	20	
Molybdenum	mg/L	0.0028J	0.1	0.1	0.11	0.11	102	106	75-125	3	20	
Potassium	mg/L	5.3	1	1	6.2	6.3	88	104	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.11	99	105	75-125	6	20	
Sodium	mg/L	66.1	1	1	67.1	68.8	95	265	75-125	3	20	M1
Thallium	mg/L	ND	0.1	0.1	0.093	0.097	93	97	75-125	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732978 4732979

Parameter	Units	92778538042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	0.00054J	0.1	0.1	0.10	0.10	104	104	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	
Barium	mg/L	0.077	0.1	0.1	0.18	0.18	102	103	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	108	111	75-125	2	20	
Boron	mg/L	1.7	0.1	0.1	1.7	1.7	75	48	75-125	2	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20	
Calcium	mg/L	272	1	1	272	271	41	-115	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	103	105	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	108	109	75-125	1	20	
Iron	mg/L	3.7	1	1	4.7	4.7	105	106	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	3	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1
Pace Project No.: 92778538

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732978 4732979

Parameter	Units	92778538042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Magnesium	mg/L	131	1	1	126	130	-469	-97	75-125	3	20	M1
Manganese	mg/L	0.025J	0.1	0.1	0.13	0.13	101	101	75-125	0	20	
Molybdenum	mg/L	0.0082J	0.1	0.1	0.12	0.12	109	109	75-125	0	20	
Potassium	mg/L	1.3	1	1	2.3	2.3	103	101	75-125	1	20	
Selenium	mg/L	0.0021J	0.1	0.1	0.10	0.10	100	103	75-125	3	20	
Sodium	mg/L	25.7	1	1	26.3	26.8	57	101	75-125	2	20	M1
Thallium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	

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QUALIFIERS

Project: Plant Bowen AP-1
Pace Project No.: 92778538

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	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was .0008 grams.
2g	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was .0032 grams.
3g	Due to the sample matrix effect on associated internal standard a dilution was performed. The LOQ was adjusted accordingly.
4g	Thallium was detected in the instrument blank at concentration greater than half the reporting limit. The sample was found to be non-detect or J Flagged. Data has been qualified and reported.
5g	Thallium was detected in the instrument blank at concentration greater than half the reporting limit. The sample was found to be non-detect or J Flagged. Data has been qualified and reported.
B	Analyte was detected in the associated method blank.
BC	The same analyte was detected in an associated blank at a concentration above 1/2 the reporting limit but below the laboratory reporting limit.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538001	**BOW-BGWA-29**	3015	2469152	EPA 6020B	2469152
92778538002	**BOW-BGWC-7**	3015	2469152	EPA 6020B	2469152
92778538003	**BOW-BGWC-10**	3015	2469152	EPA 6020B	2469152
92778538004	**BOW-BGWC-16**	3015	2469152	EPA 6020B	2469152
92778538005	**BOW-BGWC-20**	3015	2469152	EPA 6020B	2469152
92778538006	**BOW-BGWC-31**	3015	2469152	EPA 6020B	2469152
92778538007	**BOW-BGWC-34D**	3015	2469152	EPA 6020B	2469152
92778538008	**BOW-AP1-FB-02**	3015	2469152	EPA 6020B	2469152
92778538009	**BOW-AP1-EB-02**	3015	2469154	EPA 6020B	2469154
92778538010	**BOW-BGWA-47D**	3015	2469154	EPA 6020B	2469154
92778538011	**BOW-BGWA-48D**	3015	2469154	EPA 6020B	2469154
92778538012	**BOW-BGWA-6**	3015	2469154	EPA 6020B	2469154
92778538013	**BOW-AP1-FD-01**	3015	2469154	EPA 6020B	2469154
92778538014	**BOW-AP1-FB-01**	3015	2469154	EPA 6020B	2469154
92778538015	**BOW-AP1-EB-01**	3015	2469154	EPA 6020B	2469154
92778538016	**BOW-BGWC-8**	3015	2469154	EPA 6020B	2469154
92778538017	**BOW-BGWC-9**	3015	2469154	EPA 6020B	2469154
92778538018	**BOW-BGWC-12**	3015	2469154	EPA 6020B	2469154
92778538019	**BOW-BGWC-14A**	3015	2469154	EPA 6020B	2469154
92778538020	**BOW-BGWC-36D**	3015	2469154	EPA 6020B	2469154
92778538021	**BOW-BGWC-44D**	3015	2469154	EPA 6020B	2469154
92778538022	**BOW-BGWC-50D**	3015	2469154	EPA 6020B	2469154
92778538023	**BOW-BGWC-51**	3015	2469154	EPA 6020B	2469154
92778538024	**BOW-AP1-FD-02**	3015	2469154	EPA 6020B	2469154
92778538025	**BOW-BGWA-2**	3015	2469154	EPA 6020B	2469154
92778538026	**BOW-BGWC-21**	3015	2469154	EPA 6020B	2469154
92778538027	**BOW-BGWC-25**	3015	2469154	EPA 6020B	2469154
92778538028	**BOW-BGWC-30**	3015	2469154	EPA 6020B	2469154
92778538029	**BOW-BGWC-40**	3015	2469155	EPA 6020B	2469155
92778538030	**BOW-BGWC-49D**	3015	2469155	EPA 6020B	2469155
92778538031	**BOW-AP1-FD-03**	3015	2469155	EPA 6020B	2469155
92778538032	**BOW-AP1-FB-03**	3015	2469155	EPA 6020B	2469155
92778538033	**BOW-AP1-EB-03**	3015	2469155	EPA 6020B	2469155
92778538034	**BOW-BGWC-17**	3015	2469155	EPA 6020B	2469155
92778538035	**BOW-BGWC-18**	3015	2469155	EPA 6020B	2469155
92778538036	**BOW-BGWC-19**	3015	2469155	EPA 6020B	2469155
92778538037	**BOW-BGWC-52**	3015	2469155	EPA 6020B	2469155
92778538038	**BOW-PZ-7**	3015	2469155	EPA 6020B	2469155
92778538039	**BOW-BGWC-32**	3015	2469155	EPA 6020B	2469155
92778538040	**BOW-BGWC-41D**	3015	2469155	EPA 6020B	2469155
92778538041	**BOW-BGWC-53D**	3015	2469155	EPA 6020B	2469155
92778538042	**BOW-AP1-FD-05**	3015	2469155	EPA 6020B	2469155
92778538043	**BOW-BGWC-22**	3015	2469155	EPA 6020B	2469155
92778538044	**BOW-AP1-FB-05**	3015	2469155	EPA 6020B	2469155
92778538045	**BOW-AP1-EB-05**	3015	2469155	EPA 6020B	2469155
92778538046	**BOW-BGWC-23**	3015	2469155	EPA 6020B	2469155
92778538047	**BOW-BGWC-24**	3015	2469155	EPA 6020B	2469155
92778538048	**BOW-BGWC-35D**	3015	2469155	EPA 6020B	2469155

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538049	**BOW-BGWC-37D**	3015	2469158	EPA 6020B	2469158
92778538050	**BOW-BGWC-38D**	3015	2469158	EPA 6020B	2469158
92778538051	**BOW-BGWC-42D**	3015	2469158	EPA 6020B	2469158
92778538052	**BOW-BGWC-43D**	3015	2469158	EPA 6020B	2469158
92778538053	**BOW-AP1-FD-04**	3015	2469158	EPA 6020B	2469158
92778538054	**BOW-AP1-FB-04**	3015	2469158	EPA 6020B	2469158
92778538055	**BOW-AP1-EB-04**	3015	2469158	EPA 6020B	2469158
92778538056	**BOW-BGWC-39**	3015	2469158	EPA 6020B	2469158
92778538001	**BOW-BGWA-29**	EPA 7470A	915230	EPA 7470A	915643
92778538002	**BOW-BGWC-7**	EPA 7470A	915726	EPA 7470A	915992
92778538003	**BOW-BGWC-10**	EPA 7470A	915726	EPA 7470A	915992
92778538004	**BOW-BGWC-16**	EPA 7470A	915726	EPA 7470A	915992
92778538005	**BOW-BGWC-20**	EPA 7470A	915726	EPA 7470A	915992
92778538006	**BOW-BGWC-31**	EPA 7470A	915726	EPA 7470A	915992
92778538007	**BOW-BGWC-34D**	EPA 7470A	915726	EPA 7470A	915992
92778538008	**BOW-AP1-FB-02**	EPA 7470A	915726	EPA 7470A	915992
92778538009	**BOW-AP1-EB-02**	EPA 7470A	915726	EPA 7470A	915992
92778538010	**BOW-BGWA-47D**	EPA 7470A	915726	EPA 7470A	915992
92778538011	**BOW-BGWA-48D**	EPA 7470A	915726	EPA 7470A	915992
92778538012	**BOW-BGWA-6**	EPA 7470A	915726	EPA 7470A	915992
92778538013	**BOW-AP1-FD-01**	EPA 7470A	915726	EPA 7470A	915992
92778538014	**BOW-AP1-FB-01**	EPA 7470A	915726	EPA 7470A	915992
92778538015	**BOW-AP1-EB-01**	EPA 7470A	915726	EPA 7470A	915992
92778538016	**BOW-BGWC-8**	EPA 7470A	916335	EPA 7470A	916527
92778538017	**BOW-BGWC-9**	EPA 7470A	916335	EPA 7470A	916527
92778538018	**BOW-BGWC-12**	EPA 7470A	916335	EPA 7470A	916527
92778538019	**BOW-BGWC-14A**	EPA 7470A	916335	EPA 7470A	916527
92778538020	**BOW-BGWC-36D**	EPA 7470A	916335	EPA 7470A	916527
92778538021	**BOW-BGWC-44D**	EPA 7470A	916335	EPA 7470A	916527
92778538022	**BOW-BGWC-50D**	EPA 7470A	916560	EPA 7470A	916994
92778538023	**BOW-BGWC-51**	EPA 7470A	916335	EPA 7470A	916527
92778538024	**BOW-AP1-FD-02**	EPA 7470A	916335	EPA 7470A	916527
92778538025	**BOW-BGWA-2**	EPA 7470A	916335	EPA 7470A	916527
92778538026	**BOW-BGWC-21**	EPA 7470A	916335	EPA 7470A	916527
92778538027	**BOW-BGWC-25**	EPA 7470A	916335	EPA 7470A	916527
92778538028	**BOW-BGWC-30**	EPA 7470A	916335	EPA 7470A	916527
92778538029	**BOW-BGWC-40**	EPA 7470A	916335	EPA 7470A	916527
92778538030	**BOW-BGWC-49D**	EPA 7470A	916532	EPA 7470A	916570
92778538031	**BOW-AP1-FD-03**	EPA 7470A	916532	EPA 7470A	916570
92778538032	**BOW-AP1-FB-03**	EPA 7470A	916532	EPA 7470A	916570
92778538033	**BOW-AP1-EB-03**	EPA 7470A	916532	EPA 7470A	916570
92778538034	**BOW-BGWC-17**	EPA 7470A	916532	EPA 7470A	916570
92778538035	**BOW-BGWC-18**	EPA 7470A	916532	EPA 7470A	916570
92778538036	**BOW-BGWC-19**	EPA 7470A	916532	EPA 7470A	916570
92778538037	**BOW-BGWC-52**	EPA 7470A	916532	EPA 7470A	916570

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538038	**BOW-PZ-7**	EPA 7470A	916532	EPA 7470A	916570
92778538039	**BOW-BGWC-32**	EPA 7470A	916532	EPA 7470A	916570
92778538040	**BOW-BGWC-41D**	EPA 7470A	916532	EPA 7470A	916570
92778538041	**BOW-BGWC-53D**	EPA 7470A	916532	EPA 7470A	916570
92778538042	**BOW-AP1-FD-05**	EPA 7470A	916532	EPA 7470A	916570
92778538043	**BOW-BGWC-22**	EPA 7470A	916532	EPA 7470A	916570
92778538044	**BOW-AP1-FB-05**	EPA 7470A	916532	EPA 7470A	916570
92778538045	**BOW-AP1-EB-05**	EPA 7470A	916532	EPA 7470A	916570
92778538046	**BOW-BGWC-23**	EPA 7470A	916560	EPA 7470A	916994
92778538047	**BOW-BGWC-24**	EPA 7470A	916561	EPA 7470A	916995
92778538048	**BOW-BGWC-35D**	EPA 7470A	916561	EPA 7470A	916995
92778538049	**BOW-BGWC-37D**	EPA 7470A	916561	EPA 7470A	916995
92778538050	**BOW-BGWC-38D**	EPA 7470A	916561	EPA 7470A	916995
92778538051	**BOW-BGWC-42D**	EPA 7470A	916561	EPA 7470A	916995
92778538052	**BOW-BGWC-43D**	EPA 7470A	916561	EPA 7470A	916995
92778538053	**BOW-AP1-FD-04**	EPA 7470A	916561	EPA 7470A	916995
92778538054	**BOW-AP1-FB-04**	EPA 7470A	916561	EPA 7470A	916995
92778538055	**BOW-AP1-EB-04**	EPA 7470A	916561	EPA 7470A	916995
92778538056	**BOW-BGWC-39**	EPA 7470A	918605	EPA 7470A	918953
92778538001	**BOW-BGWA-29**	SM 2320B-2011	916005		
92778538002	**BOW-BGWC-7**	SM 2320B-2011	916005		
92778538003	**BOW-BGWC-10**	SM 2320B-2011	916005		
92778538004	**BOW-BGWC-16**	SM 2320B-2011	916005		
92778538005	**BOW-BGWC-20**	SM 2320B-2011	916005		
92778538006	**BOW-BGWC-31**	SM 2320B-2011	916005		
92778538007	**BOW-BGWC-34D**	SM 2320B-2011	916005		
92778538008	**BOW-AP1-FB-02**	SM 2320B-2011	916005		
92778538009	**BOW-AP1-EB-02**	SM 2320B-2011	916005		
92778538010	**BOW-BGWA-47D**	SM 2320B-2011	915311		
92778538011	**BOW-BGWA-48D**	SM 2320B-2011	915311		
92778538012	**BOW-BGWA-6**	SM 2320B-2011	915311		
92778538013	**BOW-AP1-FD-01**	SM 2320B-2011	915311		
92778538014	**BOW-AP1-FB-01**	SM 2320B-2011	915311		
92778538015	**BOW-AP1-EB-01**	SM 2320B-2011	915311		
92778538016	**BOW-BGWC-8**	SM 2320B-2011	915793		
92778538017	**BOW-BGWC-9**	SM 2320B-2011	915793		
92778538018	**BOW-BGWC-12**	SM 2320B-2011	915796		
92778538019	**BOW-BGWC-14A**	SM 2320B-2011	915796		
92778538020	**BOW-BGWC-36D**	SM 2320B-2011	915796		
92778538021	**BOW-BGWC-44D**	SM 2320B-2011	915796		
92778538022	**BOW-BGWC-50D**	SM 2320B-2011	915796		
92778538023	**BOW-BGWC-51**	SM 2320B-2011	916005		
92778538024	**BOW-AP1-FD-02**	SM 2320B-2011	916005		
92778538025	**BOW-BGWA-2**	SM 2320B-2011	917189		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538026	**BOW-BGWC-21**	SM 2320B-2011	917189		
92778538027	**BOW-BGWC-25**	SM 2320B-2011	917189		
92778538028	**BOW-BGWC-30**	SM 2320B-2011	917189		
92778538029	**BOW-BGWC-40**	SM 2320B-2011	917430		
92778538030	**BOW-BGWC-49D**	SM 2320B-2011	917430		
92778538031	**BOW-AP1-FD-03**	SM 2320B-2011	917430		
92778538032	**BOW-AP1-FB-03**	SM 2320B-2011	917430		
92778538033	**BOW-AP1-EB-03**	SM 2320B-2011	917430		
92778538034	**BOW-BGWC-17**	SM 2320B-2011	916362		
92778538035	**BOW-BGWC-18**	SM 2320B-2011	916362		
92778538036	**BOW-BGWC-19**	SM 2320B-2011	916362		
92778538037	**BOW-BGWC-52**	SM 2320B-2011	916362		
92778538038	**BOW-PZ-7**	SM 2320B-2011	916362		
92778538039	**BOW-BGWC-32**	SM 2320B-2011	917727		
92778538040	**BOW-BGWC-41D**	SM 2320B-2011	917727		
92778538041	**BOW-BGWC-53D**	SM 2320B-2011	917727		
92778538042	**BOW-AP1-FD-05**	SM 2320B-2011	917727		
92778538043	**BOW-BGWC-22**	SM 2320B-2011	918109		
92778538044	**BOW-AP1-FB-05**	SM 2320B-2011	918109		
92778538045	**BOW-AP1-EB-05**	SM 2320B-2011	918109		
92778538046	**BOW-BGWC-23**	SM 2320B-2011	917434		
92778538047	**BOW-BGWC-24**	SM 2320B-2011	917434		
92778538048	**BOW-BGWC-35D**	SM 2320B-2011	917443		
92778538049	**BOW-BGWC-37D**	SM 2320B-2011	917443		
92778538050	**BOW-BGWC-38D**	SM 2320B-2011	917443		
92778538051	**BOW-BGWC-42D**	SM 2320B-2011	917443		
92778538052	**BOW-BGWC-43D**	SM 2320B-2011	917443		
92778538053	**BOW-AP1-FD-04**	SM 2320B-2011	917443		
92778538054	**BOW-AP1-FB-04**	SM 2320B-2011	917443		
92778538055	**BOW-AP1-EB-04**	SM 2320B-2011	917443		
92778538056	**BOW-BGWC-39**	SM 2320B-2011	918962		
92778538001	**BOW-BGWA-29**	SM 2540C-2015	915617		
92778538002	**BOW-BGWC-7**	SM 2540C-2015	915617		
92778538003	**BOW-BGWC-10**	SM 2540C-2015	915617		
92778538004	**BOW-BGWC-16**	SM 2540C-2015	915617		
92778538005	**BOW-BGWC-20**	SM 2540C-2015	915617		
92778538006	**BOW-BGWC-31**	SM 2540C-2015	915617		
92778538007	**BOW-BGWC-34D**	SM 2540C-2015	915617		
92778538008	**BOW-AP1-FB-02**	SM 2540C-2015	915617		
92778538009	**BOW-AP1-EB-02**	SM 2540C-2015	915617		
92778538010	**BOW-BGWA-47D**	SM 2540C-2015	914807		
92778538011	**BOW-BGWA-48D**	SM 2540C-2015	914807		
92778538012	**BOW-BGWA-6**	SM 2540C-2015	914807		
92778538013	**BOW-AP1-FD-01**	SM 2540C-2015	914807		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538014	**BOW-AP1-FB-01**	SM 2540C-2015	914807		
92778538015	**BOW-AP1-EB-01**	SM 2540C-2015	914807		
92778538016	**BOW-BGWC-8**	SM 2540C-2015	915152		
92778538017	**BOW-BGWC-9**	SM 2540C-2015	915152		
92778538018	**BOW-BGWC-12**	SM 2540C-2015	915152		
92778538019	**BOW-BGWC-14A**	SM 2540C-2015	915152		
92778538020	**BOW-BGWC-36D**	SM 2540C-2015	915152		
92778538021	**BOW-BGWC-44D**	SM 2540C-2015	915154		
92778538022	**BOW-BGWC-50D**	SM 2540C-2015	915154		
92778538023	**BOW-BGWC-51**	SM 2540C-2015	915617		
92778538024	**BOW-AP1-FD-02**	SM 2540C-2015	915617		
92778538025	**BOW-BGWA-2**	SM 2540C-2015	916188		
92778538026	**BOW-BGWC-21**	SM 2540C-2015	916188		
92778538027	**BOW-BGWC-25**	SM 2540C-2015	916188		
92778538028	**BOW-BGWC-30**	SM 2540C-2015	916188		
92778538029	**BOW-BGWC-40**	SM 2540C-2015	916188		
92778538030	**BOW-BGWC-49D**	SM 2540C-2015	916188		
92778538031	**BOW-AP1-FD-03**	SM 2540C-2015	916188		
92778538032	**BOW-AP1-FB-03**	SM 2540C-2015	916188		
92778538033	**BOW-AP1-EB-03**	SM 2540C-2015	916188		
92778538034	**BOW-BGWC-17**	SM 2540C-2015	916010		
92778538035	**BOW-BGWC-18**	SM 2540C-2015	916010		
92778538036	**BOW-BGWC-19**	SM 2540C-2015	916010		
92778538037	**BOW-BGWC-52**	SM 2540C-2015	916010		
92778538038	**BOW-PZ-7**	SM 2540C-2015	916010		
92778538039	**BOW-BGWC-32**	SM 2540C-2015	917008		
92778538040	**BOW-BGWC-41D**	SM 2540C-2015	917008		
92778538041	**BOW-BGWC-53D**	SM 2540C-2015	917008		
92778538042	**BOW-AP1-FD-05**	SM 2540C-2015	917008		
92778538043	**BOW-BGWC-22**	SM 2540C-2015	917012		
92778538044	**BOW-AP1-FB-05**	SM 2540C-2015	917320		
92778538045	**BOW-AP1-EB-05**	SM 2540C-2015	917320		
92778538046	**BOW-BGWC-23**	SM 2540C-2015	916686		
92778538047	**BOW-BGWC-24**	SM 2540C-2015	916686		
92778538048	**BOW-BGWC-35D**	SM 2540C-2015	916686		
92778538049	**BOW-BGWC-37D**	SM 2540C-2015	916686		
92778538050	**BOW-BGWC-38D**	SM 2540C-2015	916686		
92778538051	**BOW-BGWC-42D**	SM 2540C-2015	916686		
92778538052	**BOW-BGWC-43D**	SM 2540C-2015	916686		
92778538053	**BOW-AP1-FD-04**	SM 2540C-2015	916686		
92778538054	**BOW-AP1-FB-04**	SM 2540C-2015	916686		
92778538055	**BOW-AP1-EB-04**	SM 2540C-2015	916686		
92778538056	**BOW-BGWC-39**	SM 2540C-2015	918248		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538001	**BOW-BGWA-29**	SM 4500-S2D-2011	915166		
92778538002	**BOW-BGWC-7**	SM 4500-S2D-2011	915166		
92778538003	**BOW-BGWC-10**	SM 4500-S2D-2011	915166		
92778538004	**BOW-BGWC-16**	SM 4500-S2D-2011	915166		
92778538005	**BOW-BGWC-20**	SM 4500-S2D-2011	915166		
92778538006	**BOW-BGWC-31**	SM 4500-S2D-2011	915166		
92778538007	**BOW-BGWC-34D**	SM 4500-S2D-2011	915166		
92778538008	**BOW-AP1-FB-02**	SM 4500-S2D-2011	915167		
92778538009	**BOW-AP1-EB-02**	SM 4500-S2D-2011	915167		
92778538010	**BOW-BGWA-47D**	SM 4500-S2D-2011	915166		
92778538011	**BOW-BGWA-48D**	SM 4500-S2D-2011	915166		
92778538012	**BOW-BGWA-6**	SM 4500-S2D-2011	915166		
92778538013	**BOW-AP1-FD-01**	SM 4500-S2D-2011	915166		
92778538014	**BOW-AP1-FB-01**	SM 4500-S2D-2011	915166		
92778538015	**BOW-AP1-EB-01**	SM 4500-S2D-2011	915166		
92778538016	**BOW-BGWC-8**	SM 4500-S2D-2011	915166		
92778538017	**BOW-BGWC-9**	SM 4500-S2D-2011	915166		
92778538018	**BOW-BGWC-12**	SM 4500-S2D-2011	915166		
92778538019	**BOW-BGWC-14A**	SM 4500-S2D-2011	915166		
92778538020	**BOW-BGWC-36D**	SM 4500-S2D-2011	915166		
92778538021	**BOW-BGWC-44D**	SM 4500-S2D-2011	915166		
92778538022	**BOW-BGWC-50D**	SM 4500-S2D-2011	915166		
92778538023	**BOW-BGWC-51**	SM 4500-S2D-2011	915167		
92778538024	**BOW-AP1-FD-02**	SM 4500-S2D-2011	915167		
92778538025	**BOW-BGWA-2**	SM 4500-S2D-2011	916195		
92778538026	**BOW-BGWC-21**	SM 4500-S2D-2011	916195		
92778538027	**BOW-BGWC-25**	SM 4500-S2D-2011	916195		
92778538028	**BOW-BGWC-30**	SM 4500-S2D-2011	916195		
92778538029	**BOW-BGWC-40**	SM 4500-S2D-2011	916195		
92778538030	**BOW-BGWC-49D**	SM 4500-S2D-2011	916195		
92778538031	**BOW-AP1-FD-03**	SM 4500-S2D-2011	916195		
92778538032	**BOW-AP1-FB-03**	SM 4500-S2D-2011	916195		
92778538033	**BOW-AP1-EB-03**	SM 4500-S2D-2011	916195		
92778538034	**BOW-BGWC-17**	SM 4500-S2D-2011	916195		
92778538035	**BOW-BGWC-18**	SM 4500-S2D-2011	916195		
92778538036	**BOW-BGWC-19**	SM 4500-S2D-2011	916195		
92778538037	**BOW-BGWC-52**	SM 4500-S2D-2011	916195		
92778538038	**BOW-PZ-7**	SM 4500-S2D-2011	916195		
92778538039	**BOW-BGWC-32**	SM 4500-S2D-2011	916460		
92778538040	**BOW-BGWC-41D**	SM 4500-S2D-2011	916460		
92778538041	**BOW-BGWC-53D**	SM 4500-S2D-2011	916460		
92778538042	**BOW-AP1-FD-05**	SM 4500-S2D-2011	916460		
92778538043	**BOW-BGWC-22**	SM 4500-S2D-2011	916460		
92778538044	**BOW-AP1-FB-05**	SM 4500-S2D-2011	916460		
92778538045	**BOW-AP1-EB-05**	SM 4500-S2D-2011	916460		
92778538046	**BOW-BGWC-23**	SM 4500-S2D-2011	916460		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538047	**BOW-BGWC-24**	SM 4500-S2D-2011	916460		
92778538048	**BOW-BGWC-35D**	SM 4500-S2D-2011	916460		
92778538049	**BOW-BGWC-37D**	SM 4500-S2D-2011	916460		
92778538050	**BOW-BGWC-38D**	SM 4500-S2D-2011	916460		
92778538051	**BOW-BGWC-42D**	SM 4500-S2D-2011	916460		
92778538052	**BOW-BGWC-43D**	SM 4500-S2D-2011	916460		
92778538053	**BOW-AP1-FD-04**	SM 4500-S2D-2011	916460		
92778538054	**BOW-AP1-FB-04**	SM 4500-S2D-2011	916460		
92778538055	**BOW-AP1-EB-04**	SM 4500-S2D-2011	916460		
92778538056	**BOW-BGWC-39**	SM 4500-S2D-2011	918250		
92778538001	**BOW-BGWA-29**	EPA 300.0 Rev 2.1 1993	914791		
92778538002	**BOW-BGWC-7**	EPA 300.0 Rev 2.1 1993	914791		
92778538003	**BOW-BGWC-10**	EPA 300.0 Rev 2.1 1993	914791		
92778538004	**BOW-BGWC-16**	EPA 300.0 Rev 2.1 1993	914791		
92778538005	**BOW-BGWC-20**	EPA 300.0 Rev 2.1 1993	914791		
92778538006	**BOW-BGWC-31**	EPA 300.0 Rev 2.1 1993	914792		
92778538007	**BOW-BGWC-34D**	EPA 300.0 Rev 2.1 1993	914792		
92778538008	**BOW-AP1-FB-02**	EPA 300.0 Rev 2.1 1993	914792		
92778538009	**BOW-AP1-EB-02**	EPA 300.0 Rev 2.1 1993	914792		
92778538010	**BOW-BGWA-47D**	EPA 300.0 Rev 2.1 1993	914792		
92778538011	**BOW-BGWA-48D**	EPA 300.0 Rev 2.1 1993	914792		
92778538012	**BOW-BGWA-6**	EPA 300.0 Rev 2.1 1993	914792		
92778538013	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	914792		
92778538014	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	914792		
92778538015	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	914792		
92778538016	**BOW-BGWC-8**	EPA 300.0 Rev 2.1 1993	914792		
92778538017	**BOW-BGWC-9**	EPA 300.0 Rev 2.1 1993	914792		
92778538018	**BOW-BGWC-12**	EPA 300.0 Rev 2.1 1993	914792		
92778538019	**BOW-BGWC-14A**	EPA 300.0 Rev 2.1 1993	914792		
92778538020	**BOW-BGWC-36D**	EPA 300.0 Rev 2.1 1993	914792		
92778538021	**BOW-BGWC-44D**	EPA 300.0 Rev 2.1 1993	914792		
92778538022	**BOW-BGWC-50D**	EPA 300.0 Rev 2.1 1993	914792		
92778538023	**BOW-BGWC-51**	EPA 300.0 Rev 2.1 1993	914792		
92778538024	**BOW-AP1-FD-02**	EPA 300.0 Rev 2.1 1993	914792		
92778538025	**BOW-BGWA-2**	EPA 300.0 Rev 2.1 1993	915779		
92778538026	**BOW-BGWC-21**	EPA 300.0 Rev 2.1 1993	915779		
92778538027	**BOW-BGWC-25**	EPA 300.0 Rev 2.1 1993	915779		
92778538028	**BOW-BGWC-30**	EPA 300.0 Rev 2.1 1993	915779		
92778538029	**BOW-BGWC-40**	EPA 300.0 Rev 2.1 1993	915779		
92778538030	**BOW-BGWC-49D**	EPA 300.0 Rev 2.1 1993	915779		
92778538031	**BOW-AP1-FD-03**	EPA 300.0 Rev 2.1 1993	915779		
92778538032	**BOW-AP1-FB-03**	EPA 300.0 Rev 2.1 1993	915779		
92778538033	**BOW-AP1-EB-03**	EPA 300.0 Rev 2.1 1993	915779		
92778538034	**BOW-BGWC-17**	EPA 300.0 Rev 2.1 1993	915779		
92778538035	**BOW-BGWC-18**	EPA 300.0 Rev 2.1 1993	915779		
92778538036	**BOW-BGWC-19**	EPA 300.0 Rev 2.1 1993	915779		
92778538037	**BOW-BGWC-52**	EPA 300.0 Rev 2.1 1993	915779		

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Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538038	**BOW-PZ-7**	EPA 300.0 Rev 2.1 1993	915779		
92778538039	**BOW-BGWC-32**	EPA 300.0 Rev 2.1 1993	916487		
92778538040	**BOW-BGWC-41D**	EPA 300.0 Rev 2.1 1993	916487		
92778538041	**BOW-BGWC-53D**	EPA 300.0 Rev 2.1 1993	916487		
92778538042	**BOW-AP1-FD-05**	EPA 300.0 Rev 2.1 1993	916487		
92778538043	**BOW-BGWC-22**	EPA 300.0 Rev 2.1 1993	916487		
92778538044	**BOW-AP1-FB-05**	EPA 300.0 Rev 2.1 1993	916487		
92778538045	**BOW-AP1-EB-05**	EPA 300.0 Rev 2.1 1993	916487		
92778538046	**BOW-BGWC-23**	EPA 300.0 Rev 2.1 1993	916487		
92778538047	**BOW-BGWC-24**	EPA 300.0 Rev 2.1 1993	916487		
92778538048	**BOW-BGWC-35D**	EPA 300.0 Rev 2.1 1993	916487		
92778538049	**BOW-BGWC-37D**	EPA 300.0 Rev 2.1 1993	916487		
92778538050	**BOW-BGWC-38D**	EPA 300.0 Rev 2.1 1993	916487		
92778538051	**BOW-BGWC-42D**	EPA 300.0 Rev 2.1 1993	916487		
92778538052	**BOW-BGWC-43D**	EPA 300.0 Rev 2.1 1993	916487		
92778538053	**BOW-AP1-FD-04**	EPA 300.0 Rev 2.1 1993	916487		
92778538054	**BOW-AP1-FB-04**	EPA 300.0 Rev 2.1 1993	916487		
92778538055	**BOW-AP1-EB-04**	EPA 300.0 Rev 2.1 1993	916487		
92778538056	**BOW-BGWC-39**	EPA 300.0 Rev 2.1 1993	917916		
92778538001	**BOW-BGWA-29**	EPA 3005A	921048	EPA 6020B	922002
92778538002	**BOW-BGWC-7**	EPA 3005A	921048	EPA 6020B	922002
92778538003	**BOW-BGWC-10**	EPA 3005A	921048	EPA 6020B	922002
92778538004	**BOW-BGWC-16**	EPA 3005A	921048	EPA 6020B	922002
92778538005	**BOW-BGWC-20**	EPA 3005A	921048	EPA 6020B	922002
92778538006	**BOW-BGWC-31**	EPA 3005A	921048	EPA 6020B	922002
92778538007	**BOW-BGWC-34D**	EPA 3005A	921048	EPA 6020B	922002
92778538008	**BOW-AP1-FB-02**	EPA 3005A	921048	EPA 6020B	922002
92778538009	**BOW-AP1-EB-02**	EPA 3005A	921048	EPA 6020B	922002
92778538010	**BOW-BGWA-47D**	EPA 3005A	921048	EPA 6020B	922002
92778538011	**BOW-BGWA-48D**	EPA 3005A	921048	EPA 6020B	922002
92778538012	**BOW-BGWA-6**	EPA 3005A	921048	EPA 6020B	922002
92778538013	**BOW-AP1-FD-01**	EPA 3005A	921048	EPA 6020B	922002
92778538014	**BOW-AP1-FB-01**	EPA 3005A	921048	EPA 6020B	922002
92778538015	**BOW-AP1-EB-01**	EPA 3005A	921048	EPA 6020B	922002
92778538016	**BOW-BGWC-8**	EPA 3005A	921048	EPA 6020B	922002
92778538017	**BOW-BGWC-9**	EPA 3005A	921048	EPA 6020B	922002
92778538018	**BOW-BGWC-12**	EPA 3005A	921048	EPA 6020B	922002
92778538019	**BOW-BGWC-14A**	EPA 3005A	921048	EPA 6020B	922002
92778538020	**BOW-BGWC-36D**	EPA 3005A	921048	EPA 6020B	922002
92778538021	**BOW-BGWC-44D**	EPA 3005A	921049	EPA 6020B	922334
92778538022	**BOW-BGWC-50D**	EPA 3005A	921049	EPA 6020B	922334
92778538023	**BOW-BGWC-51**	EPA 3005A	921049	EPA 6020B	922334
92778538024	**BOW-AP1-FD-02**	EPA 3005A	921049	EPA 6020B	922334
92778538025	**BOW-BGWA-2**	EPA 3005A	921049	EPA 6020B	922334
92778538026	**BOW-BGWC-21**	EPA 3005A	921049	EPA 6020B	922334
92778538027	**BOW-BGWC-25**	EPA 3005A	921049	EPA 6020B	922334
92778538028	**BOW-BGWC-30**	EPA 3005A	921049	EPA 6020B	922334

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1
Pace Project No.: 92778538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778538029	**BOW-BGWC-40**	EPA 3005A	921049	EPA 6020B	922334
92778538030	**BOW-BGWC-49D**	EPA 3005A	921049	EPA 6020B	922334
92778538031	**BOW-AP1-FD-03**	EPA 3005A	921049	EPA 6020B	922334
92778538032	**BOW-AP1-FB-03**	EPA 3005A	921049	EPA 6020B	922334
92778538033	**BOW-AP1-EB-03**	EPA 3005A	921049	EPA 6020B	922334
92778538034	**BOW-BGWC-17**	EPA 3005A	921049	EPA 6020B	922334
92778538035	**BOW-BGWC-18**	EPA 3005A	921049	EPA 6020B	922334
92778538036	**BOW-BGWC-19**	EPA 3005A	921049	EPA 6020B	922334
92778538037	**BOW-BGWC-52**	EPA 3005A	921049	EPA 6020B	922334
92778538038	**BOW-PZ-7**	EPA 3005A	921049	EPA 6020B	922334
92778538039	**BOW-BGWC-32**	EPA 3005A	921049	EPA 6020B	922334
92778538040	**BOW-BGWC-41D**	EPA 3005A	921049	EPA 6020B	922334
92778538041	**BOW-BGWC-53D**	EPA 3005A	921050	EPA 6020B	923217
92778538042	**BOW-AP1-FD-05**	EPA 3005A	921050	EPA 6020B	923217
92778538043	**BOW-BGWC-22**	EPA 3005A	921050	EPA 6020B	923217
92778538044	**BOW-AP1-FB-05**	EPA 3005A	921050	EPA 6020B	923217
92778538045	**BOW-AP1-EB-05**	EPA 3005A	921050	EPA 6020B	923217
92778538046	**BOW-BGWC-23**	EPA 3005A	921050	EPA 6020B	923217
92778538047	**BOW-BGWC-24**	EPA 3005A	921050	EPA 6020B	923217
92778538048	**BOW-BGWC-35D**	EPA 3005A	921050	EPA 6020B	923217
92778538049	**BOW-BGWC-37D**	EPA 3005A	921050	EPA 6020B	923217
92778538050	**BOW-BGWC-38D**	EPA 3005A	921050	EPA 6020B	923217
92778538051	**BOW-BGWC-42D**	EPA 3005A	921050	EPA 6020B	923217
92778538052	**BOW-BGWC-43D**	EPA 3005A	921050	EPA 6020B	923217
92778538053	**BOW-AP1-FD-04**	EPA 3005A	921050	EPA 6020B	923217
92778538054	**BOW-AP1-FB-04**	EPA 3005A	921050	EPA 6020B	923217
92778538055	**BOW-AP1-EB-04**	EPA 3005A	921050	EPA 6020B	923217
92778538056	**BOW-BGWC-39**	EPA 3005A	921050	EPA 6020B	923217

This report shall not be reproduced, except in full,
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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

WO# : 92778538

92778538

Courier: ☐ Commercial ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 4/1/25 CM

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.4 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 2.5

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUNY-0089-v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92778538

PM: BV **Due Date: 02/21/25**

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N-1 liter Plastic HNO3 (pH < 2)	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)	AGBU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC					BP1N																									
1		2	1		2		2	1																						
2		2	1		2		2	1																						
3		2	1		2		2	1																						
4		2	1		2		2	1																						
5		2	1		2		2	1																						
6		2	1		2		2	1																						
7		2	1		2		2	1																						
8		2	1		2		2	1																						
9		2	1		2		2	1																						
10		2	1		2		2	1																						
11		2	1		2		2	1																						
12		2	1		2		2	1																						

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.

Qualtrax ID: 69614

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)
CC																														
1		2	1		2	2	2	1																						
2		2	1		2	2	2	1																						
3		2	1		2	2	2	1																						
4		2	1		2	2	2	1																						
5		2	1		2	2	2	1																						
6		2	1		2	2	2	1																						
7		2	1		2	2	2	1																						
8		2	1		2	2	2	1																						
9		2	1		2	2	2	1																						
10		2	1		2	2	2	1																						
11		2	1		2	2	2	1																						
12		2	1		2	2	2	1																						

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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Skeyy Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore (9) 5mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identifier for sample:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (BL), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWA-2	WG	G			~~2/6/25~~ 2/5/25		7			X	X	X	X	X	X	
BOW-BGWA-29	WG	G			2/6/25	1116	5/8			X	X	X	X	X	X	
BOW-BGWA-47D	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-48D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-7	WG	G			2/6/25	1006	5/8			X	X	X	X	X	X	
BOW-BGWC-8	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-9	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-10	WG	G			2/6/25	1415	5/8			X	X	X	X	X	X	
BOW-BGWC-12	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-14A	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix II: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix III: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Loaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
Exsata

Customer Remarks / Special Conditions / Possible Hazards:

Cooler: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Exsata	2/7/25 935	Ryan William / Pace	2/7/25 0935	
Relinquished by/Company: (Signature)	Date/Time: 2/7/25 1535	Received by/Company: (Signature)	Date/Time: 2/7/25 1535	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT – Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
D/W PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size**: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) 5mL/10g TerraCore, (8) 120mL, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-16	WG	G			2/6/25	1412	33/3			X	X	X	X	X	X	
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-20	WG	G			2/6/25	1053	33/3			X	X	X	X	X	X	
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-25	WG	G					7			X	X	X	X	X	X	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Lab Use Only: Proj. Mgr: Bonnie Vang; Acctnum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1

* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
[illegible]	2/7/25 935	Ryan W. Lam / Pace	2/7/25 0935
Ryan W. Lam / Pace	2/7/25 1535	[illegible]	2/7/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Services
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Customer Project #:
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Contact/Report To: Kristen Junnike, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjunnik@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noalia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County /State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LI), Biosolid (BS), Other (OT)

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1
Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5Gram, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Tota Dissolved Solids	300 0-F: SO_4^{2-}, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-31	WG	G			2/6/25	1411	7			X	X	X	X	X	X	
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-34D	WG	G			2/6/25	1300	7			X	X	X	X	X	X	
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X	

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Lanker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	2/7/25 935	Lynn Williams / Pace	2/7/25 0935
Lynn Williams / Pace	2/7/25 1535		2/7/25 1335
	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0005
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smillie, Noelia Gangi

Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable: [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5gm, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Accnum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F-, SO4-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 228/226	Sample Comment
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G			2/6/25	1404	5/13			X	X	X	X	X	X	
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Silver

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSale

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Ryan William / Pace	2/7/25 1535	Charlie Hurst 2/7/25	2/7/25 1335

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
3800 Bldg, Rev. Suite 200, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilloy, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5&6 2 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix*	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F-, SO_4^{2-}, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228					Sample Comment	Preservation non-conformance identified for sample
BOW-PZ-7	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-02	WG	G			2/6/25	—	7/13			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FB-02	WQ	G			2/6/25	1551	7/19			X	X	X	X	X	X						
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X						
BOW-AP1-EB-02	WQ	G			2/6/25	1600	7/18			X	X	X	X	X	X						
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X						

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Laaker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature:
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:	Tracking Number:
EnSafe	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Relinquished by/Company: [Signature]	Date/Time: 2/7/25 1535	Received by/Company: [Signature]	2/7/25 1535	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:	
Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:	Page: 5 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Kinsey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
Customer Project #:	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Project Name: Bowen AP-1	Invoice to: Account Payable
Site Collection Info/Facility ID (as applicable):	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, PCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 75mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

Acct/Num / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Sample Comment

Preservation non-conformance identified for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity: Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F-, SO4 2-, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228					Sample Comment
BOW-BGWA-2	WG	G					7			X	X	X	X	X	X					
BOW-BGWA-29	WG	G					7			X	X	X	X	X	X					
BOW-BGWA-47D	WG	G			2/4/25	1354	5/18			X	X	X	X	X	X					
BOW-BGWA-48D	WG	G			2/4/25	1410	5/18			X	X	X	X	X	X					
BOW-BGWC-7	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-8	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-9	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-10	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-12	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-14A	WG	G					7			X	X	X	X	X	X					

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Laaker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSale	2/7/25 435	Lynn W. Hinn / Pace	2/7/25 0935	
Lynn W. Hinn / Pace	2/7/25 1535	Charles Hardy 2/7/25	1355	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Page: 1 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 300, Huntersville, NC 28078

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Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: krijurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1
Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100ml, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolid (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Bioassay (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-, SO4²-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-6	WG	G			2/4/25	1424	7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

If Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/7/25 935	Ryan William / Pace	2/7/25 0935
Ryan William / Pace	2/7/25 1535		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
			2/7/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Ridley Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Mickiff, Burl Hodges, Mike Smiley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC62474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

Analysis Requested

** Container Size: (1) 1L, (2) 250mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 500mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F-, SO4-2, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified (Y/N)
BOW-PZ-7	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-01	WG	G			2/4/25	—	5/18			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FB-01	WQ	G			2/4/25	1603	5/18			X	X	X	X	X	X		
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-01	WQ	G			2/4/25	1612	5/18			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix II: Boron, Calcium, Chloride, Fluorine, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
**Additional Metals: Iron, Magnesium, Manganese, Potassium, Silver

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rayne
Printed Name
Signature
EnDate

Customer Remarks / Special Conditions / Possible Hazards:

Cooler # | Thermometer ID | Correction Factor (°C) | Obs. Temp (°C) | Corrected Temp (°C) | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnDate	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Relinquished by/Company: (Signature) Ryan Williams / Pace	2/7/25 1535	Received by/Company: (Signature)	2/7/25 1535	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Sampler: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
3400 Kinley Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
Customer Project #:	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelia Gangi
Project Name: Bowen AP-1	Invoice to: Account Payable
Site Collection Info/Facility ID (as applicable):	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Filter_____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5\6 | 2 | 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL Vial, (7) EnCore, (8) TerraCore, (9) 80mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity: Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4=, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228
BOW-BGWA-2	WG	G					7			X	X	X	X	X	X
BOW-BGWA-29	WG	G					7			X	X	X	X	X	X
BOW-BGWA-47D	WG	G					7			X	X	X	X	X	X
BOW-BGWA-48D	WG	G					7			X	X	X	X	X	X
BOW-BGWC-7	WG	G					7			X	X	X	X	X	X
BOW-BGWC-8	WG	G			2/5/25	1024	3/8			X	X	X	X	X	X
BOW-BGWC-9	WG	G			2/5/25	1240	3/8			X	X	X	X	X	X
BOW-BGWC-10	WG	G					7			X	X	X	X	X	X
BOW-BGWC-12	WG	G			2/5/25	1430	3/8			X	X	X	X	X	X
BOW-BGWC-14A	WG	G			2/5/25	1610	3/8			X	X	X	X	X	X

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 1650/; Prelog / Bottle Ord. ID: EZ 3211296

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace® :
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Loaker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp (°C): | [ ] On Ice

Relinquished by/Company: [Signature] EnSafe	Date/Time: 2/7/25 935	Received by/Company: [Signature] Ryan Williams / Pace	Date/Time: 2/7/25 0935	Tracking Number:
Relinquished by/Company: [Signature] Ryan Williams / Pace	Date/Time: 2/7/25 1535	Received by/Company: [Signature] Chad Hardy 2/7	Date/Time: 25 1335	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:	Page: 1 of 5

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
Customer Project #:	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Project Name: Bowen AP-1	Invoice to: Account Payable
Site Collection Info/Facility ID (as applicable):	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC82474-0007
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	Quote #:
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	County / State origin of sample(s): Georgia
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: [1] 1L, [2] 500mL, [3] 250mL, [4] 125mL, [5] 100mL, [6] 40ml vial, [7] EnCore, [8] TerraCore, [9] 5gmL, [10] Other

*** Preservative Types: [1] None, [2] HNO3, [3] H2SO4, [4] HCl, [5] NaOH, [6] Zn Acetate, [7] NaHSO4, [8] Sod Thiosulfate, [9] Ascorbic Acid, [10] MeOH, [11] Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biofilm (BF), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-, SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X			
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-36D	WG	G			2/5/25	1610	7			X	X	X	X	X	X			
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X			

Lab Use Only: Proj. Mgr: Bonnie Wang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Ryan Williams / Pace	2/7/25 1515	Chelsea Hewlett	2/7/25 1335

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable)

Contact/Report To: Kristen Juninko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnk@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

GW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biofluid (BF), Other (OT)

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity: Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-44D	WG	G			2/5/25	1343	7			X	X	X	X	X	X			
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-50D	WG	G			2/5/25	1112	7			X	X	X	X	X	X			
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X			

Lab Use Only: Proj. Mgr: Bonnie Wang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, pH
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
**Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name:

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ryan Williams / Pace	2/7/25 1535		2/3/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 4 of 5

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Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec[illegible] ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92778538
PM: BV Due Date: 02/21/25
CLIENT: 92-GP-BOWLF

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/11/25 (2)

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.4

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	W			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

WO# : 92778538

PM: BV Due Date: 02/21/25

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1Z	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)
CC																														
1		2			2	2	2																							
2		2			2	2	2																							
3		2			2	2	2																							
4		2			2	2	2																							
5		2			2	2	2																							
6		2			2	2	2																							
7		2			2	2	2																							
8		2			2	2	2																							
9		2			2	2	2																							
10		2			2	2	2																							
11		2			2	2	2																							
12		2			2	2	2																							

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92778538

PM: BV **Due Date: 02/21/25**

CLIENT: 92-GP-BOWLF

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

Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)
CC																														
1		2	1		2✓		2✓	1✓																						
2		2	1		2✓		2✓	1✓																						
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.

Pace® Location Requested (City/State): Pace Analytical Charlotte, 9800 Kinney Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92778538

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Contact/Report To: Kristen Juriko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment
BOW-BGWA-2	WG	G			2/10/25	12:17	12/8			X	X	X	X	X	X		025
BOW-BGWA-29	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-47D	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-48D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-7	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-8	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-9	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-10	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-12	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-14A	WG	G					7			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S1

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Ryan Williams / Pace	2/11/25 1057
Ryan Williams / Pace	2/11/25 1455		2/11/25 1455

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: krjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 50mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F: SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-21	WG	G			2/10/25	1544	4/7/8			X	X	X	X	X	X	026
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-25	WG	G			2/10/25	1608	4/7/8			X	X	X	X	X	X	027

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	2/11/25 1057	Pace	2/11/25 1057
Pace	2/11/25 1455		2/11/25 1455

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgement and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F,SO4²⁻,Cl⁻	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample.
BOW-BGWC-30	WG	G			2/10/25	1057	8			X	X	X	X	X	X	026	
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Pace	2/11/25 1057
Pace	2/11/25 1455		2/11/25 1455

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 80mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
Acct/Num / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F-, SO4 2-, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified (for sample)
BOW-BGWC-40	WG	G			2/10/25	1335	7			X	X	X	X	X	X	029	
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-49D	WG	G			2/10/25	1452	7			X	X	X	X	X	X	030	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X		

Additional instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Pace	2/11/25 1057
Pace	2/11/25 1455		2/11/25 1455

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
Acctnum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO_4^{2-}, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-PZ-7	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD- 03	WG	G			2/10/25	—	8			X	X	X	X	X	X	031	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FB- 03	WQ	G			2/10/25	1735	3			X	X	X	X	X	X	032	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB- 03	WQ	G			2/10/25	1715	3			X	X	X	X	X	X	033	

Additional instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Pace	2/11/25 1057
Pace	2/11/25 1455		2/11/25 1455

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

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Pace Analytical Charlotte
9800 Kincey Ave Suite 100, Huntersville, NC 28078

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Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Sangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other:

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 80mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Veng

Acct/Num / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-17	WG	G			2/7/25	1050	7/8			X	X	X	X	X	X	034
BOW-BGWC-18	WG	G			2/7/25	1245	7/8			X	X	X	X	X	X	035
BOW-BGWC-19	WG	G			2/7/25	1151	7/8			X	X	X	X	X	X	036
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-25	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S1

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siawert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name

Signature

EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Ryan Williams / Pace	2/11/25 1057
Ryan Williams / Pace	2/11/25 1455		2/11/25 1455

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 60mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Na Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Wang

AcctNum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-52	WG	G			2/7/25	1140	D/3			X	X	X	X	X	X	037
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name:

Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Lynn Williams / Pace	2/11/25 1057
Lynn Williams / Pace	2/11/25 1455	Chandra Hanks	2/11/25 1455

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

*Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 2 3 4 3 1

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***: 1 1 1 5+6 2 2

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-PZ-7	WG	G			2/7/25	1016	8			X	X	X	X	X	X	0038	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Ryan William / Pace	2/11/25 1057
Ryan William / Pace	2/11/25 1455		2/11/25 1453

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Me... ☐ ... ☐

WO#: 92778538

PM: BV Due Date: 02/21/25

CLIENT: 92-GP-BOWLF

Sample Condition Upon Receipt

Client Name: Duke Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 2/14 RT SA

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: 3.5 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.6

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

OMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

ENT NOTIFICATION/RESOLUTION

erson contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

ıaltrax ID: 69614

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP3N	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)
DC																														
1		2	1				2																				2			
2		2	1				2																				2			
3		2	1				2																				2			
4		2	1				2																				2			
5		2	1				2																				2			
6		2	1				2																				2			
7		2	1				2																				2			
8		2	1				2																				2			
9		2	1				2																				2			
10		2	1				2																				2			
11		2	1				2																				2			
12		2	1				2																				2			

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers.

*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 #

aboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

ient_____ Profile/EZ (Circle one)_____ Notes_____

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)	K/7U-5C 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)	8270	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)
CC																														
		2	1				1	1																			2			
		2	1				2	1																			2			
		2	1				2	1																			2			
		2	1				2	1																			2			
		2	1				2	1																			2			
0																														
1																														
2																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

ote: 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. ıt of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

92778538

Scan QR Code for instructions

Company Name:	Georgia Power - Bowen
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project ID:	
Project Name:	Bowen AP-1
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kristen Juhnke, Mintao Lu, Marty Crook
Phone #:	(470) 217-0000
E-Mail:	kmjumk@southernco.com
Cc E-Mail:	Laura Mabill, Ben Hodges, Mike Smilley, Noelle Gangi
Invoice to:	Account Payable
Invoice E-mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC23474-0007
Quote #	
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s):	Georgia
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EDDS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Data Results Requested:	
DW PWSID (for WW Permit # as applicable):	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (SL), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Cash (CT), Leachate (LL), Biosolid (SS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	23208 Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, BO4, Cl	4500SO Sulfide	*Appendix III, IV + Additional Metals	RAD 228/226					
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X					
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-32	WG	G			2/12/25	1110	7			X	X	X	X	X	X					
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X					
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X					

Specify Container Size **: 3 2 8 4 3 1

Specify Container Preservative Type***: 1 1 1 5+8 2 2

Analysis Requested

Proj. Mgr: Blondie Wang

Account / Client ID:

Profile #:

Profile / Template: 16507

Prelog / Sample Qnt. ID: EZ 3211296

Sample Comment: 1.3L of Sample Was Submitted for RAD

Lab Use Only

Preservation for containers with pre-set chemicals

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1

* Matrix Codes: Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Air (A), Tissue (TS), Biosolids (SL), Vapor (V), Surface Water (SW), Sediment (SD), Other (OT)

** Container Size: 1) 2L, 2) 1000mL, 3) 250mL, 4) 125mL, 5) 100mL, 6) 60mL, 7) 40mL, 8) 500mL, 9) Other

*** Preservative Types: 1) None, 2) HNO3, 3) H2SO4, 4) NaOH, 5) HCl, 6) NaOH, 7) Ascorbic Acid, 8) NaOH+ZnAc, 9) Other

Collected By: Printed Name: William Lasker, Jay Stewart, Natalie Pipero, Sawyer Kovacs, Kyle Rhythe

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Cooler #: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	Trucking Number
	2/14/25 0850	William Lasker / Pace	2/14/25 0850	
William Lasker / Pace	2/14/25 0939		2/14/25 0939	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	

Page: 3 of 5

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ENV-FRM-CORO-0019_v02_120[illegible] ID

039

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder Login Label Here

Start QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnike, Minkao Liu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0808
	E-Mail: krjunnik@southernco.com
Customer Project #:	Cc E-Mail: Laura Mabill, Ben Hodges, Mike Smiley, Noelle Gengl
Project Name: Bowen AP-1	Invoice To: Account Payable
Site Collection Info/Facility ID (as applicable):	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC83474-0007
	Quote #
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 5 5+6 2 2

Analysis Requested

Data Deliverables	Regulatory Program (DW, NCRA, etc.) as applicable	Reportable [ ] Yes [ ] No
[ ] Level II [ ] Level III [ ] Level IV [ ] EDDs [ ] Other	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other	DW PWSID # or WW Permit # as applicable:
	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
		Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, BCl, Cl	4500S2D Sulfide	*Appendix III IV + Additional Metals	HAD 226/228	Sample Comments
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G			2/12/25	1315	7			X	X	X	X	X	X	040
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-53D	WG	G			2/12/25	1332	7			X	X	X	X	X	X	041

Lab Use Only: Proj. Mgr: Bonnie Virag; Acct/Nsam / Client ID; Table #; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation Non-Conformance Mop Shot: Yes / No

Additional Instructions from Pace®: Task Code: BOW-CCR-ASSMT-2025S1

* Appendix III - Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV - Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals - Iron, Magnesium, Manganese, Potassium, Sodium

Collected By Printed Name / Signature: William Lasker, Jay Stewart, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne

Customer Remarks / Special Conditions / Possible Hazards

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Ryan Williams / Pace	2/14/25 0852	Ryan Williams / Pace	2/14/25 0950
Ryan Williams / Pace	2/14/25 0938		2/14/25 0938

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 4 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for Instructions

Company Name: Georgia Power - Bowen

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

Contact/Report To: Kristen Jurinko, Maritso Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: krjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Emiley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Project Name: Bowen AP-1

County / State origin of sample(s): Georgia

Regulatory Program (SDW, NCBA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size**: 3 2 3 6 8 1

Identify Container Preservation Type**: 1 1 1 SAS 2 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 903/9320							Sample Comment
BOW-PZ-7	WG	G					7			X	X	X	X	X	X							
BOW-AP1-FD-05	WG	G			2/12/25		7			X	X	X	X	X	X							42
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X							
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X							
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X							
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X							
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X							
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X							
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X							
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X							

Additional Instructions from Pace®

Task Code: BOW-GCR ASSMT 202551

Collected By: William Lasker, Jay Siewert, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Sample Receipt Checklist: Custody Seals Present/Intact [ ] Yes [ ] No [ ] N/A; Collection Date/Time, Preservation, Sufficient Volume [ ] Yes [ ] No; Correct Containers, Pace Analytical Services [ ] Yes [ ] No; Samples Intact [ ] Yes [ ] No

Relinquished by/Company: (Signature) — Date/Time: 2/14/25 0950 — Received by/Company: (Signature) — Pace — Date/Time: 2/14/25 0950

Relinquished by/Company: (Signature) — Date/Time: 2/14/25 0939 — Received by/Company: (Signature) — Date/Time: 2/14/25 0938

Relinquished by/Company: (Signature) — Date/Time: — Received by/Company: (Signature) — Date/Time:

Relinquished by/Company: (Signature) — Date/Time: — Received by/Company: (Signature) — Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 6

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ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State)

Pace Analytical Services

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Address (if applicable):

Contact Report To: Kristen Jurasko, Mridula Lal, Marty Crook

Phone #: (470) 217-9084

Email: kajurask@southernco.com

cc Email: Laura McKah, Ben Hodges, Mike Smiley, Nisha Garg

Invoice To: Account Payable

Invoice Email: georgiapowerinvoices@southernco.com

Purchase Order #:

Quote #:

Identify Container Preservative Type***: 3 2 3 4 9 1

Analyses Requested: 1 1 1 5+6 2 2

Preservative Type: (1) HCl (2) Nitric (3) NaOH, (4) Sulfuric (5) Zinc Acetate (6) Methanol (7) Sodium Thiosulfate (8) Ascorbic Acid (9) Ammonium Sulfate (10) Other

Container Type: (1) Plastic (2) Amber (3) VOA Vial (4) Sterile (5) 120mL (6) 250mL (7) 500mL (8) 1L (9) 2L (10) Other

Time Zone Collected: AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level I [ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other

Regulatory Program (DW, NPDES, RCRA, etc) (if applicable):

Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Fields Filtered (if applicable): [ ] Yes [ ] No

Archive:

Matrix Codes (Insert in Matrix column): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Tissue (TS), Biowaste (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0/9056 Cl	300.0/9056 Sulfate	Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation non-conformance Verified for sample
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-22	WG	G			2/13/25	1139	7			X	X	X	X	X	X		043	
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-25	WG	G					7			X	X	X	X	X	X			

Additional Comments/Special Instructions from Pace*:
Task Code: 50W-0228-4.55M1.202551

Pace Project No.: 92569001

Lab Sample ID: 92569001022

Collected By: Printed Name / Signature: William Lasker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number
Kyle Rhyne / Pace	2/14/25 0850	Kyle Williams / Pace	2/14/25 0850	
Kyle Williams / Pace	2/14/25 0938		2/14/25 0938	Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 2 of 5

Terms: By signing below and the chain of custody, customer agrees to the terms of this agreement and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resources/pace-terms-and-conditions/

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Project Name: Bowen AP-1

Site Collection Info/Address (if applicable):

Contact/Report To: Kristen Jurinko, Minlao Lu, Marty Crook

Phone #: (470) 217-0006

E-Mail: kjurinko@southernco.com

CC Email: Laura Mckoff, Ben Hodges, Mike Smalley, Nojila Garig

Invoice To: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC#2474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level I [ ] Level II [ ] Level III [ ] Level IV [ ] EDD [ ] Other

Regulatory Program (DW, NPDES, etc.) (as applicable):

Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

BW PWSID # or WW Permit # (as applicable):

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Specify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4, Cl	4500S2D Sulfide	Appendix III IV + Additional Metals	RAD 226+228	Sample Comment
BOW-PZ-7	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FB- 05	WQ	G			2/13/25	1411	7			X	X	X	X	X	X	044
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB- 05	WQ	G			2/13/25	1421	7			X	X	X	X	X	X	045
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	

Lab Use Only: Proj. Mgr: Bonnie Wang; Acct Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conforming (Yes/No) Exception

Additional Information from Report "Field Code B" (FIELD ASSMT - 0x2B2)

Collected By: Printed Name: William Lasker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
	2/14/25 0850	William / Pace	2/14/25 0850
William / Pace	2/14/25 0959		2/14/25 0959

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 5

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ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields.

LAB USE ONLY - Affix Workorder Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power - Bowen
Service Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #	
Project Name:	Bowen AP-1
Site Collection Info/Facility ID (as applicable)	
Contact/Report To:	Khsain Junnikio, Mintao Lu, Marty Crook
Phone #:	(470) 217-0008
E-Mail:	khjunnik@southernco.com
cc E-Mail:	Laura McAuliff, Ben Hodges, Mike Smittery, Nneka Gange
Invoice to:	Account Payable
Invoice E-mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0007
Quote #:	
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s):	Georgia
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EDuS [ ] Other
Regulatory Program (DW, NCDA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:	
DW PWSID # or WW Permit # as applicable:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

Speedy Container Size**: 3 2 3 4 3 1

Matrix Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkanity	2540C Total Dissolved Solids	300.0 F SO4 Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only: Proj. Mgr: Bonnie Vang; Act/Num / Client ID; Table #; Profile / Template: 18507; Prelog / Bottle Ord. ID: EZ 3211296	Sample Comment	Preservation Non-conformance Identified for Sample
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-23	WG	G			2/11/25	1425	7			X	X	X	X	X	X			
BOW-BGWC-24	WG	G			2/11/25	1435	7			X	X	X	X	X	X		046	
BOW-BGWC-25	WG	G			2/11/25	1130	7			X	X	X	X	X	X		047	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S1

Collected By: William Lasker, Jay Sawyer, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
William Lasker / Pace	2/14/25 0850	William Lasker / Pace	2/14/25 0850
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
	2/14/25 0939		2/14/25 0939
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

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Company Name:	Georgia Power - Bowen
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #	
Project Name:	Bowen AP-1
Site Collection Info/Address ID (as applicable)	
Contact/Report To:	Kristen Junnike, Marissa Lu, Marty Crook
Phone #:	(470) 217-0008
E-Mail:	knjunnik@southernco.com
Cc E-Mail:	Laura Midkiff, Beri Hodges, Mike Smiley, Nneka Gurgi
Invoice to:	Accounts Payable
Invoice E-mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0007
Quote #	
Time Zone Collected:	| |AK | |PT | |MT | |CT X ET
County / State origin of sample(s):	Georgia
Data Deliverables:	| |Level II | |Level III | |Level IV | |EQUIS | |Other
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable: | |Yes | |No
Rush (Pre-approval required):	| |Same Day | |1 Day | |2 Day | |3 Day Other
Date Results Requested:	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): | |Yes | |No

Specify Container Size**: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125-mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 30mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) 1+1 Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Fault (SO), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F SO4, Cl	4500S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-35D	WG	G			2/11/25	1234	N/A			X	X	X	X	X	X	048
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-37D	WG	G			2/11/25	1454	N/A			X	X	X	X	X	X	049
BOW-BGWC-38D	WG	G			2/11/25	1046	N/A			X	X	X	X	X	X	050
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:
Task Code BOW-CCR-ASSMT-2025S1

* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, pH
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Manganese, Manganese, Potassium, Sodium

Collected By (Printed Name): William Lasker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	| |On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
	2/14/25 0850		2/14/25 0850
	2/14/25 0938		2/14/25 0945

Tracking Number:

Delivered by: \| \|In Person \| \|Courier \| \|FedEx \| \|UPS \| \|Other

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Muntao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura McDuff, Ben Hodges, Mike Smillay, Noelle Gang
Invoice To: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Specify Container Size **: 3 2 3 4 1 1
Specify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) 15mL, (8) 5mL/Core, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Ascorbic Acid, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Time Zone Collected: | | AK | | PT | | MT | | CT | X ET
County / State origin of sample(s): Georgia

Data Deliverables: | | Level I | | Level II | | Level IV | | EDUS | | Other
Regulatory Program (DW, NCBA, etc.) as applicable: Reportable | | Yes | | No
Rush (Pre-approval required): | | Same Day | | 1 Day | | 2 Day | | 3 Day Other
Date Results Requested:
Site PWSID # or WW Permit # as applicable:
Field Filtered (if applicable) | | Yes | | No
Analysis

Lab Use Only: Proj. Mgr: Bonnie Wang; Acct.Num / Client ID; Table #; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Cementitious (CM), Biomedical (BM), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F SO4 Cl	4500S2D Sulfide	*Appendix III / IV + Additional Metals	RAD 226/228	Sample Comment	Preservation checked and found to be compliant for sample
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-42D	WG	G			2/11/25	1625	7			X	X	X	X	X	X	051	
BOW-BGWC-43D	WG	G			2/11/25	1234	7			X	X	X	X	X	X	052	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT 2025S1
* Analytes in Boron, Calcium, Chromium, Fluoride, Sulfate, TDS
* Appendix III Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By Printed Name: William Lasker, Jay Sawyer, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature:
Sample Condition Upon Receipt

Customer Remarks / Special Conditions / Possible Hazards:
Coolers | Thermometer ID | Correction Factor (°C) | Obs. Temp. (°C) | Corrected Temp. (°C) | | On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
	2/14/25 0850		2/14/25 0850
	2/14/25 0939		2/14/25 0938

Tracking Number:
Delivered by: | | In Person | | Courier | | FedEx | | UPS | | Other

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CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

Contact/Report To: Kristen Junnila, Montso Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnil@southernco.com

Cc E-Mail: Laura McDuff, Ben Hodges, Mike Smillay, Noela Gangi

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

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Invoice To: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: | | AK | | PT | | MT | | CT | X | ET

County / State origin of sample(s): Georgia

Data Deliverables: | | Level II | | Level III | | Level IV | | EQuIS | | Other

Regulatory Program (DW, NCBA, etc.) as applicable: Reportable | | Yes | | No

Rush (Pre-approval required): | | Same Day | | 1 Day | | 2 Day | | 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable) | | Yes | | No

Analysis

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

Analysis Requested

** Container Size: (1) 1L (2) 500mL (3) 250mL (4) 125mL (5) 100mL (6) 40mL vial (7) EnCore (8) TerraCore (9) 30mL (10) Other

*** Preservative Types: (1) None (2) HNO3 (3) H2SO4 (4) HCl (5) NaOH (6) Zn Acetate (7) NaHSO4 (8) Sod. Thiosulfate (9) Ascorbic Acid (10) MeOH (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Solid/Soil (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biological (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 IC SO4 Cl	4500-S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228					Sample Comment	Preservation non conformance noted for sample
BOW-PZ-7	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-04	WG	G			2/11/25	—	7			X	X	X	X	X	X					053	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X						
BOW-AP1-FB-04	WQ	G			2/11/25	1629	7			X	X	X	X	X	X					054	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X						
BOW-AP1-EB-04	WQ	G			2/11/25	1641	7			X	X	X	X	X	X					055	
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X						

Additional Instructions from Pace*

Task Code: BOW-CCR-ASSMT-2025S1

* Antimony (Sb), Arsenic (As), Barium (Ba), Beryllium (Be), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Fluoride (F), Lead (Pb), Lithium (Li), Mercury (Hg), Molybdenum (Mo), Selenium (Se), Thallium (Tl), Additional Metals: Iron (Fe), Manganese (Mn), Potassium (K), Calcium (Ca)

Collected By (Printed Name): William Lasker, Jay Siewert, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards

Coolers | Thermometer ID | Correction Factor (°C) | Obs. Temp (°C) | Corrected Temp (°C) | | On Ice

Prog. Mgr: Bonnie Vang

Accenum / Client ID:

Table #:

Profile / Template: 18507

Prelog / Bottle Ord. ID: EZ 3211296

Lab Use Only

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Ryan Williams / Pace	2/14/25 0850	Ryan Williams / Pace	2/14/25 0850
	2/14/25 0938		2/14/25 0938

Tracking Number:

Delivered by: | | In Person | | Courier | | FedEx | | UPS | | Other

Page: 5 of 5

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ENV-FRM-CORO-0019_v02_110121 ©

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Ga Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:___ ☐ Client

Custody Seal Present? ☐ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 2/11/25 SCA

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: 3.1 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1:
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: LV				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BPIN	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 (NH4)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)
CC																														
1		2	1		2		2	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.

Qualtrax ID: 69614

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92778538

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (O), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 546 2 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity: Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment:
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-39	WG	G			2/18/25	1313	7/8			X	X	X	X	X	X	056

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore (5g), (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace® :
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Lasker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	2/21/25 1116	Pace	2/21/25 1116	
Relinquished by/Company: (Signature)	Date/Time: 2/21/25 1540	Received by/Company: (Signature)	Date/Time: 2/21/25 1540	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at: https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ID

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 18, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between February 07, 2025 and February 21, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec

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CERTIFICATIONS

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92778530001	**BOW-BGWA-29**	Water	02/06/25 11:16	02/07/25 13:35
92778530002	**BOW-BGWC-7**	Water	02/06/25 10:06	02/07/25 13:35
92778530003	**BOW-BGWC-10**	Water	02/06/25 11:45	02/07/25 13:35
92778530004	**BOW-BGWC-16**	Water	02/06/25 14:12	02/07/25 13:35
92778530005	**BOW-BGWC-20**	Water	02/06/25 10:53	02/07/25 13:35
92778530006	**BOW-BGWC-31**	Water	02/06/25 14:41	02/07/25 13:35
92778530007	**BOW-BGWC-34D**	Water	02/06/25 13:00	02/07/25 13:35
92778530008	**BOW-BGWC-51**	Water	02/06/25 14:04	02/07/25 13:35
92778530009	**BOW-AP1-FD-02**	Water	02/06/25 00:00	02/07/25 13:35
92778530010	**BOW-AP1-FB-02**	Water	02/06/25 15:51	02/07/25 13:35
92778530011	**BOW-AP1-EB-02**	Water	02/06/25 16:00	02/07/25 13:35
92778530012	**BOW-BGWA-47D**	Water	02/04/25 13:54	02/07/25 13:35
92778530013	**BOW-BGWA-48D**	Water	02/04/25 14:10	02/07/25 13:35
92778530014	**BOW-BGWA-6**	Water	02/04/25 14:29	02/07/25 13:35
92778530015	**BOW-AP1-FD-01**	Water	02/04/25 00:00	02/07/25 13:35
92778530016	**BOW-AP1-FB-01**	Water	02/04/25 16:03	02/07/25 13:35
92778530017	**BOW-AP1-EB-01**	Water	02/04/25 16:12	02/07/25 13:35
92778530018	**BOW-BGWC-8**	Water	02/05/25 10:24	02/07/25 13:35
92778530019	**BOW-BGWC-9**	Water	02/05/25 12:40	02/07/25 13:35
92778530020	**BOW-BGWC-12**	Water	02/05/25 14:30	02/07/25 13:35
92778530021	**BOW-BGWC-14A**	Water	02/05/25 16:10	02/07/25 13:35
92778530022	**BOW-BGWC-36D**	Water	02/05/25 16:10	02/07/25 13:35
92778530023	**BOW-BGWC-44D**	Water	02/05/25 13:43	02/07/25 13:35
92778530024	**BOW-BGWC-50D**	Water	02/05/25 11:12	02/07/25 13:35
92778530025	**BOW-BGWA-2**	Water	02/10/25 12:17	02/11/25 14:55
92778530026	**BOW-BGWC-21**	Water	02/10/25 15:44	02/11/25 14:55
92778530027	**BOW-BGWC-25**	Water	02/10/25 16:08	02/11/25 14:55
92778530028	**BOW-BGWC-30**	Water	02/10/25 10:57	02/11/25 14:55
92778530029	**BOW-BGWC-40**	Water	02/10/25 13:35	02/11/25 14:55
92778530030	**BOW-BGWC-49D**	Water	02/10/25 14:52	02/11/25 14:55
92778530031	**BOW-AP1-FD-03**	Water	02/10/25 00:00	02/11/25 14:55
92778530032	**BOW-AP1-FB-03**	Water	02/10/25 17:35	02/11/25 14:55
92778530033	**BOW-AP1-EB-03**	Water	02/10/25 17:15	02/11/25 14:55
92778530034	**BOW-BGWC-17**	Water	02/07/25 10:50	02/11/25 14:55
92778530035	**BOW-BGWC-18**	Water	02/07/25 12:45	02/11/25 14:55
92778530036	**BOW-BGWC-19**	Water	02/07/25 11:51	02/11/25 14:55
92778530037	**BOW-BGWC-52**	Water	02/07/25 11:40	02/11/25 14:55

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
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(704)875-9092

SAMPLE SUMMARY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92778530038	**BOW-PZ-7**	Water	02/07/25 10:16	02/11/25 14:55
92778530039	**BOW-BGWC-32**	Water	02/12/25 11:10	02/14/25 09:35
92778530040	**BOW-BGWC-41D**	Water	02/12/25 13:15	02/14/25 09:35
92778530041	**BOW-BGWC-53D**	Water	02/12/25 13:32	02/14/25 09:35
92778530042	**BOW-AP1-FD-05**	Water	02/12/25 00:00	02/14/25 09:35
92778530043	**BOW-BGWC-22**	Water	02/13/25 11:39	02/14/25 09:35
92778530044	**BOW-AP1-FB-05**	Water	02/13/25 14:11	02/14/25 09:35
92778530045	**BOW-AP1-EB-05**	Water	02/13/25 14:21	02/14/25 09:35
92778530046	**BOW-BGWC-23**	Water	02/11/25 14:35	02/14/25 09:35
92778530047	**BOW-BGWC-24**	Water	02/11/25 11:30	02/14/25 09:35
92778530048	**BOW-BGWC-35D**	Water	02/11/25 12:34	02/14/25 09:35
92778530049	**BOW-BGWC-37D**	Water	02/11/25 14:58	02/14/25 09:35
92778530050	**BOW-BGWC-38D**	Water	02/11/25 10:46	02/14/25 09:35
92778530051	**BOW-BGWC-42D**	Water	02/11/25 16:25	02/14/25 09:35
92778530052	**BOW-BGWC-43D**	Water	02/11/25 12:34	02/14/25 09:35
92778530053	**BOW-AP1-FD-04**	Water	02/11/25 00:00	02/14/25 09:35
92778530054	**BOW-AP1-FB-04**	Water	02/11/25 16:24	02/14/25 09:35
92778530055	**BOW-AP1-EB-04**	Water	02/11/25 16:41	02/14/25 09:35
92778530056	**BOW-BGWC-39**	Water	02/18/25 13:13	02/21/25 11:16

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92778530001	**BOW-BGWA-29**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530002	**BOW-BGWC-7**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530003	**BOW-BGWC-10**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530004	**BOW-BGWC-16**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530005	**BOW-BGWC-20**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530006	**BOW-BGWC-31**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530007	**BOW-BGWC-34D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530008	**BOW-BGWC-51**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530009	**BOW-AP1-FD-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530010	**BOW-AP1-FB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530011	**BOW-AP1-EB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530012	**BOW-BGWA-47D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530013	**BOW-BGWA-48D**	EPA 9315	SLC	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530014	**BOW-BGWA-6**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530015	**BOW-AP1-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530016	**BOW-AP1-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530017	**BOW-AP1-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530018	**BOW-BGWC-8**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530019	**BOW-BGWC-9**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530020	**BOW-BGWC-12**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530021	**BOW-BGWC-14A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530022	**BOW-BGWC-36D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530023	**BOW-BGWC-44D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530024	**BOW-BGWC-50D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530025	**BOW-BGWA-2**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA

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9800 Kincey Ave. Suite 100
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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	LAL	1	PASI-PA
92778530026	**BOW-BGWC-21**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530027	**BOW-BGWC-25**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530028	**BOW-BGWC-30**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530029	**BOW-BGWC-40**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530030	**BOW-BGWC-49D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530031	**BOW-AP1-FD-03**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530032	**BOW-AP1-FB-03**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530033	**BOW-AP1-EB-03**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530034	**BOW-BGWC-17**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530035	**BOW-BGWC-18**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530036	**BOW-BGWC-19**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530037	**BOW-BGWC-52**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92778530038	**BOW-PZ-7**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530039	**BOW-BGWC-32**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530040	**BOW-BGWC-41D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530041	**BOW-BGWC-53D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530042	**BOW-AP1-FD-05**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530043	**BOW-BGWC-22**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530044	**BOW-AP1-FB-05**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92778530045	**BOW-AP1-EB-05**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530046	**BOW-BGWC-23**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530047	**BOW-BGWC-24**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530048	**BOW-BGWC-35D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530049	**BOW-BGWC-37D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530050	**BOW-BGWC-38D**	EPA 9315	SLC	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530051	**BOW-BGWC-42D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530052	**BOW-BGWC-43D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530053	**BOW-AP1-FD-04**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530054	**BOW-AP1-FB-04**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530055	**BOW-AP1-EB-04**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92778530056	**BOW-BGWC-39**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530001	**BOW-BGWA-29**					
EPA 9315	Radium-226	-0.0282U ± 0.103 (0.291) C:86% T:NA	pCi/L		02/27/25 09:36	
EPA 9320	Radium-228	0.347U ± 0.384 (0.808) C:82% T:92%	pCi/L		02/19/25 12:04	
Total Radium Calculation	Total Radium	0.347U ± 0.487 (1.10)	pCi/L		02/27/25 14:06	
92778530002	**BOW-BGWC-7**					
EPA 9315	Radium-226	0.532 ± 0.234 (0.333) C:77% T:NA	pCi/L		02/27/25 08:06	
EPA 9320	Radium-228	0.981 ± 0.511 (0.918) C:79% T:80%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	1.51 ± 0.745 (1.25)	pCi/L		02/27/25 14:06	
92778530003	**BOW-BGWC-10**					
EPA 9315	Radium-226	0.502 ± 0.207 (0.268) C:85% T:NA	pCi/L		02/27/25 08:06	
EPA 9320	Radium-228	0.900U ± 0.508 (0.942) C:83% T:81%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	1.40 ± 0.715 (1.21)	pCi/L		02/27/25 14:06	
92778530004	**BOW-BGWC-16**					
EPA 9315	Radium-226	0.146U ± 0.144 (0.292) C:90% T:NA	pCi/L		02/27/25 09:39	
EPA 9320	Radium-228	0.566U ± 0.423 (0.836) C:84% T:80%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	0.712U ± 0.567 (1.13)	pCi/L		02/27/25 14:06	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530005	**BOW-BGWC-20**					
EPA 9315	Radium-226	0.376 ± 0.169 (0.225) C:92% T:NA	pCi/L		02/27/25 08:07	
EPA 9320	Radium-228	0.719 ± 0.383 (0.680) C:84% T:86%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	1.10 ± 0.552 (0.905)	pCi/L		02/27/25 14:06	
92778530006	**BOW-BGWC-31**					
EPA 9315	Radium-226	0.666 ± 0.237 (0.266) C:84% T:NA	pCi/L		02/27/25 08:07	
EPA 9320	Radium-228	0.667U ± 0.394 (0.728) C:79% T:84%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	1.33 ± 0.631 (0.994)	pCi/L		02/27/25 14:06	
92778530007	**BOW-BGWC-34D**					
EPA 9315	Radium-226	1.75 ± 0.429 (0.272) C:81% T:NA	pCi/L		02/27/25 08:11	
EPA 9320	Radium-228	1.00 ± 0.468 (0.808) C:88% T:77%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	2.75 ± 0.897 (1.08)	pCi/L		02/27/25 14:06	
92778530008	**BOW-BGWC-51**					
EPA 9315	Radium-226	0.0634U ± 0.117 (0.268) C:85% T:NA	pCi/L		02/27/25 08:11	
EPA 9320	Radium-228	0.813 ± 0.418 (0.738) C:84% T:85%	pCi/L		02/19/25 12:05	
Total Radium Calculation	Total Radium	0.876U ± 0.535 (1.01)	pCi/L		02/27/25 14:06	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530009	**BOW-AP1-FD-02**					
EPA 9315	Radium-226	0.449 ± 0.196 (0.252) C:82% T:NA	pCi/L		02/27/25 08:11	
EPA 9320	Radium-228	1.02 ± 0.422 (0.673) C:87% T:83%	pCi/L		02/19/25 12:06	
Total Radium Calculation	Total Radium	1.47 ± 0.618 (0.925)	pCi/L		02/27/25 14:06	
92778530010	**BOW-AP1-FB-02**					
EPA 9315	Radium-226	0.0349U ± 0.0926 (0.223) C:90% T:NA	pCi/L		02/27/25 08:12	
EPA 9320	Radium-228	0.379U ± 0.336 (0.682) C:90% T:84%	pCi/L		02/19/25 12:06	
Total Radium Calculation	Total Radium	0.414U ± 0.429 (0.905)	pCi/L		02/27/25 14:06	
92778530011	**BOW-AP1-EB-02**					
EPA 9315	Radium-226	0.0223U ± 0.0898 (0.228) C:85% T:NA	pCi/L		02/27/25 08:12	
EPA 9320	Radium-228	0.0747U ± 0.347 (0.786) C:88% T:85%	pCi/L		02/19/25 12:06	
Total Radium Calculation	Total Radium	0.0970U ± 0.437 (1.01)	pCi/L		02/27/25 14:06	
92778530012	**BOW-BGWA-47D**					
EPA 9315	Radium-226	0.396 ± 0.184 (0.250) C:84% T:NA	pCi/L		02/27/25 08:12	
EPA 9320	Radium-228	1.07 ± 0.447 (0.725) C:86% T:84%	pCi/L		02/19/25 12:06	
Total Radium Calculation	Total Radium	1.47 ± 0.631 (0.975)	pCi/L		02/27/25 14:06	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530013	**BOW-BGWA-48D**					
EPA 9315	Radium-226	0.122U ± 0.168 (0.367) C:81% T:NA	pCi/L		03/03/25 08:32	
EPA 9320	Radium-228	0.660U ± 0.377 (0.669) C:83% T:80%	pCi/L		02/19/25 15:30	
Total Radium Calculation	Total Radium	0.782U ± 0.545 (1.04)	pCi/L		03/04/25 11:24	
92778530014	**BOW-BGWA-6**					
EPA 9315	Radium-226	0.335U ± 0.209 (0.348) C:68% T:NA	pCi/L		03/03/25 08:32	
EPA 9320	Radium-228	0.592U ± 0.376 (0.701) C:86% T:82%	pCi/L		02/19/25 15:30	
Total Radium Calculation	Total Radium	0.927U ± 0.585 (1.05)	pCi/L		03/04/25 11:24	
92778530015	**BOW-AP1-FD-01**					
EPA 9315	Radium-226	0.186U ± 0.181 (0.363) C:71% T:NA	pCi/L		03/03/25 08:32	
EPA 9320	Radium-228	0.998U ± 0.556 (1.04) C:79% T:84%	pCi/L		02/19/25 15:30	
Total Radium Calculation	Total Radium	1.18U ± 0.737 (1.40)	pCi/L		03/04/25 11:24	
92778530016	**BOW-AP1-FB-01**					
EPA 9315	Radium-226	-0.0848U ± 0.112 (0.344) C:83% T:NA	pCi/L		03/03/25 08:32	
EPA 9320	Radium-228	0.389U ± 0.449 (0.949) C:86% T:82%	pCi/L		02/19/25 15:30	
Total Radium Calculation	Total Radium	0.389U ± 0.561 (1.29)	pCi/L		03/04/25 11:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530017	**BOW-AP1-EB-01**					
EPA 9315	Radium-226	0.0401U ± 0.115 (0.279) C:76% T:NA	pCi/L		03/03/25 08:32	
EPA 9320	Radium-228	1.03 ± 0.482 (0.833) C:88% T:87%	pCi/L		02/19/25 15:30	
Total Radium Calculation	Total Radium	1.07U ± 0.597 (1.11)	pCi/L		03/04/25 11:24	
92778530018	**BOW-BGWC-8**					
EPA 9315	Radium-226	0.0862U ± 0.126 (0.274) C:76% T:NA	pCi/L		03/03/25 08:32	
EPA 9320	Radium-228	0.555U ± 0.451 (0.908) C:92% T:84%	pCi/L		02/19/25 15:31	
Total Radium Calculation	Total Radium	0.641U ± 0.577 (1.18)	pCi/L		03/04/25 11:24	
92778530019	**BOW-BGWC-9**					
EPA 9315	Radium-226	0.158U ± 0.152 (0.296) C:80% T:NA	pCi/L		03/03/25 08:33	
EPA 9320	Radium-228	0.673U ± 0.419 (0.793) C:93% T:84%	pCi/L		02/19/25 15:31	
Total Radium Calculation	Total Radium	0.831U ± 0.571 (1.09)	pCi/L		03/04/25 11:24	
92778530020	**BOW-BGWC-12**					
EPA 9315	Radium-226	0.0150U ± 0.104 (0.266) C:89% T:NA	pCi/L		03/03/25 08:33	
EPA 9320	Radium-228	0.451U ± 0.364 (0.722) C:89% T:85%	pCi/L		02/19/25 15:31	
Total Radium Calculation	Total Radium	0.466U ± 0.468 (0.988)	pCi/L		03/04/25 11:24	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530021	**BOW-BGWC-14A**					
EPA 9315	Radium-226	0.0467U ± 0.156 (0.375) C:81% T:NA	pCi/L		03/03/25 08:33	
EPA 9320	Radium-228	0.117U ± 0.307 (0.686) C:88% T:88%	pCi/L		02/19/25 15:31	
Total Radium Calculation	Total Radium	0.164U ± 0.463 (1.06)	pCi/L		03/04/25 11:24	
92778530022	**BOW-BGWC-36D**					
EPA 9315	Radium-226	0.418 ± 0.215 (0.342) C:84% T:NA	pCi/L		03/03/25 08:37	
EPA 9320	Radium-228	0.774U ± 0.447 (0.831) C:88% T:82%	pCi/L		02/19/25 15:31	
Total Radium Calculation	Total Radium	1.19 ± 0.662 (1.17)	pCi/L		03/04/25 11:24	
92778530023	**BOW-BGWC-44D**					
EPA 9315	Radium-226	0.0692U ± 0.111 (0.247) C:87% T:NA	pCi/L		03/03/25 08:33	
EPA 9320	Radium-228	1.66 ± 0.569 (0.802) C:81% T:89%	pCi/L		02/19/25 15:32	
Total Radium Calculation	Total Radium	1.73 ± 0.680 (1.05)	pCi/L		03/04/25 11:24	
92778530024	**BOW-BGWC-50D**					
EPA 9315	Radium-226	0.404 ± 0.193 (0.285) C:88% T:NA	pCi/L		03/03/25 08:34	
EPA 9320	Radium-228	0.743 ± 0.405 (0.730) C:89% T:82%	pCi/L		02/19/25 15:32	
Total Radium Calculation	Total Radium	1.15 ± 0.598 (1.02)	pCi/L		03/04/25 11:24	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530025	**BOW-BGWA-2**					
EPA 9315	Radium-226	0.190U ± 0.148 (0.283) C:87% T:NA	pCi/L		03/13/25 08:35	
EPA 9320	Radium-228	0.388U ± 0.375 (0.769) C:85% T:84%	pCi/L		02/27/25 15:20	
Total Radium Calculation	Total Radium	0.578U ± 0.523 (1.05)	pCi/L		03/14/25 11:46	
92778530026	**BOW-BGWC-21**					
EPA 9315	Radium-226	0.122U ± 0.143 (0.304) C:83% T:NA	pCi/L		03/13/25 08:35	
EPA 9320	Radium-228	1.11 ± 0.591 (1.08) C:79% T:84%	pCi/L		02/27/25 15:20	
Total Radium Calculation	Total Radium	1.23U ± 0.734 (1.38)	pCi/L		03/14/25 11:46	
92778530027	**BOW-BGWC-25**					
EPA 9315	Radium-226	0.118U ± 0.146 (0.316) C:87% T:NA	pCi/L		03/13/25 08:35	
EPA 9320	Radium-228	0.629U ± 0.521 (1.05) C:79% T:80%	pCi/L		02/27/25 15:20	
Total Radium Calculation	Total Radium	0.747U ± 0.667 (1.37)	pCi/L		03/14/25 11:46	
92778530028	**BOW-BGWC-30**					
EPA 9315	Radium-226	0.182U ± 0.147 (0.283) C:85% T:NA	pCi/L		03/13/25 08:35	
EPA 9320	Radium-228	0.526U ± 0.507 (1.05) C:80% T:83%	pCi/L		02/27/25 15:20	
Total Radium Calculation	Total Radium	0.708U ± 0.654 (1.33)	pCi/L		03/14/25 11:46	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530029	**BOW-BGWC-40**					
EPA 9315	Radium-226	0.259 ± 0.155 (0.242) C:72% T:NA	pCi/L		03/13/25 08:39	
EPA 9320	Radium-228	0.544U ± 0.581 (1.21) C:84% T:68%	pCi/L		02/27/25 15:20	
Total Radium Calculation	Total Radium	0.803U ± 0.736 (1.45)	pCi/L		03/14/25 11:46	
92778530030	**BOW-BGWC-49D**					
EPA 9315	Radium-226	0.990 ± 0.285 (0.250) C:79% T:NA	pCi/L		03/13/25 08:39	
EPA 9320	Radium-228	1.09 ± 0.555 (0.985) C:81% T:80%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	2.08 ± 0.840 (1.24)	pCi/L		03/14/25 11:46	
92778530031	**BOW-AP1-FD-03**					
EPA 9315	Radium-226	0.215 ± 0.132 (0.211) C:85% T:NA	pCi/L		03/13/25 08:39	
EPA 9320	Radium-228	0.162U ± 0.405 (0.902) C:82% T:81%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	0.377U ± 0.537 (1.11)	pCi/L		03/14/25 11:46	
92778530032	**BOW-AP1-FB-03**					
EPA 9315	Radium-226	0.191 ± 0.117 (0.180) C:89% T:NA	pCi/L		03/13/25 09:40	
EPA 9320	Radium-228	0.950 ± 0.450 (0.766) C:86% T:83%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	1.14 ± 0.567 (0.946)	pCi/L		03/14/25 11:46	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530033	**BOW-AP1-EB-03**					
EPA 9315	Radium-226	0.0157U ± 0.0888 (0.230) C:82% T:NA	pCi/L		03/13/25 08:36	
EPA 9320	Radium-228	0.292U ± 0.454 (0.983) C:79% T:83%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	0.308U ± 0.543 (1.21)	pCi/L		03/14/25 11:46	
92778530034	**BOW-BGWC-17**					
EPA 9315	Radium-226	0.0492U ± 0.0928 (0.213) C:79% T:NA	pCi/L		03/13/25 08:47	
EPA 9320	Radium-228	1.06 ± 0.539 (0.954) C:83% T:78%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	1.11U ± 0.632 (1.17)	pCi/L		03/14/25 11:46	
92778530035	**BOW-BGWC-18**					
EPA 9315	Radium-226	0.155U ± 0.140 (0.273) C:75% T:NA	pCi/L		03/13/25 08:47	
EPA 9320	Radium-228	0.582U ± 0.419 (0.812) C:81% T:82%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	0.737U ± 0.559 (1.09)	pCi/L		03/14/25 11:46	
92778530036	**BOW-BGWC-19**					
EPA 9315	Radium-226	0.231U ± 0.144 (0.243) C:86% T:NA	pCi/L		03/13/25 08:47	
EPA 9320	Radium-228	0.721U ± 0.470 (0.897) C:83% T:79%	pCi/L		02/27/25 15:21	
Total Radium Calculation	Total Radium	0.952U ± 0.614 (1.14)	pCi/L		03/14/25 11:46	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530037	**BOW-BGWC-52**					
EPA 9315	Radium-226	0.130U ± 0.113 (0.210) C:87% T:NA	pCi/L		03/13/25 11:06	
EPA 9320	Radium-228	-0.161U ± 0.423 (1.01) C:88% T:79%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	0.130U ± 0.536 (1.22)	pCi/L		03/14/25 11:46	
92778530038	**BOW-PZ-7**					
EPA 9315	Radium-226	0.173U ± 0.129 (0.229) C:86% T:NA	pCi/L		03/13/25 10:31	
EPA 9320	Radium-228	1.12 ± 0.566 (1.01) C:80% T:78%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	1.29 ± 0.695 (1.24)	pCi/L		03/14/25 11:46	
92778530039	**BOW-BGWC-32**					
EPA 9315	Radium-226	0.593 ± 0.214 (0.247) C:87% T:NA	pCi/L		03/13/25 11:40	
EPA 9320	Radium-228	0.691U ± 0.467 (0.898) C:79% T:83%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	1.28 ± 0.681 (1.15)	pCi/L		03/14/25 11:46	
92778530040	**BOW-BGWC-41D**					
EPA 9315	Radium-226	1.57 ± 0.373 (0.231) C:85% T:NA	pCi/L		03/13/25 12:24	
EPA 9320	Radium-228	1.04 ± 0.535 (0.939) C:85% T:70%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	2.61 ± 0.908 (1.17)	pCi/L		03/14/25 11:46	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530041	**BOW-BGWC-53D**					
EPA 9315	Radium-226	0.410 ± 0.172 (0.210) C:87% T:NA	pCi/L		03/13/25 10:31	
EPA 9320	Radium-228	0.645U ± 0.523 (1.04) C:79% T:70%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	1.06U ± 0.695 (1.25)	pCi/L		03/14/25 11:46	
92778530042	**BOW-AP1-FD-05**					
EPA 9315	Radium-226	1.56 ± 0.370 (0.218) C:85% T:NA	pCi/L		03/13/25 10:31	
EPA 9320	Radium-228	1.87 ± 0.655 (0.907) C:81% T:76%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	3.43 ± 1.03 (1.13)	pCi/L		03/14/25 11:46	
92778530043	**BOW-BGWC-22**					
EPA 9315	Radium-226	0.415 ± 0.195 (0.303) C:83% T:NA	pCi/L		03/13/25 08:47	
EPA 9320	Radium-228	1.18 ± 0.518 (0.814) C:83% T:75%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	1.60 ± 0.713 (1.12)	pCi/L		03/14/25 11:46	
92778530044	**BOW-AP1-FB-05**					
EPA 9315	Radium-226	0.0924U ± 0.105 (0.215) C:87% T:NA	pCi/L		03/13/25 10:32	
EPA 9320	Radium-228	0.567U ± 0.453 (0.891) C:81% T:81%	pCi/L		02/27/25 15:22	
Total Radium Calculation	Total Radium	0.659U ± 0.558 (1.11)	pCi/L		03/14/25 11:46	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530045	**BOW-AP1-EB-05**					
EPA 9315	Radium-226	0.124U ± 0.132 (0.266) C:84% T:NA	pCi/L		03/06/25 08:31	
EPA 9320	Radium-228	0.293U ± 0.420 (0.903) C:69% T:85%	pCi/L		03/06/25 11:34	
Total Radium Calculation	Total Radium	0.417U ± 0.552 (1.17)	pCi/L		03/07/25 13:51	
92778530046	**BOW-BGWC-23**					
EPA 9315	Radium-226	0.231U ± 0.168 (0.300) C:84% T:NA	pCi/L		03/06/25 08:31	
EPA 9320	Radium-228	0.950U ± 0.560 (1.05) C:65% T:80%	pCi/L		03/06/25 11:34	
Total Radium Calculation	Total Radium	1.18U ± 0.728 (1.35)	pCi/L		03/07/25 13:51	
92778530047	**BOW-BGWC-24**					
EPA 9315	Radium-226	0.594 ± 0.250 (0.324) C:74% T:NA	pCi/L		03/06/25 08:31	
EPA 9320	Radium-228	2.01 ± 0.725 (1.08) C:66% T:83%	pCi/L		03/06/25 11:34	
Total Radium Calculation	Total Radium	2.60 ± 0.975 (1.40)	pCi/L		03/07/25 13:51	
92778530048	**BOW-BGWC-35D**					
EPA 9315	Radium-226	0.906 ± 0.299 (0.379) C:95% T:NA	pCi/L		03/07/25 08:05	
EPA 9320	Radium-228	1.80 ± 0.668 (1.02) C:72% T:75%	pCi/L		03/06/25 11:34	
Total Radium Calculation	Total Radium	2.71 ± 0.967 (1.40)	pCi/L		03/07/25 13:51	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530049	**BOW-BGWC-37D**					
EPA 9315	Radium-226	0.744 ± 0.248 (0.274) C:92% T:NA	pCi/L		03/07/25 08:05	
EPA 9320	Radium-228	1.30 ± 0.543 (0.886) C:71% T:86%	pCi/L		03/06/25 11:35	
Total Radium Calculation	Total Radium	2.04 ± 0.791 (1.16)	pCi/L		03/07/25 13:51	
92778530050	**BOW-BGWC-38D**					
EPA 9315	Radium-226	0.808 ± 0.275 (0.342) C:92% T:NA	pCi/L		03/07/25 08:06	
EPA 9320	Radium-228	1.63 ± 0.609 (0.907) C:72% T:76%	pCi/L		03/06/25 11:35	
Total Radium Calculation	Total Radium	2.44 ± 0.884 (1.25)	pCi/L		03/07/25 13:51	
92778530051	**BOW-BGWC-42D**					
EPA 9315	Radium-226	0.134U ± 0.164 (0.353) C:97% T:NA	pCi/L		03/07/25 08:06	
EPA 9320	Radium-228	0.817U ± 0.516 (0.980) C:69% T:80%	pCi/L		03/06/25 11:35	
Total Radium Calculation	Total Radium	0.951U ± 0.680 (1.33)	pCi/L		03/07/25 13:51	
92778530052	**BOW-BGWC-43D**					
EPA 9315	Radium-226	0.656 ± 0.267 (0.393) C:81% T:NA	pCi/L		03/07/25 08:07	
EPA 9320	Radium-228	0.499U ± 0.387 (0.759) C:69% T:84%	pCi/L		03/06/25 11:35	
Total Radium Calculation	Total Radium	1.16 ± 0.654 (1.15)	pCi/L		03/07/25 13:51	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92778530053	**BOW-AP1-FD-04**					
EPA 9315	Radium-226	1.13 ± 0.332 (0.339) C:90% T:NA	pCi/L		03/06/25 08:31	
EPA 9320	Radium-228	1.65 ± 0.550 (0.741) C:71% T:87%	pCi/L		03/06/25 11:35	
Total Radium Calculation	Total Radium	2.78 ± 0.882 (1.08)	pCi/L		03/07/25 13:51	
92778530054	**BOW-AP1-FB-04**					
EPA 9315	Radium-226	-0.0993U ± 0.158 (0.468) C:79% T:NA	pCi/L		03/07/25 09:39	
EPA 9320	Radium-228	-0.139U ± 0.387 (0.927) C:73% T:81%	pCi/L		03/06/25 10:53	
Total Radium Calculation	Total Radium	0.000U ± 0.545 (1.40)	pCi/L		03/07/25 13:48	
92778530055	**BOW-AP1-EB-04**					
EPA 9315	Radium-226	-0.0141U ± 0.128 (0.360) C:72% T:NA	pCi/L		03/07/25 09:39	
EPA 9320	Radium-228	0.493U ± 0.452 (0.921) C:70% T:86%	pCi/L		03/06/25 10:45	
Total Radium Calculation	Total Radium	0.493U ± 0.580 (1.28)	pCi/L		03/07/25 13:48	
92778530056	**BOW-BGWC-39**					
EPA 9315	Radium-226	0.0871U ± 0.204 (0.479) C:78% T:NA	pCi/L		03/12/25 08:26	
EPA 9320	Radium-228	0.140U ± 0.372 (0.833) C:71% T:83%	pCi/L		03/10/25 15:25	
Total Radium Calculation	Total Radium	0.227U ± 0.576 (1.31)	pCi/L		03/12/25 13:31	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWA-29 **Lab ID: 92778530001** Collected: 02/06/25 11:16 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0282U ± 0.103 (0.291) C:86% T:NA**	pCi/L	02/27/25 09:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.347U ± 0.384 (0.808) C:82% T:92%**	pCi/L	02/19/25 12:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.347U ± 0.487 (1.10)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-7 **Lab ID: 92778530002** Collected: 02/06/25 10:06 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.532 ± 0.234 (0.333) C:77% T:NA**	pCi/L	02/27/25 08:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.981 ± 0.511 (0.918) C:79% T:80%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.51 ± 0.745 (1.25)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-10 **Lab ID: 92778530003** Collected: 02/06/25 11:45 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.502 ± 0.207 (0.268) C:85% T:NA**	pCi/L	02/27/25 08:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.900U ± 0.508 (0.942) C:83% T:81%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.40 ± 0.715 (1.21)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-16 **Lab ID: 92778530004** Collected: 02/06/25 14:12 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.146U ± 0.144 (0.292) C:90% T:NA**	pCi/L	02/27/25 09:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.566U ± 0.423 (0.836) C:84% T:80%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.712U ± 0.567 (1.13)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-20 **Lab ID: 92778530005** Collected: 02/06/25 10:53 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.376 ± 0.169 (0.225) C:92% T:NA**	pCi/L	02/27/25 08:07	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.719 ± 0.383 (0.680) C:84% T:86%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.10 ± 0.552 (0.905)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-31 **Lab ID: 92778530006** Collected: 02/06/25 14:41 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.666 ± 0.237 (0.266) C:84% T:NA**	pCi/L	02/27/25 08:07	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.667U ± 0.394 (0.728) C:79% T:84%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.33 ± 0.631 (0.994)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-34D **Lab ID: 92778530007** Collected: 02/06/25 13:00 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.75 ± 0.429 (0.272) C:81% T:NA**	pCi/L	02/27/25 08:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.00 ± 0.468 (0.808) C:88% T:77%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.75 ± 0.897 (1.08)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-51 **Lab ID: 92778530008** Collected: 02/06/25 14:04 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0634U ± 0.117 (0.268) C:85% T:NA**	pCi/L	02/27/25 08:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.813 ± 0.418 (0.738) C:84% T:85%**	pCi/L	02/19/25 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.876U ± 0.535 (1.01)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FD-02 **Lab ID: 92778530009** Collected: 02/06/25 00:00 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.449 ± 0.196 (0.252) C:82% T:NA**	pCi/L	02/27/25 08:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.02 ± 0.422 (0.673) C:87% T:83%**	pCi/L	02/19/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.47 ± 0.618 (0.925)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FB-02 **Lab ID: 92778530010** Collected: 02/06/25 15:51 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0349U ± 0.0926 (0.223) C:90% T:NA**	pCi/L	02/27/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.379U ± 0.336 (0.682) C:90% T:84%**	pCi/L	02/19/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.414U ± 0.429 (0.905)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-EB-02 **Lab ID: 92778530011** Collected: 02/06/25 16:00 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0223U ± 0.0898 (0.228) C:85% T:NA**	pCi/L	02/27/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0747U ± 0.347 (0.786) C:88% T:85%**	pCi/L	02/19/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.0970U ± 0.437 (1.01)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWA-47D **Lab ID: 92778530012** Collected: 02/04/25 13:54 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.396 ± 0.184 (0.250) C:84% T:NA**	pCi/L	02/27/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.07 ± 0.447 (0.725) C:86% T:84%**	pCi/L	02/19/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.47 ± 0.631 (0.975)**	pCi/L	02/27/25 14:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWA-48D **Lab ID: 92778530013** Collected: 02/04/25 14:10 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.122U ± 0.168 (0.367) C:81% T:NA**	pCi/L	03/03/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.660U ± 0.377 (0.669) C:83% T:80%**	pCi/L	02/19/25 15:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.782U ± 0.545 (1.04)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWA-6 **Lab ID: 92778530014** Collected: 02/04/25 14:29 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.335U ± 0.209 (0.348) C:68% T:NA**	pCi/L	03/03/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.592U ± 0.376 (0.701) C:86% T:82%**	pCi/L	02/19/25 15:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.927U ± 0.585 (1.05)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FD-01 **Lab ID: 92778530015** Collected: 02/04/25 00:00 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.186U ± 0.181 (0.363) C:71% T:NA**	pCi/L	03/03/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.998U ± 0.556 (1.04) C:79% T:84%**	pCi/L	02/19/25 15:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.18U ± 0.737 (1.40)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FB-01 **Lab ID: 92778530016** Collected: 02/04/25 16:03 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0848U ± 0.112 (0.344) C:83% T:NA**	pCi/L	03/03/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.389U ± 0.449 (0.949) C:86% T:82%**	pCi/L	02/19/25 15:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.389U ± 0.561 (1.29)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-EB-01 **Lab ID: 92778530017** Collected: 02/04/25 16:12 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0401U ± 0.115 (0.279) C:76% T:NA**	pCi/L	03/03/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.03 ± 0.482 (0.833) C:88% T:87%**	pCi/L	02/19/25 15:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.07U ± 0.597 (1.11)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-8 **Lab ID: 92778530018** Collected: 02/05/25 10:24 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0862U ± 0.126 (0.274) C:76% T:NA**	pCi/L	03/03/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.555U ± 0.451 (0.908) C:92% T:84%**	pCi/L	02/19/25 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.641U ± 0.577 (1.18)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-9 **Lab ID: 92778530019** Collected: 02/05/25 12:40 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.158U ± 0.152 (0.296) C:80% T:NA**	pCi/L	03/03/25 08:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.673U ± 0.419 (0.793) C:93% T:84%**	pCi/L	02/19/25 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.831U ± 0.571 (1.09)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-12 **Lab ID: 92778530020** Collected: 02/05/25 14:30 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0150U ± 0.104 (0.266) C:89% T:NA**	pCi/L	03/03/25 08:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.451U ± 0.364 (0.722) C:89% T:85%**	pCi/L	02/19/25 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.466U ± 0.468 (0.988)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-14A **Lab ID: 92778530021** Collected: 02/05/25 16:10 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0467U ± 0.156 (0.375) C:81% T:NA**	pCi/L	03/03/25 08:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.117U ± 0.307 (0.686) C:88% T:88%**	pCi/L	02/19/25 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.164U ± 0.463 (1.06)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-36D **Lab ID: 92778530022** Collected: 02/05/25 16:10 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.418 ± 0.215 (0.342) C:84% T:NA**	pCi/L	03/03/25 08:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.774U ± 0.447 (0.831) C:88% T:82%**	pCi/L	02/19/25 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.19 ± 0.662 (1.17)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-44D **Lab ID: 92778530023** Collected: 02/05/25 13:43 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0692U ± 0.111 (0.247) C:87% T:NA**	pCi/L	03/03/25 08:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.66 ± 0.569 (0.802) C:81% T:89%**	pCi/L	02/19/25 15:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.73 ± 0.680 (1.05)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-50D **Lab ID: 92778530024** Collected: 02/05/25 11:12 Received: 02/07/25 13:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.404 ± 0.193 (0.285) C:88% T:NA**	pCi/L	03/03/25 08:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.743 ± 0.405 (0.730) C:89% T:82%**	pCi/L	02/19/25 15:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.15 ± 0.598 (1.02)**	pCi/L	03/04/25 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWA-2 **Lab ID: 92778530025** Collected: 02/10/25 12:17 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.190U ± 0.148 (0.283) C:87% T:NA**	pCi/L	03/13/25 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.388U ± 0.375 (0.769) C:85% T:84%**	pCi/L	02/27/25 15:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.578U ± 0.523 (1.05)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-21 **Lab ID: 92778530026** Collected: 02/10/25 15:44 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.122U ± 0.143 (0.304) C:83% T:NA**	pCi/L	03/13/25 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.11 ± 0.591 (1.08) C:79% T:84%**	pCi/L	02/27/25 15:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.23U ± 0.734 (1.38)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-25 **Lab ID: 92778530027** Collected: 02/10/25 16:08 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.118U ± 0.146 (0.316) C:87% T:NA**	pCi/L	03/13/25 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.629U ± 0.521 (1.05) C:79% T:80%**	pCi/L	02/27/25 15:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.747U ± 0.667 (1.37)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-30 **Lab ID: 92778530028** Collected: 02/10/25 10:57 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.182U ± 0.147 (0.283) C:85% T:NA**	pCi/L	03/13/25 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.526U ± 0.507 (1.05) C:80% T:83%**	pCi/L	02/27/25 15:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.708U ± 0.654 (1.33)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-40 **Lab ID: 92778530029** Collected: 02/10/25 13:35 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.259 ± 0.155 (0.242) C:72% T:NA**	pCi/L	03/13/25 08:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.544U ± 0.581 (1.21) C:84% T:68%**	pCi/L	02/27/25 15:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.803U ± 0.736 (1.45)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-49D **Lab ID: 92778530030** Collected: 02/10/25 14:52 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.990 ± 0.285 (0.250) C:79% T:NA**	pCi/L	03/13/25 08:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.09 ± 0.555 (0.985) C:81% T:80%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.08 ± 0.840 (1.24)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FD-03 **Lab ID: 92778530031** Collected: 02/10/25 00:00 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.215 ± 0.132 (0.211) C:85% T:NA**	pCi/L	03/13/25 08:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.162U ± 0.405 (0.902) C:82% T:81%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.377U ± 0.537 (1.11)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FB-03 **Lab ID: 92778530032** Collected: 02/10/25 17:35 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.191 ± 0.117 (0.180) C:89% T:NA**	pCi/L	03/13/25 09:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.950 ± 0.450 (0.766) C:86% T:83%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.14 ± 0.567 (0.946)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-EB-03 **Lab ID: 92778530033** Collected: 02/10/25 17:15 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0157U ± 0.0888 (0.230) C:82% T:NA**	pCi/L	03/13/25 08:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.292U ± 0.454 (0.983) C:79% T:83%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.308U ± 0.543 (1.21)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-17 **Lab ID: 92778530034** Collected: 02/07/25 10:50 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0492U ± 0.0928 (0.213) C:79% T:NA**	pCi/L	03/13/25 08:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.06 ± 0.539 (0.954) C:83% T:78%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.11U ± 0.632 (1.17)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-18 **Lab ID: 92778530035** Collected: 02/07/25 12:45 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.155U ± 0.140 (0.273) C:75% T:NA**	pCi/L	03/13/25 08:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.582U ± 0.419 (0.812) C:81% T:82%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.737U ± 0.559 (1.09)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-19 **Lab ID: 92778530036** Collected: 02/07/25 11:51 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.231U ± 0.144 (0.243) C:86% T:NA**	pCi/L	03/13/25 08:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.721U ± 0.470 (0.897) C:83% T:79%**	pCi/L	02/27/25 15:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.952U ± 0.614 (1.14)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-52 **Lab ID: 92778530037** Collected: 02/07/25 11:40 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.130U ± 0.113 (0.210) C:87% T:NA**	pCi/L	03/13/25 11:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.161U ± 0.423 (1.01) C:88% T:79%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.130U ± 0.536 (1.22)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-PZ-7 **Lab ID: 92778530038** Collected: 02/07/25 10:16 Received: 02/11/25 14:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.173U ± 0.129 (0.229) C:86% T:NA**	pCi/L	03/13/25 10:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.12 ± 0.566 (1.01) C:80% T:78%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.29 ± 0.695 (1.24)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-32 **Lab ID: 92778530039** Collected: 02/12/25 11:10 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.593 ± 0.214 (0.247) C:87% T:NA**	pCi/L	03/13/25 11:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.691U ± 0.467 (0.898) C:79% T:83%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.28 ± 0.681 (1.15)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-41D **Lab ID: 92778530040** Collected: 02/12/25 13:15 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.57 ± 0.373 (0.231) C:85% T:NA**	pCi/L	03/13/25 12:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.04 ± 0.535 (0.939) C:85% T:70%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.61 ± 0.908 (1.17)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-53D **Lab ID: 92778530041** Collected: 02/12/25 13:32 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.410 ± 0.172 (0.210) C:87% T:NA**	pCi/L	03/13/25 10:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.645U ± 0.523 (1.04) C:79% T:70%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.06U ± 0.695 (1.25)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FD-05 **Lab ID: 92778530042** Collected: 02/12/25 00:00 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.56 ± 0.370 (0.218) C:85% T:NA**	pCi/L	03/13/25 10:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.87 ± 0.655 (0.907) C:81% T:76%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.43 ± 1.03 (1.13)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-22 **Lab ID: 92778530043** Collected: 02/13/25 11:39 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.415 ± 0.195 (0.303) C:83% T:NA**	pCi/L	03/13/25 08:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.18 ± 0.518 (0.814) C:83% T:75%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.60 ± 0.713 (1.12)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FB-05 **Lab ID: 92778530044** Collected: 02/13/25 14:11 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0924U ± 0.105 (0.215) C:87% T:NA**	pCi/L	03/13/25 10:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.567U ± 0.453 (0.891) C:81% T:81%**	pCi/L	02/27/25 15:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.659U ± 0.558 (1.11)**	pCi/L	03/14/25 11:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-EB-05 **Lab ID: 92778530045** Collected: 02/13/25 14:21 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.124U ± 0.132 (0.266) C:84% T:NA**	pCi/L	03/06/25 08:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.293U ± 0.420 (0.903) C:69% T:85%**	pCi/L	03/06/25 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.417U ± 0.552 (1.17)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-23 **Lab ID: 92778530046** Collected: 02/11/25 14:35 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.231U ± 0.168 (0.300) C:84% T:NA**	pCi/L	03/06/25 08:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.950U ± 0.560 (1.05) C:65% T:80%**	pCi/L	03/06/25 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.18U ± 0.728 (1.35)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-24 **Lab ID: 92778530047** Collected: 02/11/25 11:30 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.594 ± 0.250 (0.324) C:74% T:NA**	pCi/L	03/06/25 08:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**2.01 ± 0.725 (1.08) C:66% T:83%**	pCi/L	03/06/25 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.60 ± 0.975 (1.40)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-35D **Lab ID: 92778530048** Collected: 02/11/25 12:34 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.906 ± 0.299 (0.379) C:95% T:NA**	pCi/L	03/07/25 08:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.80 ± 0.668 (1.02) C:72% T:75%**	pCi/L	03/06/25 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.71 ± 0.967 (1.40)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-37D **Lab ID: 92778530049** Collected: 02/11/25 14:58 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.744 ± 0.248 (0.274) C:92% T:NA**	pCi/L	03/07/25 08:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.30 ± 0.543 (0.886) C:71% T:86%**	pCi/L	03/06/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.04 ± 0.791 (1.16)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-38D **Lab ID: 92778530050** Collected: 02/11/25 10:46 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.808 ± 0.275 (0.342) C:92% T:NA**	pCi/L	03/07/25 08:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.63 ± 0.609 (0.907) C:72% T:76%**	pCi/L	03/06/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.44 ± 0.884 (1.25)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-42D **Lab ID: 92778530051** Collected: 02/11/25 16:25 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.134U ± 0.164 (0.353) C:97% T:NA**	pCi/L	03/07/25 08:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.817U ± 0.516 (0.980) C:69% T:80%**	pCi/L	03/06/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.951U ± 0.680 (1.33)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-43D **Lab ID: 92778530052** Collected: 02/11/25 12:34 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.656 ± 0.267 (0.393) C:81% T:NA**	pCi/L	03/07/25 08:07	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.499U ± 0.387 (0.759) C:69% T:84%**	pCi/L	03/06/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.16 ± 0.654 (1.15)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FD-04 **Lab ID: 92778530053** Collected: 02/11/25 00:00 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.13 ± 0.332 (0.339) C:90% T:NA**	pCi/L	03/06/25 08:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.65 ± 0.550 (0.741) C:71% T:87%**	pCi/L	03/06/25 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.78 ± 0.882 (1.08)**	pCi/L	03/07/25 13:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-FB-04 **Lab ID: 92778530054** Collected: 02/11/25 16:24 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0993U ± 0.158 (0.468) C:79% T:NA**	pCi/L	03/07/25 09:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.139U ± 0.387 (0.927) C:73% T:81%**	pCi/L	03/06/25 10:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.545 (1.40)**	pCi/L	03/07/25 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-AP1-EB-04 **Lab ID: 92778530055** Collected: 02/11/25 16:41 Received: 02/14/25 09:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0141U ± 0.128 (0.360) C:72% T:NA**	pCi/L	03/07/25 09:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.493U ± 0.452 (0.921) C:70% T:86%**	pCi/L	03/06/25 10:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.493U ± 0.580 (1.28)**	pCi/L	03/07/25 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Sample: BOW-BGWC-39 **Lab ID: 92778530056** Collected: 02/18/25 13:13 Received: 02/21/25 11:16 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0871U ± 0.204 (0.479) C:78% T:NA**	pCi/L	03/12/25 08:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.140U ± 0.372 (0.833) C:71% T:83%**	pCi/L	03/10/25 15:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.227U ± 0.576 (1.31)**	pCi/L	03/12/25 13:31	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 728158
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530054, 92778530055

METHOD BLANK: 3544456 Matrix: Water
Associated Lab Samples: 92778530054, 92778530055

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0276 ± 0.149 (0.405) C:88% T:NA	pCi/L	03/07/25 08:07	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 727539
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530045, 92778530046, 92778530047, 92778530048, 92778530049, 92778530050, 92778530051, 92778530052, 92778530053

METHOD BLANK: 3541416 Matrix: Water
Associated Lab Samples: 92778530045, 92778530046, 92778530047, 92778530048, 92778530049, 92778530050, 92778530051, 92778530052, 92778530053

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0204 ± 0.131 (0.331) C:78% T:NA	pCi/L	03/06/25 09:57	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 726352
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530013, 92778530014, 92778530015, 92778530016, 92778530017, 92778530018, 92778530019, 92778530020, 92778530021, 92778530022, 92778530023, 92778530024

METHOD BLANK: 3535678
Matrix: Water
Associated Lab Samples: 92778530013, 92778530014, 92778530015, 92778530016, 92778530017, 92778530018, 92778530019, 92778530020, 92778530021, 92778530022, 92778530023, 92778530024

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0526 ± 0.110 (0.257) C:89% T:NA	pCi/L	03/03/25 08:32	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 726350
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530001, 92778530002, 92778530003, 92778530004, 92778530005, 92778530006, 92778530007, 92778530008, 92778530009, 92778530010, 92778530011, 92778530012

METHOD BLANK: 3535670
Matrix: Water
Associated Lab Samples: 92778530001, 92778530002, 92778530003, 92778530004, 92778530005, 92778530006, 92778530007, 92778530008, 92778530009, 92778530010, 92778530011, 92778530012

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0910 ± 0.148 (0.334) C:88% T:NA	pCi/L	02/26/25 09:04	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 726349
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530001, 92778530002, 92778530003, 92778530004, 92778530005, 92778530006, 92778530007, 92778530008, 92778530009, 92778530010, 92778530011, 92778530012

METHOD BLANK: 3535668
Matrix: Water
Associated Lab Samples: 92778530001, 92778530002, 92778530003, 92778530004, 92778530005, 92778530006, 92778530007, 92778530008, 92778530009, 92778530010, 92778530011, 92778530012

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.146 ± 0.304 (0.672) C:76% T:83%	pCi/L	02/19/25 12:03	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 729141
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530056

METHOD BLANK: 3549310 Matrix: Water
Associated Lab Samples: 92778530056

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.192 ± 0.350 (0.767) C:73% T:80%	pCi/L	03/10/25 15:25	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 728160
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530054, 92778530055

METHOD BLANK: 3544458 Matrix: Water
Associated Lab Samples: 92778530054, 92778530055

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.397 ± 0.348 (0.699) C:74% T:84%	pCi/L	03/06/25 10:43	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 727538
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530045, 92778530046, 92778530047, 92778530048, 92778530049, 92778530050, 92778530051, 92778530052, 92778530053

METHOD BLANK: 3541413 Matrix: Water
Associated Lab Samples: 92778530045, 92778530046, 92778530047, 92778530048, 92778530049, 92778530050, 92778530051, 92778530052, 92778530053

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.416 ± 0.389 (0.789) C:69% T:80%	pCi/L	03/06/25 11:33	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 726351
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530013, 92778530014, 92778530015, 92778530016, 92778530017, 92778530018, 92778530019, 92778530020, 92778530021, 92778530022, 92778530023, 92778530024

METHOD BLANK: 3535673
Matrix: Water
Associated Lab Samples: 92778530013, 92778530014, 92778530015, 92778530016, 92778530017, 92778530018, 92778530019, 92778530020, 92778530021, 92778530022, 92778530023, 92778530024

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.276 ± 0.289 (0.595) C:90% T:82%	pCi/L	02/19/25 15:30	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 727536
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530025, 92778530026, 92778530027, 92778530028, 92778530029, 92778530030, 92778530031, 92778530032, 92778530033, 92778530034, 92778530035, 92778530036, 92778530037, 92778530038, 92778530039, 92778530040, 92778530041, 92778530042, 92778530043, 92778530044

METHOD BLANK: 3541411
Matrix: Water
Associated Lab Samples: 92778530025, 92778530026, 92778530027, 92778530028, 92778530029, 92778530030, 92778530031, 92778530032, 92778530033, 92778530034, 92778530035, 92778530036, 92778530037, 92778530038, 92778530039, 92778530040, 92778530041, 92778530042, 92778530043, 92778530044

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.219 ± 0.137 (0.229) C:90% T:NA	pCi/L	03/13/25 08:34	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 729140
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530056

METHOD BLANK: 3549309 Matrix: Water
Associated Lab Samples: 92778530056

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0236 ± 0.117 (0.342) C:89% T:NA	pCi/L	03/12/25 08:25	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

QC Batch: 727535
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92778530025, 92778530026, 92778530027, 92778530028, 92778530029, 92778530030, 92778530031, 92778530032, 92778530033, 92778530034, 92778530035, 92778530036, 92778530037, 92778530038, 92778530039, 92778530040, 92778530041, 92778530042, 92778530043, 92778530044

METHOD BLANK: 3541408
Matrix: Water
Associated Lab Samples: 92778530025, 92778530026, 92778530027, 92778530028, 92778530029, 92778530030, 92778530031, 92778530032, 92778530033, 92778530034, 92778530035, 92778530036, 92778530037, 92778530038, 92778530039, 92778530040, 92778530041, 92778530042, 92778530043, 92778530044

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.637 ± 0.370 (0.653) C:81% T:82%	pCi/L	02/27/25 15:20	

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QUALIFIERS

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778530001	**BOW-BGWA-29**	EPA 9315	726350		
92778530002	**BOW-BGWC-7**	EPA 9315	726350		
92778530003	**BOW-BGWC-10**	EPA 9315	726350		
92778530004	**BOW-BGWC-16**	EPA 9315	726350		
92778530005	**BOW-BGWC-20**	EPA 9315	726350		
92778530006	**BOW-BGWC-31**	EPA 9315	726350		
92778530007	**BOW-BGWC-34D**	EPA 9315	726350		
92778530008	**BOW-BGWC-51**	EPA 9315	726350		
92778530009	**BOW-AP1-FD-02**	EPA 9315	726350		
92778530010	**BOW-AP1-FB-02**	EPA 9315	726350		
92778530011	**BOW-AP1-EB-02**	EPA 9315	726350		
92778530012	**BOW-BGWA-47D**	EPA 9315	726350		
92778530013	**BOW-BGWA-48D**	EPA 9315	726352		
92778530014	**BOW-BGWA-6**	EPA 9315	726352		
92778530015	**BOW-AP1-FD-01**	EPA 9315	726352		
92778530016	**BOW-AP1-FB-01**	EPA 9315	726352		
92778530017	**BOW-AP1-EB-01**	EPA 9315	726352		
92778530018	**BOW-BGWC-8**	EPA 9315	726352		
92778530019	**BOW-BGWC-9**	EPA 9315	726352		
92778530020	**BOW-BGWC-12**	EPA 9315	726352		
92778530021	**BOW-BGWC-14A**	EPA 9315	726352		
92778530022	**BOW-BGWC-36D**	EPA 9315	726352		
92778530023	**BOW-BGWC-44D**	EPA 9315	726352		
92778530024	**BOW-BGWC-50D**	EPA 9315	726352		
92778530025	**BOW-BGWA-2**	EPA 9315	727536		
92778530026	**BOW-BGWC-21**	EPA 9315	727536		
92778530027	**BOW-BGWC-25**	EPA 9315	727536		
92778530028	**BOW-BGWC-30**	EPA 9315	727536		
92778530029	**BOW-BGWC-40**	EPA 9315	727536		
92778530030	**BOW-BGWC-49D**	EPA 9315	727536		
92778530031	**BOW-AP1-FD-03**	EPA 9315	727536		
92778530032	**BOW-AP1-FB-03**	EPA 9315	727536		
92778530033	**BOW-AP1-EB-03**	EPA 9315	727536		
92778530034	**BOW-BGWC-17**	EPA 9315	727536		
92778530035	**BOW-BGWC-18**	EPA 9315	727536		
92778530036	**BOW-BGWC-19**	EPA 9315	727536		
92778530037	**BOW-BGWC-52**	EPA 9315	727536		
92778530038	**BOW-PZ-7**	EPA 9315	727536		
92778530039	**BOW-BGWC-32**	EPA 9315	727536		
92778530040	**BOW-BGWC-41D**	EPA 9315	727536		
92778530041	**BOW-BGWC-53D**	EPA 9315	727536		
92778530042	**BOW-AP1-FD-05**	EPA 9315	727536		
92778530043	**BOW-BGWC-22**	EPA 9315	727536		
92778530044	**BOW-AP1-FB-05**	EPA 9315	727536		
92778530045	**BOW-AP1-EB-05**	EPA 9315	727539		
92778530046	**BOW-BGWC-23**	EPA 9315	727539		
92778530047	**BOW-BGWC-24**	EPA 9315	727539		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778530048	**BOW-BGWC-35D**	EPA 9315	727539		
92778530049	**BOW-BGWC-37D**	EPA 9315	727539		
92778530050	**BOW-BGWC-38D**	EPA 9315	727539		
92778530051	**BOW-BGWC-42D**	EPA 9315	727539		
92778530052	**BOW-BGWC-43D**	EPA 9315	727539		
92778530053	**BOW-AP1-FD-04**	EPA 9315	727539		
92778530054	**BOW-AP1-FB-04**	EPA 9315	728158		
92778530055	**BOW-AP1-EB-04**	EPA 9315	728158		
92778530056	**BOW-BGWC-39**	EPA 9315	729140		
92778530001	**BOW-BGWA-29**	EPA 9320	726349		
92778530002	**BOW-BGWC-7**	EPA 9320	726349		
92778530003	**BOW-BGWC-10**	EPA 9320	726349		
92778530004	**BOW-BGWC-16**	EPA 9320	726349		
92778530005	**BOW-BGWC-20**	EPA 9320	726349		
92778530006	**BOW-BGWC-31**	EPA 9320	726349		
92778530007	**BOW-BGWC-34D**	EPA 9320	726349		
92778530008	**BOW-BGWC-51**	EPA 9320	726349		
92778530009	**BOW-AP1-FD-02**	EPA 9320	726349		
92778530010	**BOW-AP1-FB-02**	EPA 9320	726349		
92778530011	**BOW-AP1-EB-02**	EPA 9320	726349		
92778530012	**BOW-BGWA-47D**	EPA 9320	726349		
92778530013	**BOW-BGWA-48D**	EPA 9320	726351		
92778530014	**BOW-BGWA-6**	EPA 9320	726351		
92778530015	**BOW-AP1-FD-01**	EPA 9320	726351		
92778530016	**BOW-AP1-FB-01**	EPA 9320	726351		
92778530017	**BOW-AP1-EB-01**	EPA 9320	726351		
92778530018	**BOW-BGWC-8**	EPA 9320	726351		
92778530019	**BOW-BGWC-9**	EPA 9320	726351		
92778530020	**BOW-BGWC-12**	EPA 9320	726351		
92778530021	**BOW-BGWC-14A**	EPA 9320	726351		
92778530022	**BOW-BGWC-36D**	EPA 9320	726351		
92778530023	**BOW-BGWC-44D**	EPA 9320	726351		
92778530024	**BOW-BGWC-50D**	EPA 9320	726351		
92778530025	**BOW-BGWA-2**	EPA 9320	727535		
92778530026	**BOW-BGWC-21**	EPA 9320	727535		
92778530027	**BOW-BGWC-25**	EPA 9320	727535		
92778530028	**BOW-BGWC-30**	EPA 9320	727535		
92778530029	**BOW-BGWC-40**	EPA 9320	727535		
92778530030	**BOW-BGWC-49D**	EPA 9320	727535		
92778530031	**BOW-AP1-FD-03**	EPA 9320	727535		
92778530032	**BOW-AP1-FB-03**	EPA 9320	727535		
92778530033	**BOW-AP1-EB-03**	EPA 9320	727535		
92778530034	**BOW-BGWC-17**	EPA 9320	727535		
92778530035	**BOW-BGWC-18**	EPA 9320	727535		
92778530036	**BOW-BGWC-19**	EPA 9320	727535		
92778530037	**BOW-BGWC-52**	EPA 9320	727535		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778530038	**BOW-PZ-7**	EPA 9320	727535		
92778530039	**BOW-BGWC-32**	EPA 9320	727535		
92778530040	**BOW-BGWC-41D**	EPA 9320	727535		
92778530041	**BOW-BGWC-53D**	EPA 9320	727535		
92778530042	**BOW-AP1-FD-05**	EPA 9320	727535		
92778530043	**BOW-BGWC-22**	EPA 9320	727535		
92778530044	**BOW-AP1-FB-05**	EPA 9320	727535		
92778530045	**BOW-AP1-EB-05**	EPA 9320	727538		
92778530046	**BOW-BGWC-23**	EPA 9320	727538		
92778530047	**BOW-BGWC-24**	EPA 9320	727538		
92778530048	**BOW-BGWC-35D**	EPA 9320	727538		
92778530049	**BOW-BGWC-37D**	EPA 9320	727538		
92778530050	**BOW-BGWC-38D**	EPA 9320	727538		
92778530051	**BOW-BGWC-42D**	EPA 9320	727538		
92778530052	**BOW-BGWC-43D**	EPA 9320	727538		
92778530053	**BOW-AP1-FD-04**	EPA 9320	727538		
92778530054	**BOW-AP1-FB-04**	EPA 9320	728160		
92778530055	**BOW-AP1-EB-04**	EPA 9320	728160		
92778530056	**BOW-BGWC-39**	EPA 9320	729141		
92778530001	**BOW-BGWA-29**	Total Radium Calculation	729553		
92778530002	**BOW-BGWC-7**	Total Radium Calculation	729553		
92778530003	**BOW-BGWC-10**	Total Radium Calculation	729553		
92778530004	**BOW-BGWC-16**	Total Radium Calculation	729553		
92778530005	**BOW-BGWC-20**	Total Radium Calculation	729553		
92778530006	**BOW-BGWC-31**	Total Radium Calculation	729553		
92778530007	**BOW-BGWC-34D**	Total Radium Calculation	729553		
92778530008	**BOW-BGWC-51**	Total Radium Calculation	729553		
92778530009	**BOW-AP1-FD-02**	Total Radium Calculation	729553		
92778530010	**BOW-AP1-FB-02**	Total Radium Calculation	729553		
92778530011	**BOW-AP1-EB-02**	Total Radium Calculation	729553		
92778530012	**BOW-BGWA-47D**	Total Radium Calculation	729553		
92778530013	**BOW-BGWA-48D**	Total Radium Calculation	730425		
92778530014	**BOW-BGWA-6**	Total Radium Calculation	730425		
92778530015	**BOW-AP1-FD-01**	Total Radium Calculation	730425		
92778530016	**BOW-AP1-FB-01**	Total Radium Calculation	730425		
92778530017	**BOW-AP1-EB-01**	Total Radium Calculation	730425		
92778530018	**BOW-BGWC-8**	Total Radium Calculation	730425		
92778530019	**BOW-BGWC-9**	Total Radium Calculation	730425		
92778530020	**BOW-BGWC-12**	Total Radium Calculation	730425		
92778530021	**BOW-BGWC-14A**	Total Radium Calculation	730425		
92778530022	**BOW-BGWC-36D**	Total Radium Calculation	730425		
92778530023	**BOW-BGWC-44D**	Total Radium Calculation	730425		
92778530024	**BOW-BGWC-50D**	Total Radium Calculation	730425		
92778530025	**BOW-BGWA-2**	Total Radium Calculation	732946		
92778530026	**BOW-BGWC-21**	Total Radium Calculation	732946		
92778530027	**BOW-BGWC-25**	Total Radium Calculation	732946		

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 RADS
Pace Project No.: 92778530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778530028	**BOW-BGWC-30**	Total Radium Calculation	732946		
92778530029	**BOW-BGWC-40**	Total Radium Calculation	732946		
92778530030	**BOW-BGWC-49D**	Total Radium Calculation	732946		
92778530031	**BOW-AP1-FD-03**	Total Radium Calculation	732946		
92778530032	**BOW-AP1-FB-03**	Total Radium Calculation	732946		
92778530033	**BOW-AP1-EB-03**	Total Radium Calculation	732946		
92778530034	**BOW-BGWC-17**	Total Radium Calculation	732946		
92778530035	**BOW-BGWC-18**	Total Radium Calculation	732946		
92778530036	**BOW-BGWC-19**	Total Radium Calculation	732946		
92778530037	**BOW-BGWC-52**	Total Radium Calculation	732946		
92778530038	**BOW-PZ-7**	Total Radium Calculation	732946		
92778530039	**BOW-BGWC-32**	Total Radium Calculation	732946		
92778530040	**BOW-BGWC-41D**	Total Radium Calculation	732946		
92778530041	**BOW-BGWC-53D**	Total Radium Calculation	732946		
92778530042	**BOW-AP1-FD-05**	Total Radium Calculation	732946		
92778530043	**BOW-BGWC-22**	Total Radium Calculation	732946		
92778530044	**BOW-AP1-FB-05**	Total Radium Calculation	732946		
92778530045	**BOW-AP1-EB-05**	Total Radium Calculation	731417		
92778530046	**BOW-BGWC-23**	Total Radium Calculation	731417		
92778530047	**BOW-BGWC-24**	Total Radium Calculation	731417		
92778530048	**BOW-BGWC-35D**	Total Radium Calculation	731417		
92778530049	**BOW-BGWC-37D**	Total Radium Calculation	731417		
92778530050	**BOW-BGWC-38D**	Total Radium Calculation	731417		
92778530051	**BOW-BGWC-42D**	Total Radium Calculation	731417		
92778530052	**BOW-BGWC-43D**	Total Radium Calculation	731417		
92778530053	**BOW-AP1-FD-04**	Total Radium Calculation	731417		
92778530054	**BOW-AP1-FB-04**	Total Radium Calculation	731413		
92778530055	**BOW-AP1-EB-04**	Total Radium Calculation	731413		
92778530056	**BOW-BGWC-39**	Total Radium Calculation	732353		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

WO# : 92778530

92778530

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/7/25 CM

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.4 Correction Factor: Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.5

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92778530

PM: BV Due Date: 02/28/25

CLIENT: 92-GP-BOWLF

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

Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N-1 liter Plastic HNO3 (pH < 2)	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)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC					KP7N																									
1		2	1		2		2	1																						
2		2	1		2		2	1																						
3		2	1		2		2	1																						
4		2	1		2		2	1																						
5		2	1		2		2	1																						
6		2	1		2		2	1																						
7		2	1		2		2	1																						
8		2	1		2		2	1																						
9		2	1		2		2	1																						
10		2	1		2		2	1																						
11		2	1		2		2	1																						
12		2	1		2		2	1																						

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.

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N2	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2*		2*	1*																						
2		2	1		2*		2*	1*																						
3		2	1		2*		2*	1*																						
4		2	1		2*		2*	1*																						
5		2	1		2*		2*	1*																						
6		2	1		2*		2*	1*																						
7		2	1		2*		2*	1*																						
8		2	1		2*		2*	1*																						
9		2	1		2*		2*	1*																						
10		2	1		2*		2*	1*																						
11		2	1		2*		2*	1*																						
12		2	1		2*		2*	1*																						

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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noolia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5gm, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-:SO4²-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals*	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G			2/6/25		7			X	X	X	X	X	X		
BOW-BGWA-29	WG	G			2/6/25	1116	7			X	X	X	X	X	X		
BOW-BGWA-47D	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-48D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-7	WG	G			2/6/25	1006	7			X	X	X	X	X	X		
BOW-BGWC-8	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-9	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-10	WG	G			2/6/25	1145	7			X	X	X	X	X	X		
BOW-BGWC-12	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-14A	WG	G					7			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
ReSale

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jay Siewert	2/7/25 935	Ryan William / Pace	2/7/25 0935
Ryan William / Pace	2/7/25 1535		2/7/25 1535

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
8800 Kinney Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice e-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1
Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-16	WG	G			2/6/25	1412	33/3			X	X	X	X	X	X		
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-20	WG	G			2/6/25	1053	33/3			X	X	X	X	X	X		
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-25	WG	G					7			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
Initials

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jay Siewert Initials	2/7/25 0935	Ryan W. Hill / Pace	2/7/25 0935
Ryan W. Hill / Pace	2/7/25 1535	Pace/Affiliation/Company: (Signature) Charles Henley 2/7/25	1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Juririko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: krjurnik@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5Stark, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LI), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4-,Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G			2/6/25	1411	5/8			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G			2/6/25	1300	5/8			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Lasker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature) EnSafe	Date/Time: 2/7/25 935	Received by/Company: (Signature) Ryan Williams / Pace	Date/Time: 2/7/25 0935	Tracking Number:
Relinquished by/Company: (Signature) Ryan Williams / Pace	Date/Time: 2/7/25 1535	Received by/Company: (Signature)	Date/Time: 2/7/25 1335	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0006
	E-Mail: krjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smillay, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 S+6 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore (1g/5mL), (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F: SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G			2/6/25	1404	SS/3			X	X	X	X	X	X	
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Lab Use Only: Proj. Mgr: Bonnie Vang; Accnum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C) Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/7/25 935	Pace	2/7/25 0935
Relinquished by/Company: (Signature)	Date/Time: 2/7/25 1535	Received by/Company: (Signature)	Date/Time: 2/7/25 1335
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
5800 Shuey Ave. Suite 300, Huntersville, NC 28078

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Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Filter, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only: Proj. Mgr: Ronnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix*	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity: Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified (or sample)
BOW-PZ-7	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-02	WG	G			2/6/25	—	7/8			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FB-02	WQ	G			2/6/25	1551	7/8			X	X	X	X	X	X		
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-02	WQ	G			2/6/25	1600	7/8			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Laaker, Jay Siewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature: [signature] EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp (°C): | [ ] On Ice

Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:
[signature] EnSafe	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Ryan Williams / Pace	2/7/25 1535	[signature]	2/7/25 1535
Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:
Relinquished by/Company: [Signature]	Date/Time:	Received by/Company: [Signature]	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Hilsey Ave, Suite 300, Huntersville, NC 28078

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	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other: Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size: ** — 3 | 2 | 3 | 4 | 3 | 1

Identify Container Preservative Type*** — 1 | 1 | 1 | 5+6 | 2 | 2

**Container Size: [1] 1L, [2] 500mL, [3] 250mL, [4] 125mL, [5] 100mL, [6] 40mL vial, [7] EnCore, [8] TerraCore, [9] 80mL, [10] Other

*** Preservative Types: [1] None, [2] HNO3, [3] H2SO4, [4] HCl, [5] NaOH, [6] Zn Acetate, [7] NaHSO4, [8] Sod. Thiosulfate, [9] Ascorbic Acid, [10] MeOH, [11] Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F-, SO4-2, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWA-2	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-29	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-47D	WG	G			2/4/25	1354	5/8			X	X	X	X	X	X	
BOW-BGWA-48D	WG	G			2/4/25	1410	5/8			X	X	X	X	X	X	
BOW-BGWC-7	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-8	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-9	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-10	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-12	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-14A	WG	G					7			X	X	X	X	X	X	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature: [signature] EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp (°C): | [ ] On Ice

Relinquished by/Company: (Signature) [signature] EnSafe	Date/Time: 2/7/25 935	Received by/Company: (Signature) [signature] Pace	Date/Time: 2/7/25 0935	Tracking Number:
Relinquished by/Company: (Signature) [signature] Pace	Date/Time: 2/7/25 1535	Received by/Company: (Signature) [signature]	Date/Time: 2/7/25 1535	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

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ENV-FRM-CORC-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Mickiff, Ben Hodges, Mike Smilley, Noalia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable: [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100ml, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Wang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (DS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Results	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4², Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-6	WG	G			2/4/25	1424	7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/7/25 935	William Laaker / Pace	2/7/25 0935
Relinquished by/Company: (Signature) Ryan William / Pace	2/7/25 1535	Received by/Company: (Signature)	2/7/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

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Pace® Location Requested (City/State): Pace Analytical Charlotte, 9800 Kincey Ave, Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for Instructions

Company Name: Georgia Power - Bowon
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowon AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F: SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample.
BOW-PZ-7	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-01	WG	G			2/4/25	—	7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FB-01	WQ	G			2/4/25	1603	7			X	X	X	X	X	X		
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-01	WQ	G			2/4/25	1612	7			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Silver

Collected By: William Loaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnDate

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnDate	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Ryan Williams / Pace	2/7/25 1535	Chanda Hauler 2/7/25	2/7/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 200, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (If applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 80mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biossay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	23203 Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl^-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-29	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-47D	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-48D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-7	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-8	WG	G			2/5/25	1024	5/8			X	X	X	X	X	X		
BOW-BGWC-9	WG	G			2/5/25	1240	5/8			X	X	X	X	X	X		
BOW-BGWC-10	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-12	WG	G			2/5/25	1430	5/8			X	X	X	X	X	X		
BOW-BGWC-14A	WG	G			2/5/25	1610	5/8			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature) EnSale	Date/Time: 2/7/25 935	Received by/Company: (Signature) Ryan Williams / Pace	Date/Time: 2/7/25 0935
Relinquished by/Company: (Signature) Ryan Williams / Pace	Date/Time: 2/7/25 1535	Received by/Company: (Signature)	Date/Time: 2/7/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
5800 Kinsey Ave. Suite 100, Huntersville, NC 28078

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Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / state origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 50mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G			2/5/25	1610	7 JS/8			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Wang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	2/7/25 935	Ryan W. Williams / Pace	2/7/25 0935
Ryan Williams / Pace	2/7/25 1515	Christa Hurls	2/7/25 1335

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Contact/Report to: Kristen Juninko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnk@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

	3	2	3	4	3	1					
	1	1	1	5+6	2	2					
Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids
BOW-BGWC-40	WG	G					7			X	X
BOW-BGWC-41D	WG	G					7			X	X
BOW-BGWC-42D	WG	G					7			X	X
BOW-BGWC-43D	WG	G					7			X	X
BOW-BGWC-44D	WG	G			2/5/25	1343	7/8			X	X
BOW-BGWC-49D	WG	G					7			X	X
BOW-BGWC-50D	WG	G			2/5/25	1112	7/8			X	X
BOW-BGWC-51	WG	G					7			X	X
BOW-BGWC-52	WG	G					7			X	X
BOW-BGWC-53D	WG	G					7			X	X

300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	
X	X	X	X	

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Sample Comment

Preservation non-conformance identified for sample

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 50mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S1

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name

Signature

EnSite

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ryan Williams / Pace	2/7/25 1535	Charles Hardee 2/3/25	2/7/25 1535
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
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Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92778530

PM: BV **Due Date: 02/28/25**

CLIENT: 92-GP-BOWLF

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/11/25 (2)

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92778530

PM: BV Due Date: 02/28/25

CLIENT: 92-GP-BOWLF

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

Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1Z	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)
CC																														
1		2			2	2	2	1																						
2		2			2	2	2	1																						
3		2			2	2	2	1																						
4		2			2	2	2	1																						
5		2			2	2	2	1																						
6		2			2	2	2	1																						
7		2			2	2	2	1																						
8		2			2	2	2	1																						
9		2			2	2	2	1																						
10		2			2	2	2	1																						
11		2			2	2	2	1																						
12		2			2	2	2	1																						

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.

WO#: 92778530

PM: BV **Due Date: 02/28/25**

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BPIN	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																															
1		2	1		2		2	1																							
2		2	1		2		2	1																							
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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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

92776530

Scan QR Code for instructions

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-6008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Date Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:

DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWA-2	WG	G			2/10/25	12:17	12/8			X	X	X	X	X	X	025
BOW-BGWA-29	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-47D	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-48D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-7	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-8	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-9	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-10	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-12	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-14A	WG	G					7			X	X	X	X	X	X	

Lab Use Only
Proj. Mgr: Bonnie Vang
Acct Num / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Test Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By:
Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	William Laaker / Pace	2/11/25 1057
William Laaker / Pace	2/11/25 1455		2/11/25 1455

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave, Suite 100, Huntersville, NC 28078

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Phone #: (470) 217-0008
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Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:

DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 50mL, (10) Other

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Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-21	WG	G			2/10/25	1544	7/8			X	X	X	X	X	X		026	
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-25	WG	G			2/10/25	1608	7/8			X	X	X	X	X	X		027	

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Pace	2/11/25 1057
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	2/11/25 1455		1455
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		2/11/25	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 200, Huntersville, NC 28078

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Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable:
Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample.
BOW-BGWC-30	WG	G			2/10/25	1057	7/8			X	X	X	X	X	X	624	
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	2/11/25 1057	Pace	2/11/25 1057	
Relinquished by/Company: (Signature) Pace	2/11/25 1455	Relinquished by/Company: (Signature)	2/11/25 1455	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 200, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G			2/10/25	1335	7/3			X	X	X	X	X	X	029
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G			2/10/25	1452	7/3			X	X	X	X	X	X	030
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X	

Lab Use Only
Proj. Mgr: Bonnie Vang
Acct/Num / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296
Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	2/11/25 1057	Pace	2/11/25 1057
Pace	2/11/25 1455		2/11/25 1455

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Mirkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [X] EDUS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml. vial, (7) EnCore, (8) TerraCore, (9) 80mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
Acctnum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
BOW-PZ-7	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD- 03	WG	G			2/10/25	—	7/8			X	X	X	X	X	X	031	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X		
BOW-AP1-FB- 03	WQ	G			2/10/25	1435	7/3			X	X	X	X	X	X	032	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X		
BOW-AP1-EB- 03	WQ	G			2/10/25	1715	7/2			X	X	X	X	X	X	033	

Additional instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	2/11/25 1057	William Laaker / Pace	2/11/25 1057	
William Laaker / Pace	2/11/25 1455		2/11/25 1455	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: 5 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0608
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-17	WG	G			2/7/25	1050	7/8			X	X	X	X	X	X		034	
BOW-BGWC-18	WG	G			2/7/25	1245	7/8			X	X	X	X	X	X		035	
BOW-BGWC-19	WG	G			2/7/25	1151	7/8			X	X	X	X	X	X		036	
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-22	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-25	WG	G					7			X	X	X	X	X	X			

Lab Use Only
Proj. Mgr: Bonnie Veng
Acct/Num / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	2/11/25 1057	Pace	2/11/25 1057	
Ryan Williams / Pace	2/11/25 1455		2/11/25 1455	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
				Page: 2 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 60mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified for sample:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl^-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-52	WG	G			2/7/25	1140	D/3			X	X	X	X	X	X	037
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace*:
Task Code: BOW-CCR-ASSMT-2025S1
Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	2/11/25 1057	Ryan Williams / Pace	2/11/25 1057	
Ryan Williams / Pace	2/11/25 1455	Chanda Hanks 2/11/25	2/11/25 1455	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: 4 of 5

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
5800 Klevey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP-1
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: krjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

*Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4--, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-PZ-7	WG	G			2/7/25	1016	8			X	X	X	X	X	X	038
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3211296
Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Lasker, Jay Siewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhone
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	2/11/25 1057	Ryan William / Pace	2/11/25 1057
Ryan William / Pace	2/11/25 1455		2/11/25 1453
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Duke Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 2/14 RT SK

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: 3.5 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.6

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

OMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

ENT NOTIFICATION/RESOLUTION

erson contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

ıaltrax ID: 69614

*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 #

aboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

ient_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP3N	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)
:C																														
		2	1				2																				2			
		2	1				2																				2			
		2	1				2																				2			
		2	1				2																				2			
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		2	1				2																				2			

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

ote: 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. it of hold, incorrect preservative, out of temp, incorrect containers.

*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 #

aboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

ient_____ Profile/EZ (Circle one)_____ Notes_____

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-5C 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)	BP3N	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)
CC																														
		2	1				1	1																		2				
		2	1				2	1																		2				
		2	1				2	1																		2				
		2	1				2	1																		2				
		2	1				2	1																		2				
0																														
1																														
2																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

ote: 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. ıt of hold, incorrect preservative, out of temp, incorrect containers.

WO# : 92778530

PM: BV **Due Date: 02/28/25**

CLIENT: 92-GP-BOWLF

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Company Name: Georgia Power - Bowen

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

Customer Project ID:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Mallett, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC28474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

Country / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID / DW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Specify Container Preservative Type***

Analysis Requested

Preservation per conference call list

Proj. Mgr.: Blanche Wang

Acctnum / Client ID:

Template #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Sample Comment

* Matrix Codes (Insert in Matrix field): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (BI), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Cook (CK), Leachate (LE), Biosolid (SS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	23208 Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 228/226	Sample Comment
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X	
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-32	WG	G			2/12/25	1110	7			X	X	X	X	X	X	1.3L of sample wgt. Submitted for RAD
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®

Task Code: BOW-CCR-ASSMT-2025S1

* Matrix Codes: Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (BI), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Cook (CK), Leachate (LE), Biosolid (SS), Other (OT)

* Appendix IV: Antimony, Arsenic, Beryllium, Boron, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

* Additional Metals: Iron, Manganese, Molybdenum, Potassium, Sodium

Collected By: Printed Name: William Lasker, Jay Siewert, Natalie Pipero, Sawyer Krouse, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards

Type of Ice: Thermometer ID: Correction Factor (°C): Cust. Temp. (°C): Comment Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Ryan Williams / Pace	2/14/25 0850	Ryan Williams / Pace	2/14/25 0850
Ryan Williams / Pace	2/14/25 0939		2/14/25 0935

Trending Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 3 of 5

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ENV-FRM-CORO-0015_v02_110123 ID

039

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY - Affix Workorder Login Label Here

Start QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnike, Minkao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-6808
	E-Mail: krjunnik@southernco.com
	CC E-Mail: Laura McGill, Ben Hodges, Mike Smiley, Noelle Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Address ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Specify Container Size **: 8 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

Data Deliverables	Regulatory Program (DW, NCRA, etc.) as applicable	Reportable [ ] Yes [ ] No
[ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other	DW PWSID # or WW Permit # as applicable:
	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
		Analysis

Lab Use Only: Proj. Mgr: Bonnie Wang; Acct/Num / Client ID; Table #; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Tissue (TS), Biossay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO_4, Cl	4500S2D Sulfide	*Appendix III + Additional Metals	RAD 226/228	Sample Comments
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G			2/12/25	1315	7			X	X	X	X	X	X	040
BOW-BGWC-42D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-43D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-53D	WG	G			2/12/25	1332	7			X	X	X	X	X	X	041

Additional Instructions from Pace®: Task Code: BOW-CCR-ASSMT-2025S1

* Appendix III - Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV - Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals - Iron, Manganese, Manganese, Potassium, Sodium

Collected By / Printed Name: William Lasker, Jay Stewart, Natalia Pipero, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number
	2/14/25 0850	William Lasker / Pace	2/14/25 0850	
William Lasker / Pace	2/14/25 0938		2/14/25 0938	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 4 of 5

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ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State):

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Phone #: (470) 217-0008

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Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

State Where Collected: [ ] AL [ ] FL [ ] MT [ ] CT [X] GT

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other

Regulatory Program (DW, NPDES, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size: 3 2 3 6 8 1

Identify Container Preservation Type: 1 1 1 5+6 2 2

Analysis Requested

Lab Use Only: Proj. Mgr.: Bonnie Wang; Account/Client ID:; Table #:; Profile/Template: 18007; Prelog/Bottle Ord. ID: EZ 3211296

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (L), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 228/228	Sample Comment
BOW-PZ-7	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-05	WG	G			2/12/25		7			X	X	X	X	X	X	042
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®

Task Code: BOW-LCR-ASSMT-202551

Collected By: Printed Name: William Lasker, Jay Swiwert, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
	2/14/25 0850	Ryan Williams / Pace	2/14/25 0850
Ryan Williams / Pace	2/14/25 0939		2/14/25 0938

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 6

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ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State)

Pace Analytical Charlotte
5898 Cleary Ave. Suite 500 Harrisville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY - Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Contact Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-6009

Email: kjurinko@southernco.com

Cc Mail: Laura McKith, Ben Hodges, Mike Smiley, Nakia Gang

Invoice To: Account Payable

Invoice Email: @georgiapowerinvoices@southernco.com

Purchase Order #:

Quote #: GPC82474-0007

Identify Container Preservative Type***

3	2	3	4	5	1
1	1	1	5+6	2	2

Analysis Requested

Time Zone Collected: AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level I [ ] Level II [ ] Level III [ ] TRRP-13 [ ] EQuIS [ ] Other

Regulatory Program (DW, NPDES, etc.) (if applicable): Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Profile / Template: 16507

Prelog / Bottle Set ID: EZ 3211296

Sample Comment

Lot Check Daily

Preservation non-conformance Identified by Lab

* Matrix Codes (Insert in Matrix column): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Other (OT), Leachate (LE), Biota (BT), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, Cl, SO4, Cl	4500-S2D Sulfide	Appendix III + IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-16	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-17	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-18	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-19	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-20	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-21	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-22	WG	G			2/13/25	1139	7			X	X	X	X	X	X	043
BOW-BGWC-23	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-24	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-25	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®

Task Code: BOW-GCCR-A-25M1 252057

Collected By: Printed Name / Signature: William Lasker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Customer Remarks / Special Conditions / Possible Hazards:

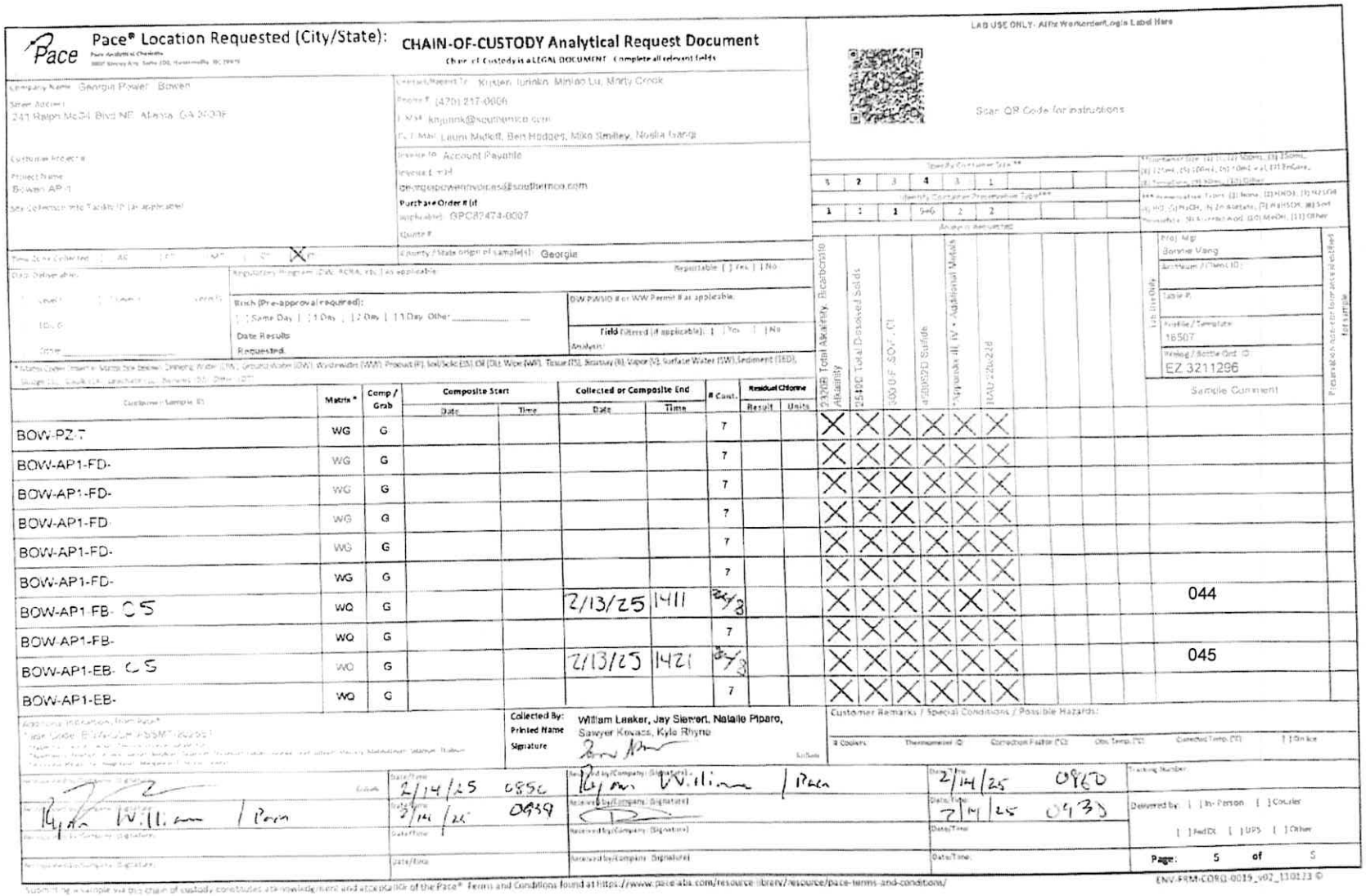
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by / Company: (Signature)	Date/Time	Received by / Company: (Signature)	Date/Time
Ryan Williams / Pace	2/14/25 0850	Ryan Williams / Pace	2/14/25 0850
Ryan Williams / Pace	2/14/25 0938		2/14/25 0938

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY - Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Contact/Report To: Kristen Junkin, Minlao Lu, Marty Crook

Phone #: (470) 217-0006

E-Mail: kmjunk@southernco.com

CC E-Mail: Laura Mallett, Ben Hodges, Mike Shelley, Nadia Isaac

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Invoice To: Account Payable

Invoice E-mail: GeorgiaPowerInvoices@SouthernCo.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level [ ] Level [ ] Level [ ] EDD [ ] Other

Regulatory Program (DW, NPDES, RCRA, etc.) (as applicable):

Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 1 Day Other: _____

Date Results Requested:

DW PWSID # or WW Permit # (as applicable):

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Ship To: [ ] Georgia Power - Bowen [ ] Other

Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | 2320B Total Alkalinity | 2540C Total Dissolved Solids | 300.0 F, SO4 - CI | 4500S2D Sulfide | Hg/mode III, IV + Additional Metals | RAD 226/228 | Sample Comment

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4 - CI	4500S2D Sulfide	Hg/mode III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-PZ-7	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FB- C5	WQ	G			2/13/25	1411	7			X	X	X	X	X	X	044
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB- C5	WQ	G			2/13/25	1421	7			X	X	X	X	X	X	045
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	

Additional Information from Pace*

Collected By: William Lasker, Jay Siemert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
[signature] / Pace	2/14/25 0856	[signature] / Pace	2/14/25 0950
[signature] / Pace	2/14/25 0939		2/14/25 0939

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 5

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power - Bowen
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #	
Project Name:	Bowen AP-1
Site Collection Info/Facility ID (as applicable)	
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EDDs [ ] Other
Report To:	Kristen Junnike, Marissa Lu, Marty Crook
Phone #:	(470) 217-0008
E-Mail:	krjunnik@southernco.com
Cc E-Mail:	Laura McGuff, Ben Hodges, Mike Smalley, Nneka Gangi
Invoice To:	Account Payable
Invoice E-mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0007
Quote #:	
County / State origin of sample(s):	Georgia
Regulatory Program (DW, NCAA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____
Date Results Requested:	
DW PWSID for WW Permit # as applicable:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (SS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units
BOW-BGWC-16	WG	G					7		
BOW-BGWC-17	WG	G					7		
BOW-BGWC-18	WG	G					7		
BOW-BGWC-19	WG	G					7		
BOW-BGWC-20	WG	G					7		
BOW-BGWC-21	WG	G					7		
BOW-BGWC-22	WG	G			2/11/25	1425	7		
BOW-BGWC-23	WG	G			2/11/25	1435	7		
BOW-BGWC-24	WG	G			2/11/25	1130	7		
BOW-BGWC-25	WG	G					7		

Additional Instructions from Pace®

Task Code: BOW-CCR-ASSMT-2025S1

*Matrix: Solid/Soil (SS), Drinking Water (DW), Water (WT), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

**Additional Matrix: Sediment, Sludge, Solid, Mineral, Soil/Solid, Oil, Biosolid, Wipe, Air, Tissue, Bioassay, Vapor, Other

Collected By (Printed Name / Signature): William Lasker, Jay Stewart, Natalie Piparo, Sawyer Howard, Kyle Rhyne

Analysis Requested

Container Size **	3	2	3	4	3	1					
Matrix / Container Preservative Type ***	1	1	1	5+6	2	2					

Analysis	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F SO4 Cl	4500-S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228					
BOW-BGWC-16	X	X	X	X	X	X					
BOW-BGWC-17	X	X	X	X	X	X					
BOW-BGWC-18	X	X	X	X	X	X					
BOW-BGWC-19	X	X	X	X	X	X					
BOW-BGWC-20	X	X	X	X	X	X					
BOW-BGWC-21	X	X	X	X	X	X					
BOW-BGWC-22	X	X	X	X	X	X					
BOW-BGWC-23	X	X	X	X	X	X					
BOW-BGWC-24	X	X	X	X	X	X					046
BOW-BGWC-25	X	X	X	X	X	X					047
	X	X	X	X	X	X					

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Soil Preservative, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Remarks / Special Conditions / Possible Hazards

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp (°C)	[ ] On Ice

Lab Use Only

Proj. Mgr:	Brenda Vang
Acct Num / Client ID:	
Table #:	
Profile / Template:	18507
Prelog / Bottle Ord. ID:	EZ 3211296
Sample Comment	

Preservation non conformance identified for sample

Relinquished by / Company (Signature)	Date/Time	Received by / Company (Signature)	Date/Time
William Lasker / Pace	2/14/25 0550	William Lasker / Pace	2/14/25 0850
	2/14/25 0938		2/14/25 0938

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 2 of 5

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY: Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnike, Matteo Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjunnik@southernco.com
Customer Project #	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Sentley, Nooka Gungi
Project Name: Bowen AP-1	Invoice To: Account Payable
Site Collection Info/Facility ID (as applicable)	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC82474-0007
	Quote #
Time Zone Collected: | | AK | | PT | | MT | | CT X ET	County / State origin of sample(s): Georgia

Data Deliverables: \| \| Level II \| \| Level III \| \| Level IV \| \| SDUS \| \| Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable: \| \| Yes \| \| No

Rush (Pre-approval required): \| \| Same Day \| \| 1 Day \| \| 2 Day \| \| 3 Day Other

Date Results Requested:

DW PWSID # or NPW Permit # as applicable:

Field Filtered (if applicable): \| \| Yes \| \| No

Analysis

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Blossom (BL), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (SO), Other (OT)

Specify Container Size**: 3 2 3 4 3 1

Specify Container Preservative Type***: 1 1 1 5+6 2 2

** Container Size: (1) 1L (2) 500mL (3) 250mL (4) 125mL (5) 100mL (6) 40mL vial (7) EnCore (8) Terracore (9) 80mL (10) Other

*** Preservative Types: (1) None (2) HNO3 (3) H2SO4 (4) HCl (5) NaOH (6) Zn Acetate (7) NaHSO4 (8) Sod Thiosulfate (9) Ascorbic Acid (10) MeOH (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4, Cl	4500SO Sulfide	*Appendix III IV + Additional Metals	RAD 226/228	Lab Use Only: Proj Mgr: Bonnie Vang; Acct Num / Client ID; Table #; Profile / Template: 18507; Prelog / Bottle Ord. ID: EZ 3211296	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X			
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-35D	WG	G			2/11/25	1234	N/A			X	X	X	X	X	X		048	
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X			
BOW-BGWC-37D	WG	G			2/11/25	1454	N/A			X	X	X	X	X	X		049	
BOW-BGWC-38D	WG	G			2/11/25	1046	N/A			X	X	X	X	X	X		050	
BOW-BGWC-39	WG	G					7			X	X	X	X	X	X			

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1

* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Manganese, Molybdenum, Selenium

Collected By / Printed Name / Signature: William Lasker, Jay Sewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Exhibit

Customer Remarks / Special Conditions / Possible Hazards

Coolers | Thermometer ID | Correction Factor (°C) | Obs. Temp. (°C) | Corrected Temp. (°C) | \| \| On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
[signature]	2/14/25 0850	Kyle Rhyne	2/14/25 0950
Kyle Rhyne	2/14/25 0939	[signature]	2/14/25 0955

Tracking Number:

Delivered by: \| \| In Person \| \| Courier \| \| FedEx \| \| UPS \| \| Other

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ENV FRM CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields.

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnko, Muntao Lu Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjunnk@southernco.com
	Cc E-Mail: Laura Mcduff, Ben Hodges, Mike Smiley, Noelia Gang
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: | | AK | | PT | | MT | | CT X ET	County / State origin of sample(s): Georgia

Data Deliverables: \| \| Level I \| \| Level II \| \| Level IV \| \| EDUS \| \| Other

Regulatory Program (DW, RCRA, etc.) as applicable — Reportable \| \| Yes \| \| No

Rush (Pre-approval required): \| \| Same Day \| \| 1 Day \| \| 2 Day \| \| 3 Day Other

Date Results Requested:

Date PWSID # or WW Permit # as applicable

Field Filtered (if applicable): \| \| Yes \| \| No

Analysis

Specify Container Size**: 3 2 3 4 1 1

Specify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

Lab Use Only

Proj. Mgr: Bonnie Wang

Acct#/Sum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Preservation non conformance noted (Y/N) for sample

* Matrix Codes (Insert in Matrix Box Below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Caulk (CK), Lime/Plaster (LP), Biofield (BF), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F SO4, Cl	4500S2D Sulfide	**Appendix III IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-41D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-42D	WG	G			2/11/25	1625	7			X	X	X	X	X	X	051
BOW-BGWC-43D	WG	G			2/11/25	1234	7			X	X	X	X	X	X	052
BOW-BGWC-44D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-49D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-50D	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-51	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-52	WG	G					7			X	X	X	X	X	X	
BOW-BGWC-53D	WG	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:
Task Code BOW-CCR-ASSMT 2025S1
* Appendix III: Boron, Calcium, Chromium, Fluoride, Sulfate, TDS
** Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
** Additional Metals: Iron, Manganese, Manganese, Potassium, Sodium

Collected By / Printed Name / Signature: William Lasker, Jay Sawyer, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Customer Remarks / Special Conditions / Possible Hazards

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp (°C)	On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
	2/14/25 0850	Lyan Wu / Pace	2/14/25 0850
Lyan Wu / Pace	2/14/25 0938		2/14/25 0938

Tracking Number

Delivered by: \| \| In-Person \| \| Courier \| \| FedEx \| \| UPS \| \| Other

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP-1

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Junnila, Marissa Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnil@southernco.com

Cc E-Mail: Laura McDuff, Ben Hodges, Mike Smalley, Noelia Gangi

Invoice To: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82478-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other

Regulatory Program (DW, NCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID #or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

Lab Use Only: Proj. Mgr: Bonnie Wang; Accnum / Client ID:; Table #:; Profile / Template: 18507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non conformance noted for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biological (BT), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F SO4, Cl	4500S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228	Sample Comment
BOW-PZ-7	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-04	WG	G			2/11/25	—	7			X	X	X	X	X	X	053
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FD-	WG	G					7			X	X	X	X	X	X	
BOW-AP1-FB-04	WQ	G			2/11/25	1629	7			X	X	X	X	X	X	054
BOW-AP1-FB-	WQ	G					7			X	X	X	X	X	X	
BOW-AP1-EB-04	WQ	G			2/11/25	1641	7			X	X	X	X	X	X	055
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	

Additional Instructions from Pace®:

Task Code BOW-CCR-ASSMT-2025S1

* Additionals to Include: Calcium, Chloride, Fluoride, Lithium, TDS

** Additionals to Include: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

*** Additional Metals: Iron, Manganese, Manganese, Potassium, Sodium

Collected By (Print and Name): William Lasher, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards

Containers | Preservation Lot ID | Correction Factor (°C) | Obs. Temp. (°C) | Corrected Temp. (°C) | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
	2/14/25 0850	William Lasher / Pace	2/14/25 0850
Ryan Williams / Pace	2/14/25 0938		2/14/25 0938

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GC Pond

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 2/21/25 SC

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: 3.1 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1:
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)
CC																														
1		2	1		8		2	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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92778530

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noella Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (O), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F^-, SO_4^{2-}, Cl^-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Common:	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					7			X	X	X	X	X	X		
BOW-BGWA-6	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-31	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-32	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-34D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-35D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-36D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-37D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-38D	WG	G					7			X	X	X	X	X	X		
BOW-BGWC-39	WG	G			2/18/25	1313	7			X	X	X	X	X	X	056	

Additional Instructions from Pace® :
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:
EnSale

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
Ryan Williams / Pace	2/21/25 1540		2/21/25 1540	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Page: 3 of 5

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ENV-FRM-CORQ-0019_v02_110123 ID

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-228
Analyst:	ZPC
Date:	2/14/2025
Worklist:	83566
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3535668
MB concentration:	0.146
M/B 2 Sigma CSU:	0.304
MB MDC:	0.672
MB Numerical Performance Indicator:	0.95
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83566	LCSD83566
Count Date:	2/19/2025	2/19/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.502	33.502
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.817
Target Conc. (pCi/L, g, F):	4.096	4.103
Uncertainty (Calculated):	0.201	0.201
Result (pCi/L, g, F):	4.033	4.140
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.925	0.921
Numerical Performance Indicator:	-0.13	0.08
Percent Recovery:	98.48%	100.89%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83566	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83566	
Sample Result (pCi/L, g, F):	4.033	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.925	
Sample Duplicate Result (pCi/L, g, F):	4.140	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.921	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.160	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	2.42%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
2/20/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	2/25/2025
Worklist:	83662
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3541408
MB concentration:	0.637
M/B 2 Sigma CSU:	0.370
MB MDC:	0.653
MB Numerical Performance Indicator:	3.37
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83662	LCSD83662
Count Date:	2/27/2025	2/27/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.412	33.412
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.819	0.823
Target Conc. (pCi/L, g, F):	4.080	4.059
Uncertainty (Calculated):	0.200	0.199
Result (pCi/L, g, F):	3.679	4.102
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.910	1.011
Numerical Performance Indicator:	-0.84	0.08
Percent Recovery:	90.17%	101.05%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83662	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83662	
Sample Result (pCi/L, g, F):	3.679	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.910	
Sample Duplicate Result (pCi/L, g, F):	4.102	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.011	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.609	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	11.38%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:
~~*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable, otherwise this batch must be re-prepped.~~ MB activity < MDC, Pass

2/28/25

2.28.25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	2/14/2025
Worklist:	83568
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3535673
MB concentration:	0.276
M/B 2 Sigma CSU:	0.289
MB MDC:	0.595
MB Numerical Performance Indicator:	1.87
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83568	LCSD83568
Count Date:	2/19/2025	2/19/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.501	33.501
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.817
Target Conc. (pCi/L, g, F):	4.094	4.102
Uncertainty (Calculated):	0.201	0.201
Result (pCi/L, g, F):	3.594	3.274
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.880	0.795
Numerical Performance Indicator:	-1.09	-1.98
Percent Recovery:	87.77%	79.81%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83568	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83568	
Sample Result (pCi/L, g, F):	3.594	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.880	
Sample Duplicate Result (pCi/L, g, F):	3.274	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.795	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.528	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	9.51%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
2/20/25

Quality Control Sample Performance Assessment

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Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	2/26/2025
Worklist:	83664
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3541413
MB concentration:	0.416
M/B 2 Sigma CSU:	0.389
MB MDC:	0.789
MB Numerical Performance Indicator:	2.10
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83664	**LCSD83664**
Count Date:	3/6/2025	3/6/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.337	33.337
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.817
Target Conc. (pCi/L, g, F):	4.087	4.083
Uncertainty (Calculated):	0.200	0.200
Result (pCi/L, g, F):	3.905	5.781
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.936	1.292
Numerical Performance Indicator:	-0.37	2.55
Percent Recovery:	95.52%	141.58%
Status vs Numerical Indicator:	N/A	Warning ✓
Status vs Recovery:	Pass	Fail High**
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83664	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83664	
Sample Result (pCi/L, g, F):	3.905	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.936	
Sample Duplicate Result (pCi/L, g, F):	5.781	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.292	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-2.305	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	38.85%	
Duplicate Status vs Numerical Indicator:	Warning ✓	
Duplicate Status vs RPD:	Fail***	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

~~**If all sample results are below MDC, the batch is acceptable, otherwise this batch must be reprepped due to LCSD failure.~~ MB activity < MDC, pass

VAL 3/7/25

3/3/25

~~NI < 3 acceptable~~ NI < 3 acceptable for LCSD

~~NI < 3~~ 3/3/25

NI < 3 acceptable for RPD

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	2/18/2025
Worklist:	83567
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3535670
MB concentration:	0.091
M/B 2 Sigma CSU:	0.148
MB MDC:	0.334
MB Numerical Performance Indicator:	1.20
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83567	LCSD83567
Count Date:	2/26/2025	2/26/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.015	25.015
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.506
Target Conc. (pCi/L, g, F):	4.960	4.939
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	5.533	5.332
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.979	0.947
Numerical Performance Indicator:	1.12	0.79
Percent Recovery:	111.55%	107.95%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83567	92778530012
Duplicate Sample I.D.	LCSD83567	92778530012DUP
Sample Result (pCi/L, g, F):	5.533	0.396
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.979	0.184
Sample Duplicate Result (pCi/L, g, F):	5.332	0.339
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.947	0.167
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.290	0.446
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.28%	15.40%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

LAM 2/27/25

CT 2-27-25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	ZPC
Date:	3/3/2025
Worklist:	83787
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3549310
MB concentration:	0.192
M/B 2 Sigma CSU:	0.350
MB MDC:	0.767
MB Numerical Performance Indicator:	1.07
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83787	LCSD83787
Count Date:	3/10/2025	3/10/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.291	33.291
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.818
Target Conc. (pCi/L, g, F):	4.060	4.068
Uncertainty (Calculated):	0.199	0.199
Result (pCi/L, g, F):	4.016	4.709
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.971	1.066
Numerical Performance Indicator:	-0.09	1.16
Percent Recovery:	98.93%	115.78%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83787	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83787	
Sample Result (pCi/L, g, F):	4.016	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.971	
Sample Duplicate Result (pCi/L, g, F):	4.709	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.066	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.942	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	15.70%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAL
3/11/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	2/24/2025
Worklist:	83569
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3535678
MB concentration:	0.053
M/B 2 Sigma CSU:	0.110
MB MDC:	0.257
MB Numerical Performance Indicator:	0.94
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83569	**LCSD83569**
Count Date:	3/3/2025	3/3/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.015	25.015
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.506	0.502
Target Conc. (pCi/L, g, F):	4.946	4.980
Uncertainty (Calculated):	0.232	0.234
Result (pCi/L, g, F):	5.894	5.062
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.052	0.905
Numerical Performance Indicator:	1.73	0.17
Percent Recovery:	119.18%	101.64%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83569	92778176008
Duplicate Sample I.D.	LCSD83569	92778176008DUP
Sample Result (pCi/L, g, F):	5.894	0.345
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.052	0.186
Sample Duplicate Result (pCi/L, g, F):	5.062	0.433
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.905	0.207
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	1.176	-0.617
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	15.88%	22.54%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 3/3/25

Quality Control Sample Performance Assessment

Pace Analytical™
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Test:	Ra-228
Analyst:	VAL
Date:	2/26/2025
Worklist:	83714
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3544458
MB concentration:	0.397
M/B 2 Sigma CSU:	0.348
MB MDC:	0.699
MB Numerical Performance Indicator:	2.24
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83714	LCSD83714
Count Date:	3/6/2025	3/6/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.337	33.337
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.819	0.820
Target Conc. (pCi/L, g, F):	4.071	4.068
Uncertainty (Calculated):	0.199	0.199
Result (pCi/L, g, F):	3.147	3.279
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.783	0.812
Numerical Performance Indicator:	-2.24	-1.85
Percent Recovery:	77.30%	80.62%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83714	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83714	
Sample Result (pCi/L, g, F):	3.147	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.783	
Sample Duplicate Result (pCi/L, g, F):	3.279	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.812	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.230	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.20%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

3/7/25

Quality Control Sample Performance Assessment

Pace Analytical™
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Test:	Ra-226
Analyst:	SLC
Date:	2/27/2025
Worklist:	83663
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3541411
MB concentration:	0.219
M/B 2 Sigma CSU:	0.137
MB MDC:	0.229
MB Numerical Performance Indicator:	3.12
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83663	LCSD83663
Count Date:	3/13/2025	3/13/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.501
Target Conc. (pCi/L, g, F):	4.968	4.997
Uncertainty (Calculated):	0.234	0.235
Result (pCi/L, g, F):	5.756	5.586
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.988	0.966
Numerical Performance Indicator:	1.52	1.16
Percent Recovery:	115.86%	111.79%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83663	92778530043
Duplicate Sample I.D.	LCSD83663	92778530043DUP
Sample Result (pCi/L, g, F):	5.756	0.415
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.988	0.195
Sample Duplicate Result (pCi/L, g, F):	5.586	0.550
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.966	0.192
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.241	-0.966
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.58%	27.96%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

~~*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.~~ N/A activity less than MDC

LAM 3/14/25

LAM 3/13/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	3/9/2025
Worklist:	83786
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3549309
MB concentration:	-0.024
M/B 2 Sigma CSU:	0.117
MB MDC:	0.342
MB Numerical Performance Indicator:	-0.40
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83786	LCSD83786
Count Date:	3/12/2025	3/12/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.524	0.522
Target Conc. (pCi/L, g, F):	4.776	4.796
Uncertainty (Calculated):	0.224	0.225
Result (pCi/L, g, F):	4.500	5.030
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.883	0.971
Numerical Performance Indicator:	-0.59	0.46
Percent Recovery:	94.24%	104.86%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83786	92779982016
Duplicate Sample I.D.	LCSD83786	92779982016DUP
Sample Result (pCi/L, g, F):	4.500	0.482 ✓
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.883	0.259 ✓
Sample Duplicate Result (pCi/L, g, F):	5.030	0.019 ✓
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.971	0.098
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.790	3.284
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	10.67%	184.96%
Duplicate Status vs Numerical Indicator:	Pass	Fail***
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

~~***Batch must be re-prepped due to unacceptable precision.~~ N/A LAM 3/12/25

Activity below RL

LAM 3/12/25

LAM3/12/25

Quality Control Sample Performance Assessment

Pace Analytical
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Test:	Ra-226
Analyst:	SLC
Date:	3/3/2025
Worklist:	83713
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3544456
MB concentration:	-0.028
M/B 2 Sigma CSU:	0.149
MB MDC:	0.405
MB Numerical Performance Indicator:	-0.36
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83713	LCSD83713
Count Date:	3/7/2025	3/7/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.015	25.015
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.510	0.505
Target Conc. (pCi/L, g, F):	4.908	4.957
Uncertainty (Calculated):	0.231	0.233
Result (pCi/L, g, F):	5.873	4.536
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.087	0.893
Numerical Performance Indicator:	1.70	-0.89
Percent Recovery:	119.68%	91.51%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83713	92779986005
Duplicate Sample I.D.	LCSD83713	92779986005DUP
Sample Result (pCi/L, g, F):	5.873	0.102
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.087	0.189
Sample Duplicate Result (pCi/L, g, F):	4.536	0.129
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.893	0.143
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	1.863	-0.221
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	26.68%	23.07%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

SLC 3/7/25

VAM 3/7/25

Quality Control Sample Performance Assessment

Pace Analytical
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Test:	Ra-226
Analyst:	SLC
Date:	2/28/2025
Worklist:	83665
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3541416
MB concentration:	0.020
M/B 2 Sigma CSU:	0.131
MB MDC:	0.331
MB Numerical Performance Indicator:	0.31
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83665	LCSD83665
Count Date:	3/6/2025	3/6/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.015	25.015
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.503
Target Conc. (pCi/L, g, F):	4.949	4.973
Uncertainty (Calculated):	0.233	0.234
Result (pCi/L, g, F):	5.670	5.433
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.000	0.971
Numerical Performance Indicator:	1.38	0.90
Percent Recovery:	114.55%	109.25%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS83665	92778530053
Duplicate Sample I.D.	LCSD83665	92778530053DUP
Sample Result (pCi/L, g, F):	5.670	1.130
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.000	0.332
Sample Duplicate Result (pCi/L, g, F):	5.433	1.171
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.971	0.339
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.333	-0.171
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.74%	3.59%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

3/7/25

LAm 3/7/25

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 29, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1
Pace Project No.: 92810483

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 01, 2025 and August 15, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

Revision 2: Removed M0 Flag.

Revision 1: Case narrative added to report.

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

Sincerely,

Anna Johnson for
Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1
Pace Project No.: 92810483

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810483001	**BOW-BGWA-47D**	Water	07/31/25 11:25	08/01/25 11:06
92810483002	**BOW-BGWA-48D**	Water	07/31/25 13:50	08/01/25 11:06
92810483003	**BOW-BGWC-8**	Water	07/31/25 16:10	08/01/25 11:06
92810483004	**BOW-BGWC-50D**	Water	07/31/25 15:10	08/01/25 11:06
92810483005	**BOW-AP1-FD-01**	Water	07/31/25 00:00	08/01/25 11:06
92810483006	**BOW-AP1-FB-01**	Water	07/31/25 16:20	08/01/25 11:06
92810483007	**BOW-AP1-EB-01**	Water	07/31/25 16:30	08/01/25 11:06
92810483008	**BOW-BGWC-9**	Water	08/04/25 11:45	08/05/25 15:07
92810483009	**BOW-BGWC-12**	Water	08/04/25 13:30	08/05/25 15:07
92810483010	**BOW-BGWC-14A**	Water	08/04/25 15:25	08/05/25 15:07
92810483011	**BOW-BGWA-2**	Water	08/05/25 14:10	08/08/25 10:28
92810483012	**BOW-BGWC-7**	Water	08/05/25 10:38	08/08/25 10:28
92810483013	**BOW-BGWC-10**	Water	08/05/25 11:53	08/08/25 10:28
92810483014	**BOW-BGWC-16**	Water	08/05/25 11:30	08/08/25 10:28
92810483015	**BOW-BGWC-17**	Water	08/05/25 13:15	08/08/25 10:28
92810483016	**BOW-BGWC-18**	Water	08/05/25 14:50	08/08/25 10:28
92810483017	**BOW-BGWC-19**	Water	08/06/25 14:58	08/08/25 10:28
92810483018	**BOW-BGWC-20**	Water	08/07/25 13:11	08/08/25 10:28
92810483019	**BOW-BGWC-22**	Water	08/07/25 14:40	08/08/25 10:28
92810483020	**BOW-BGWC-25**	Water	08/07/25 15:43	08/08/25 10:28
92810483021	**BOW-BGWC-30**	Water	08/05/25 14:12	08/08/25 10:28
92810483022	**BOW-BGWC-34D**	Water	08/07/25 16:50	08/08/25 10:28
92810483023	**BOW-BGWC-36D**	Water	08/07/25 12:46	08/08/25 10:28
92810483024	**BOW-BGWC-38D**	Water	08/06/25 15:57	08/08/25 10:28
92810483025	**BOW-BGWC-43D**	Water	08/07/25 10:53	08/08/25 10:28
92810483026	**BOW-BGWC-49D**	Water	08/06/25 13:27	08/08/25 10:28
92810483027	**BOW-AP1-FD-02**	Water	08/05/25 00:00	08/08/25 10:28
92810483028	**BOW-AP1-FB-02**	Water	08/05/25 15:55	08/08/25 10:28
92810483029	**BOW-AP1-EB-02**	Water	08/05/25 16:10	08/08/25 10:28
92810483030	**BOW-BGWC-21**	Water	08/11/25 12:55	08/12/25 14:35
92810483031	**BOW-BGWC-23**	Water	08/11/25 10:45	08/12/25 14:35
92810483032	**BOW-BGWC-24**	Water	08/11/25 11:20	08/12/25 14:35
92810483033	**BOW-BGWC-31**	Water	08/08/25 12:34	08/12/25 14:35
92810483034	**BOW-BGWC-35D**	Water	08/11/25 14:52	08/12/25 14:35
92810483035	**BOW-BGWC-40**	Water	08/08/25 11:55	08/12/25 14:35
92810483036	**BOW-BGWC-52**	Water	08/11/25 15:40	08/12/25 14:35
92810483037	**BOW-BGWC-53D**	Water	08/08/25 12:22	08/12/25 14:35

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SAMPLE SUMMARY

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810483038	**BOW-PZ-7**	Water	08/11/25 14:05	08/12/25 14:35
92810483039	**BOW-AP1-FD-03**	Water	08/08/25 00:00	08/12/25 14:35
92810483040	**BOW-AP1-FD-04**	Water	08/11/25 00:00	08/12/25 14:35
92810483041	**BOW-AP1-FB-03**	Water	08/08/25 13:10	08/12/25 14:35
92810483042	**BOW-AP1-FB-04**	Water	08/11/25 15:13	08/12/25 14:35
92810483043	**BOW-AP1-EB-03**	Water	08/08/25 13:20	08/12/25 14:35
92810483044	**BOW-AP1-EB-04**	Water	08/11/25 15:19	08/12/25 14:35
92810483045	**BOW-BGWA-29**	Water	08/12/25 14:26	08/15/25 15:09
92810483046	**BOW-BGWC-32**	Water	08/12/25 10:59	08/15/25 15:09
92810483047	**BOW-BGWC-51**	Water	08/13/25 12:19	08/15/25 15:09

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810483001	**BOW-BGWA-47D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483002	**BOW-BGWA-48D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483003	**BOW-BGWC-8**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483004	**BOW-BGWC-50D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483005	**BOW-AP1-FD-01**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483006	**BOW-AP1-FB-01**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483007	**BOW-AP1-EB-01**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483008	**BOW-BGWC-9**	EPA 6020B	TMT	1	PAN

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483009	**BOW-BGWC-12**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483010	**BOW-BGWC-14A**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483011	**BOW-BGWA-2**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483012	**BOW-BGWC-7**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483013	**BOW-BGWC-10**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483014	**BOW-BGWC-16**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483015	**BOW-BGWC-17**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483016	**BOW-BGWC-18**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483017	**BOW-BGWC-19**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483018	**BOW-BGWC-20**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483019	**BOW-BGWC-22**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483020	**BOW-BGWC-25**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483021	**BOW-BGWC-30**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483022	**BOW-BGWC-34D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810483023	**BOW-BGWC-36D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483024	**BOW-BGWC-38D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483025	**BOW-BGWC-43D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483026	**BOW-BGWC-49D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483027	**BOW-AP1-FD-02**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483028	**BOW-AP1-FB-02**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483029	**BOW-AP1-EB-02**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483030	**BOW-BGWC-21**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483031	**BOW-BGWC-23**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483032	**BOW-BGWC-24**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483033	**BOW-BGWC-31**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483034	**BOW-BGWC-35D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483035	**BOW-BGWC-40**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483036	**BOW-BGWC-52**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483037	**BOW-BGWC-53D**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	KAJ1	1	PASI-WC
92810483038	**BOW-PZ-7**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483039	**BOW-AP1-FD-03**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483040	**BOW-AP1-FD-04**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483041	**BOW-AP1-FB-03**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483042	**BOW-AP1-FB-04**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483043	**BOW-AP1-EB-03**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483044	**BOW-AP1-EB-04**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483045	**BOW-BGWA-29**	EPA 6020B	JDB	1	PAN

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2020	MDW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483046	**BOW-BGWC-32**	EPA 6020B	JDB	1	PAN
		SM 2540C-2020	MDW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92810483047	**BOW-BGWC-51**	EPA 6020B	JDB	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483001	**BOW-BGWA-47D**					
EPA 6020B	Lithium	0.000775J	mg/L	0.00200	08/25/25 18:19	J
SM 2540C-2020	Total Dissolved Solids	382	mg/L	25.0	08/06/25 12:17	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	08/02/25 22:07	
EPA 300.0 Rev 2.1 1993	Sulfate	64.8	mg/L	1.0	08/02/25 22:07	
EPA 6020B	Barium	0.053	mg/L	0.0050	08/05/25 16:58	
EPA 6020B	Boron	0.021J	mg/L	0.040	08/06/25 14:33	
EPA 6020B	Calcium	113	mg/L	4.0	08/06/25 16:04	
EPA 6020B	Selenium	0.0022J	mg/L	0.0050	08/05/25 16:58	
92810483002	**BOW-BGWA-48D**					
SM 2540C-2020	Total Dissolved Solids	336	mg/L	25.0	08/06/25 12:17	
EPA 300.0 Rev 2.1 1993	Chloride	7.6	mg/L	1.0	08/02/25 22:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/02/25 22:22	
EPA 300.0 Rev 2.1 1993	Sulfate	59.2	mg/L	1.0	08/02/25 22:22	
EPA 6020B	Arsenic	0.0034	mg/L	0.0020	08/05/25 17:02	
EPA 6020B	Barium	0.061	mg/L	0.0050	08/05/25 17:02	
EPA 6020B	Boron	0.022J	mg/L	0.040	08/06/25 14:43	
EPA 6020B	Calcium	42.2	mg/L	0.40	08/05/25 17:02	
EPA 6020B	Molybdenum	0.0036J	mg/L	0.010	08/05/25 17:02	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	08/05/25 21:34	
92810483003	**BOW-BGWC-8**					
SM 2540C-2020	Total Dissolved Solids	199	mg/L	25.0	08/06/25 12:17	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	08/02/25 22:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/02/25 22:37	
EPA 300.0 Rev 2.1 1993	Sulfate	16.2	mg/L	1.0	08/02/25 22:37	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/05/25 17:07	
EPA 6020B	Boron	0.039J	mg/L	0.040	08/06/25 14:53	
EPA 6020B	Calcium	42.9	mg/L	0.40	08/05/25 17:07	
92810483004	**BOW-BGWC-50D**					
EPA 6020B	Lithium	0.00116J	mg/L	0.00200	08/25/25 18:37	J
SM 2540C-2020	Total Dissolved Solids	422	mg/L	25.0	08/06/25 12:17	
EPA 300.0 Rev 2.1 1993	Chloride	11.0	mg/L	1.0	08/02/25 22:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/02/25 22:52	
EPA 300.0 Rev 2.1 1993	Sulfate	102	mg/L	2.0	08/03/25 04:18	
EPA 6020B	Arsenic	0.0027	mg/L	0.0020	08/05/25 17:11	
EPA 6020B	Barium	0.031	mg/L	0.0050	08/05/25 17:11	
EPA 6020B	Boron	0.027J	mg/L	0.040	08/06/25 15:23	
EPA 6020B	Calcium	59.8	mg/L	2.0	08/07/25 08:09	
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	08/05/25 17:11	
92810483005	**BOW-AP1-FD-01**					
SM 2540C-2020	Total Dissolved Solids	195	mg/L	25.0	08/06/25 12:17	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	08/02/25 23:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/02/25 23:37	
EPA 300.0 Rev 2.1 1993	Sulfate	16.6	mg/L	1.0	08/02/25 23:37	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/05/25 17:15	
EPA 6020B	Boron	0.036J	mg/L	0.040	08/06/25 15:34	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483005	**BOW-AP1-FD-01**					
EPA 6020B	Calcium	42.4	mg/L	0.40	08/05/25 17:15	
92810483008	**BOW-BGWC-9**					
EPA 6020B	Lithium	0.00211	mg/L	0.00200	08/27/25 19:59	
SM 2540C-2020	Total Dissolved Solids	344	mg/L	25.0	08/08/25 16:34	
EPA 300.0 Rev 2.1 1993	Chloride	8.5	mg/L	1.0	08/06/25 01:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/06/25 01:32	
EPA 300.0 Rev 2.1 1993	Sulfate	80.3	mg/L	1.0	08/06/25 01:32	M1
EPA 6020B	Barium	0.025	mg/L	0.0050	08/08/25 14:36	
EPA 6020B	Boron	0.45	mg/L	0.40	08/08/25 12:42	
EPA 6020B	Calcium	62.2	mg/L	4.0	08/08/25 12:42	
EPA 6020B	Chromium	0.0020J	mg/L	0.0050	08/08/25 14:36	
EPA 6020B	Molybdenum	0.0027J	mg/L	0.010	08/08/25 14:36	
EPA 6020B	Thallium	0.00018J	mg/L	0.00050	08/11/25 14:18	
92810483009	**BOW-BGWC-12**					
EPA 6020B	Lithium	0.00222	mg/L	0.00200	08/27/25 20:02	
SM 2540C-2020	Total Dissolved Solids	1100	mg/L	25.0	08/08/25 16:34	
EPA 300.0 Rev 2.1 1993	Chloride	13.5	mg/L	1.0	08/06/25 02:17	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	08/06/25 02:17	
EPA 300.0 Rev 2.1 1993	Sulfate	420	mg/L	11.0	08/06/25 15:37	
EPA 6020B	Barium	0.048	mg/L	0.0050	08/08/25 14:46	
EPA 6020B	Boron	1.6	mg/L	0.40	08/08/25 12:52	
EPA 6020B	Calcium	175	mg/L	4.0	08/08/25 12:52	
92810483010	**BOW-BGWC-14A**					
EPA 6020B	Lithium	0.00169J	mg/L	0.00200	08/27/25 20:05	J
SM 2540C-2020	Total Dissolved Solids	1040	mg/L	25.0	08/08/25 16:35	
EPA 300.0 Rev 2.1 1993	Chloride	21.4	mg/L	1.0	08/06/25 02:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.084J	mg/L	0.10	08/06/25 02:31	
EPA 300.0 Rev 2.1 1993	Sulfate	434	mg/L	11.0	08/06/25 15:51	
EPA 6020B	Barium	0.031	mg/L	0.0050	08/08/25 14:56	
EPA 6020B	Boron	1.5	mg/L	0.40	08/08/25 13:02	
EPA 6020B	Cadmium	0.00050	mg/L	0.00050	08/08/25 14:56	
EPA 6020B	Calcium	177	mg/L	4.0	08/08/25 13:02	
EPA 6020B	Cobalt	0.0028J	mg/L	0.0050	08/08/25 14:56	
EPA 6020B	Thallium	0.00057	mg/L	0.00050	08/11/25 14:38	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	08/07/25 22:31	
92810483011	**BOW-BGWA-2**					
SM 2540C-2020	Total Dissolved Solids	242	mg/L	25.0	08/09/25 15:48	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	08/09/25 22:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/09/25 22:16	
EPA 300.0 Rev 2.1 1993	Sulfate	13.4	mg/L	1.0	08/09/25 22:16	
EPA 6020B	Antimony	0.0010J	mg/L	0.0020	08/14/25 00:12	
EPA 6020B	Barium	0.099	mg/L	0.0050	08/14/25 00:12	
EPA 6020B	Boron	0.013J	mg/L	0.040	08/14/25 00:12	
EPA 6020B	Calcium	45.7	mg/L	2.0	08/18/25 23:51	
EPA 6020B	Thallium	0.00016J	mg/L	0.00050	08/14/25 00:12	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483012	**BOW-BGWC-7**					
EPA 6020B	Lithium	0.00500	mg/L	0.00200	08/28/25 00:23	
SM 2540C-2020	Total Dissolved Solids	571	mg/L	25.0	08/09/25 15:48	
EPA 300.0 Rev 2.1 1993	Chloride	6.8	mg/L	1.0	08/09/25 22:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	08/09/25 22:30	
EPA 300.0 Rev 2.1 1993	Sulfate	152	mg/L	4.0	08/10/25 09:33	
EPA 6020B	Barium	0.022	mg/L	0.0050	08/14/25 00:21	
EPA 6020B	Boron	0.69	mg/L	0.40	08/14/25 11:31	
EPA 6020B	Calcium	101	mg/L	4.0	08/14/25 11:31	
EPA 6020B	Molybdenum	0.011	mg/L	0.010	08/14/25 00:21	
EPA 6020B	Thallium	0.00015J	mg/L	0.00050	08/14/25 00:21	
92810483013	**BOW-BGWC-10**					
EPA 6020B	Lithium	0.000696J	mg/L	0.00200	08/28/25 00:26	J
SM 2540C-2020	Total Dissolved Solids	438	mg/L	25.0	08/09/25 15:49	
EPA 300.0 Rev 2.1 1993	Chloride	29.1	mg/L	1.0	08/09/25 22:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/09/25 22:44	
EPA 300.0 Rev 2.1 1993	Sulfate	95.9	mg/L	2.0	08/10/25 09:48	
EPA 6020B	Arsenic	0.0034	mg/L	0.0020	08/14/25 00:30	
EPA 6020B	Barium	0.040	mg/L	0.0050	08/14/25 00:30	
EPA 6020B	Boron	0.48	mg/L	0.40	08/14/25 11:40	
EPA 6020B	Calcium	61.8	mg/L	4.0	08/14/25 11:40	
92810483014	**BOW-BGWC-16**					
EPA 6020B	Lithium	0.000785J	mg/L	0.00200	08/28/25 16:06	J
SM 2540C-2020	Total Dissolved Solids	865	mg/L	25.0	08/09/25 15:49	
EPA 300.0 Rev 2.1 1993	Chloride	9.8	mg/L	1.0	08/09/25 22:59	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.10	08/09/25 22:59	
EPA 300.0 Rev 2.1 1993	Sulfate	400	mg/L	9.0	08/10/25 10:02	
EPA 6020B	Barium	0.022	mg/L	0.0050	08/14/25 00:40	
EPA 6020B	Beryllium	0.00024J	mg/L	0.00040	08/14/25 00:40	
EPA 6020B	Boron	2.0	mg/L	0.40	08/14/25 11:49	
EPA 6020B	Cadmium	0.0021	mg/L	0.00050	08/14/25 00:40	
EPA 6020B	Calcium	153	mg/L	4.0	08/14/25 11:49	
EPA 6020B	Cobalt	0.0093	mg/L	0.0050	08/14/25 10:35	
EPA 6020B	Lead	0.00030J	mg/L	0.0010	08/14/25 00:40	
EPA 6020B	Thallium	0.00025J	mg/L	0.00050	08/14/25 00:40	
92810483015	**BOW-BGWC-17**					
EPA 6020B	Lithium	0.000820J	mg/L	0.00200	08/28/25 16:09	J
SM 2540C-2020	Total Dissolved Solids	504	mg/L	25.0	08/09/25 15:49	
EPA 300.0 Rev 2.1 1993	Chloride	32.4	mg/L	1.0	08/09/25 23:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/09/25 23:13	
EPA 300.0 Rev 2.1 1993	Sulfate	132	mg/L	3.0	08/10/25 10:17	M1
EPA 6020B	Barium	0.016	mg/L	0.0050	08/14/25 00:49	
EPA 6020B	Boron	1.1	mg/L	0.40	08/14/25 11:58	
EPA 6020B	Calcium	82.1	mg/L	4.0	08/14/25 11:58	
EPA 7470A	Mercury	0.00037	mg/L	0.00020	08/16/25 22:38	L1

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483016	**BOW-BGWC-18**					
SM 2540C-2020	Total Dissolved Solids	345	mg/L	25.0	08/09/25 15:49	
EPA 300.0 Rev 2.1 1993	Chloride	5.3	mg/L	1.0	08/10/25 00:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	08/10/25 00:54	
EPA 300.0 Rev 2.1 1993	Sulfate	56.9	mg/L	1.0	08/10/25 00:54	M1
EPA 6020B	Barium	0.032	mg/L	0.0050	08/14/25 00:58	
EPA 6020B	Boron	0.46	mg/L	0.40	08/14/25 12:08	
EPA 6020B	Calcium	64.9	mg/L	4.0	08/14/25 12:08	
92810483017	**BOW-BGWC-19**					
SM 2540C-2020	Total Dissolved Solids	424	mg/L	25.0	08/12/25 13:36	
EPA 300.0 Rev 2.1 1993	Chloride	11.1	mg/L	1.0	08/10/25 01:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/10/25 01:38	
EPA 300.0 Rev 2.1 1993	Sulfate	111	mg/L	3.0	08/10/25 11:59	
EPA 6020B	Barium	0.041	mg/L	0.0050	08/14/25 01:26	
EPA 6020B	Boron	0.59	mg/L	0.40	08/14/25 12:17	
EPA 6020B	Calcium	75.1	mg/L	4.0	08/14/25 12:17	
92810483018	**BOW-BGWC-20**					
EPA 6020B	Lithium	0.0718	mg/L	0.00200	08/28/25 22:55	
SM 2540C-2020	Total Dissolved Solids	1420	mg/L	25.0	08/13/25 11:50	2g
EPA 300.0 Rev 2.1 1993	Chloride	130	mg/L	14.0	08/10/25 12:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/10/25 01:52	
EPA 300.0 Rev 2.1 1993	Sulfate	585	mg/L	14.0	08/10/25 12:13	
EPA 6020B	Barium	0.031	mg/L	0.0050	08/14/25 01:35	
EPA 6020B	Boron	4.7	mg/L	2.0	08/14/25 12:26	
EPA 6020B	Calcium	267	mg/L	20.0	08/14/25 12:26	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	08/14/25 01:35	
EPA 6020B	Molybdenum	0.062	mg/L	0.010	08/14/25 01:35	
EPA 6020B	Selenium	0.0022J	mg/L	0.0050	08/14/25 01:35	
EPA 6020B	Thallium	0.00025J	mg/L	0.00050	08/14/25 01:35	
92810483019	**BOW-BGWC-22**					
EPA 6020B	Lithium	0.0129	mg/L	0.00200	08/28/25 22:58	
SM 2540C-2020	Total Dissolved Solids	1370	mg/L	25.0	08/13/25 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	262	mg/L	7.0	08/10/25 12:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.27	mg/L	0.10	08/10/25 02:07	
EPA 300.0 Rev 2.1 1993	Sulfate	305	mg/L	7.0	08/10/25 12:27	
EPA 6020B	Barium	0.051	mg/L	0.0050	08/14/25 01:45	
EPA 6020B	Boron	9.8	mg/L	2.0	08/14/25 12:36	
EPA 6020B	Cadmium	0.00022J	mg/L	0.00050	08/14/25 01:45	
EPA 6020B	Calcium	252	mg/L	20.0	08/14/25 12:36	
EPA 6020B	Cobalt	0.012	mg/L	0.0050	08/14/25 01:45	
EPA 6020B	Molybdenum	0.041	mg/L	0.010	08/14/25 01:45	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	08/14/25 01:45	
EPA 6020B	Thallium	0.00064	mg/L	0.00050	08/14/25 01:45	
92810483020	**BOW-BGWC-25**					
SM 2540C-2020	Total Dissolved Solids	284	mg/L	25.0	08/13/25 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	21.9	mg/L	1.0	08/10/25 02:21	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483020	**BOW-BGWC-25**					
EPA 300.0 Rev 2.1 1993	Sulfate	40.7	mg/L	1.0	08/10/25 02:21	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/14/25 01:54	
EPA 6020B	Boron	0.17	mg/L	0.040	08/14/25 01:54	
EPA 6020B	Calcium	54.8	mg/L	2.0	08/19/25 00:00	
92810483021	**BOW-BGWC-30**					
EPA 6020B	Lithium	0.00132J	mg/L	0.00200	08/28/25 17:10	J
SM 2540C-2020	Total Dissolved Solids	528	mg/L	25.0	08/09/25 15:49	
EPA 300.0 Rev 2.1 1993	Chloride	98.5	mg/L	1.0	08/10/25 03:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	08/10/25 03:04	
EPA 300.0 Rev 2.1 1993	Sulfate	48.7	mg/L	1.0	08/10/25 03:04	
EPA 6020B	Antimony	0.00051J	mg/L	0.0020	08/14/25 02:03	
EPA 6020B	Barium	0.061	mg/L	0.0050	08/14/25 02:03	
EPA 6020B	Boron	1.7	mg/L	0.40	08/14/25 12:45	
EPA 6020B	Calcium	80.8	mg/L	4.0	08/14/25 12:45	
EPA 6020B	Molybdenum	0.0048J	mg/L	0.010	08/14/25 02:03	
EPA 6020B	Selenium	0.0053	mg/L	0.0050	08/14/25 02:03	
92810483022	**BOW-BGWC-34D**					
EPA 6020B	Lithium	0.000812J	mg/L	0.00200	08/28/25 17:13	J
SM 2540C-2020	Total Dissolved Solids	580	mg/L	25.0	08/13/25 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	48.5	mg/L	1.0	08/10/25 03:19	
EPA 300.0 Rev 2.1 1993	Sulfate	157	mg/L	4.0	08/10/25 12:41	
EPA 6020B	Arsenic	0.014	mg/L	0.0020	08/14/25 02:50	
EPA 6020B	Barium	0.052	mg/L	0.0050	08/14/25 02:50	
EPA 6020B	Boron	0.44	mg/L	0.40	08/14/25 13:50	
EPA 6020B	Calcium	117	mg/L	4.0	08/14/25 13:50	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	08/14/25 02:50	
92810483023	**BOW-BGWC-36D**					
EPA 6020B	Lithium	0.00173J	mg/L	0.00200	08/28/25 17:16	J
SM 2540C-2020	Total Dissolved Solids	683	mg/L	25.0	08/13/25 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	197	mg/L	4.0	08/10/25 12:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/10/25 03:33	
EPA 300.0 Rev 2.1 1993	Sulfate	96.6	mg/L	4.0	08/10/25 12:56	
EPA 6020B	Barium	0.053	mg/L	0.0050	08/14/25 03:36	
EPA 6020B	Boron	3.1	mg/L	2.0	08/14/25 13:59	
EPA 6020B	Calcium	118	mg/L	20.0	08/14/25 13:59	
EPA 6020B	Molybdenum	0.0082J	mg/L	0.010	08/14/25 03:36	
EPA 6020B	Selenium	0.012	mg/L	0.0050	08/14/25 03:36	
EPA 6020B	Thallium	0.00017J	mg/L	0.00050	08/14/25 03:36	
92810483024	**BOW-BGWC-38D**					
EPA 6020B	Lithium	0.00189J	mg/L	0.00200	08/28/25 23:01	J
SM 2540C-2020	Total Dissolved Solids	964	mg/L	50.0	08/12/25 13:36	
EPA 300.0 Rev 2.1 1993	Chloride	231	mg/L	5.0	08/10/25 13:10	
EPA 300.0 Rev 2.1 1993	Fluoride	0.40	mg/L	0.10	08/10/25 03:48	
EPA 300.0 Rev 2.1 1993	Sulfate	143	mg/L	5.0	08/10/25 13:10	
EPA 6020B	Antimony	0.0028	mg/L	0.0020	08/14/25 03:46	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483024	**BOW-BGWC-38D**					
EPA 6020B	Barium	0.10	mg/L	0.0050	08/14/25 03:46	
EPA 6020B	Boron	6.4	mg/L	2.0	08/14/25 14:09	
EPA 6020B	Calcium	156	mg/L	20.0	08/14/25 14:09	
EPA 6020B	Molybdenum	0.084	mg/L	0.010	08/14/25 03:46	
EPA 6020B	Selenium	0.011	mg/L	0.0050	08/14/25 03:46	
EPA 6020B	Thallium	0.00016J	mg/L	0.00050	08/14/25 03:46	
EPA 7470A	Mercury	0.00026	mg/L	0.00020	08/16/25 23:11	L1
92810483025	**BOW-BGWC-43D**					
EPA 6020B	Lithium	0.0173	mg/L	0.00200	08/28/25 23:05	
SM 2540C-2020	Total Dissolved Solids	1100	mg/L	25.0	08/13/25 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	279	mg/L	6.0	08/10/25 13:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.94	mg/L	0.10	08/10/25 04:02	
EPA 300.0 Rev 2.1 1993	Sulfate	221	mg/L	6.0	08/10/25 13:24	
EPA 6020B	Barium	0.049	mg/L	0.0050	08/14/25 03:55	
EPA 6020B	Boron	8.5	mg/L	2.0	08/14/25 14:18	
EPA 6020B	Cadmium	0.00047J	mg/L	0.00050	08/14/25 03:55	
EPA 6020B	Calcium	206	mg/L	20.0	08/14/25 14:18	
EPA 6020B	Cobalt	0.0023J	mg/L	0.0050	08/14/25 03:55	
EPA 6020B	Molybdenum	0.17	mg/L	0.010	08/14/25 03:55	
EPA 6020B	Selenium	0.0030J	mg/L	0.0050	08/14/25 03:55	
EPA 6020B	Thallium	0.0021	mg/L	0.00050	08/14/25 03:55	
92810483026	**BOW-BGWC-49D**					
EPA 6020B	Lithium	0.00427	mg/L	0.00200	08/28/25 23:08	
SM 2540C-2020	Total Dissolved Solids	1280	mg/L	50.0	08/12/25 13:36	
EPA 300.0 Rev 2.1 1993	Chloride	418	mg/L	9.0	08/10/25 13:38	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/10/25 04:16	
EPA 300.0 Rev 2.1 1993	Sulfate	205	mg/L	9.0	08/10/25 13:38	M1
EPA 6020B	Barium	0.060	mg/L	0.0050	08/14/25 04:04	
EPA 6020B	Boron	6.9	mg/L	2.0	08/14/25 14:27	
EPA 6020B	Calcium	204	mg/L	20.0	08/14/25 14:27	
EPA 6020B	Molybdenum	0.0051J	mg/L	0.010	08/14/25 04:04	
EPA 6020B	Selenium	0.0050	mg/L	0.0050	08/14/25 04:04	
92810483027	**BOW-AP1-FD-02**					
EPA 6020B	Lithium	0.00137J	mg/L	0.00200	08/28/25 15:54	J
SM 2540C-2020	Total Dissolved Solids	558	mg/L	25.0	08/09/25 15:51	
EPA 300.0 Rev 2.1 1993	Chloride	99.8	mg/L	1.0	08/10/25 05:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	08/10/25 05:00	
EPA 300.0 Rev 2.1 1993	Sulfate	49.7	mg/L	1.0	08/10/25 05:00	
EPA 6020B	Antimony	0.00053J	mg/L	0.0020	08/14/25 04:14	
EPA 6020B	Barium	0.061	mg/L	0.0050	08/14/25 04:14	
EPA 6020B	Boron	1.7	mg/L	0.40	08/14/25 14:36	
EPA 6020B	Calcium	80.6	mg/L	4.0	08/14/25 14:36	
EPA 6020B	Molybdenum	0.0048J	mg/L	0.010	08/14/25 04:14	
EPA 6020B	Selenium	0.0060	mg/L	0.0050	08/14/25 04:14	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483028	**BOW-AP1-FB-02**					
EPA 6020B	Boron	0.015J	mg/L	0.040	08/14/25 04:23	
92810483029	**BOW-AP1-EB-02**					
EPA 6020B	Boron	0.0074J	mg/L	0.040	08/14/25 04:32	
92810483030	**BOW-BGWC-21**					
SM 2540C-2020	Total Dissolved Solids	253	mg/L	25.0	08/18/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	4.9	mg/L	1.0	08/13/25 00:50	
EPA 300.0 Rev 2.1 1993	Sulfate	52.2	mg/L	1.0	08/13/25 00:50	M1, R1
EPA 6020B	Barium	0.018	mg/L	0.0050	08/26/25 01:50	
EPA 6020B	Boron	0.030J	mg/L	0.040	08/26/25 01:50	
EPA 6020B	Calcium	43.5	mg/L	10.0	08/27/25 07:01	
EPA 6020B	Cobalt	0.010	mg/L	0.0050	08/26/25 01:50	
EPA 6020B	Molybdenum	0.0040J	mg/L	0.010	08/26/25 01:50	
92810483031	**BOW-BGWC-23**					
EPA 6020B	Lithium	0.0122	mg/L	0.00200	09/03/25 20:12	
SM 2540C-2020	Total Dissolved Solids	1450	mg/L	50.0	08/18/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	291	mg/L	7.0	08/13/25 14:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	08/13/25 02:02	
EPA 300.0 Rev 2.1 1993	Sulfate	214	mg/L	7.0	08/13/25 14:46	
EPA 6020B	Antimony	0.0034	mg/L	0.0020	08/26/25 01:59	
EPA 6020B	Barium	0.044	mg/L	0.0050	08/26/25 01:59	
EPA 6020B	Boron	6.0	mg/L	1.0	08/27/25 07:09	
EPA 6020B	Calcium	228	mg/L	10.0	08/27/25 07:09	
EPA 6020B	Molybdenum	0.0043J	mg/L	0.010	08/26/25 01:59	
EPA 6020B	Selenium	0.0034J	mg/L	0.0050	08/26/25 01:59	M1
EPA 6020B	Thallium	0.00036J	mg/L	0.00050	08/26/25 01:59	
92810483032	**BOW-BGWC-24**					
EPA 6020B	Lithium	0.00614	mg/L	0.00200	09/03/25 20:15	
SM 2540C-2020	Total Dissolved Solids	1680	mg/L	125	08/18/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	390	mg/L	9.0	08/13/25 15:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	08/13/25 02:17	
EPA 300.0 Rev 2.1 1993	Sulfate	267	mg/L	9.0	08/13/25 15:00	
EPA 6020B	Antimony	0.0090	mg/L	0.0020	08/26/25 02:42	
EPA 6020B	Arsenic	0.0022	mg/L	0.0020	08/26/25 02:42	
EPA 6020B	Barium	0.037	mg/L	0.0050	08/26/25 02:42	
EPA 6020B	Beryllium	0.00029J	mg/L	0.00040	08/26/25 02:42	
EPA 6020B	Boron	11.7	mg/L	2.0	08/27/25 10:40	
EPA 6020B	Cadmium	0.0019	mg/L	0.00050	08/26/25 02:42	
EPA 6020B	Calcium	337	mg/L	20.0	08/27/25 10:40	
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	08/26/25 02:42	
EPA 6020B	Selenium	0.0083	mg/L	0.0050	08/26/25 02:42	
EPA 6020B	Thallium	0.00028J	mg/L	0.00050	08/26/25 02:42	
EPA 7470A	Mercury	0.00094	mg/L	0.00020	08/16/25 00:01	
92810483033	**BOW-BGWC-31**					
SM 2540C-2020	Total Dissolved Solids	472	mg/L	25.0	08/14/25 14:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483033	**BOW-BGWC-31**					
EPA 300.0 Rev 2.1 1993	Chloride	26.6	mg/L	1.0	08/13/25 02:31	
EPA 300.0 Rev 2.1 1993	Sulfate	114	mg/L	3.0	08/13/25 15:14	
EPA 6020B	Arsenic	0.0029	mg/L	0.0020	08/26/25 02:50	
EPA 6020B	Barium	0.039	mg/L	0.0050	08/26/25 02:50	
EPA 6020B	Boron	0.70	mg/L	0.20	08/27/25 10:49	
EPA 6020B	Calcium	76.9	mg/L	2.0	08/27/25 10:49	
92810483034	**BOW-BGWC-35D**					
EPA 6020B	Lithium	0.0193	mg/L	0.00200	09/03/25 20:18	
SM 2540C-2020	Total Dissolved Solids	2770	mg/L	250	08/18/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	657	mg/L	15.0	08/13/25 15:28	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/13/25 02:45	
EPA 300.0 Rev 2.1 1993	Sulfate	472	mg/L	15.0	08/13/25 15:28	
EPA 6020B	Arsenic	0.0030	mg/L	0.0020	08/26/25 02:59	
EPA 6020B	Barium	0.051	mg/L	0.0050	08/26/25 02:59	
EPA 6020B	Boron	10.5	mg/L	2.0	08/27/25 10:57	
EPA 6020B	Calcium	464	mg/L	20.0	08/27/25 10:57	
EPA 6020B	Chromium	0.0086	mg/L	0.0050	08/26/25 02:59	
EPA 6020B	Molybdenum	0.025	mg/L	0.010	08/26/25 02:59	
EPA 6020B	Selenium	0.0078	mg/L	0.0050	08/26/25 02:59	
92810483035	**BOW-BGWC-40**					
SM 2540C-2020	Total Dissolved Solids	506	mg/L	25.0	08/14/25 14:03	1g
EPA 300.0 Rev 2.1 1993	Chloride	58.6	mg/L	1.0	08/13/25 03:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.059J	mg/L	0.10	08/13/25 03:00	
EPA 300.0 Rev 2.1 1993	Sulfate	88.9	mg/L	2.0	08/13/25 15:43	
EPA 6020B	Barium	0.033	mg/L	0.0050	08/26/25 03:25	
EPA 6020B	Boron	1.8	mg/L	1.0	08/27/25 11:06	
EPA 6020B	Calcium	103	mg/L	10.0	08/27/25 11:06	
EPA 6020B	Selenium	0.0066	mg/L	0.0050	08/26/25 03:25	
92810483036	**BOW-BGWC-52**					
EPA 6020B	Lithium	0.00143J	mg/L	0.00200	09/03/25 16:21	J
SM 2540C-2020	Total Dissolved Solids	321	mg/L	25.0	08/18/25 13:04	
EPA 300.0 Rev 2.1 1993	Chloride	31.4	mg/L	1.0	08/13/25 03:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	08/13/25 03:14	
EPA 300.0 Rev 2.1 1993	Sulfate	74.5	mg/L	1.0	08/13/25 03:14	
EPA 6020B	Barium	0.018	mg/L	0.0050	08/26/25 03:33	
EPA 6020B	Boron	0.83	mg/L	0.20	08/27/25 11:15	
EPA 6020B	Calcium	67.8	mg/L	2.0	08/27/25 11:15	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	08/26/25 03:33	
EPA 6020B	Selenium	0.0031J	mg/L	0.0050	08/26/25 03:33	
92810483037	**BOW-BGWC-53D**					
EPA 6020B	Lithium	0.00114J	mg/L	0.00200	09/03/25 16:24	J
SM 2540C-2020	Total Dissolved Solids	1020	mg/L	50.0	08/14/25 14:03	
EPA 300.0 Rev 2.1 1993	Chloride	40.1	mg/L	1.0	08/13/25 03:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/13/25 03:29	
EPA 300.0 Rev 2.1 1993	Sulfate	457	mg/L	10.0	08/13/25 18:30	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483037	**BOW-BGWC-53D**					
EPA 6020B	Arsenic	0.0015J	mg/L	0.0020	08/26/25 03:42	
EPA 6020B	Barium	0.048	mg/L	0.0050	08/26/25 03:42	
EPA 6020B	Boron	3.1	mg/L	1.0	08/27/25 11:23	
EPA 6020B	Calcium	165	mg/L	10.0	08/27/25 11:23	
EPA 6020B	Molybdenum	0.0027J	mg/L	0.010	08/26/25 03:42	
92810483038	**BOW-PZ-7**					
EPA 6020B	Lithium	0.00351	mg/L	0.00200	09/03/25 20:21	
SM 2540C-2020	Total Dissolved Solids	872	mg/L	50.0	08/18/25 13:04	
EPA 300.0 Rev 2.1 1993	Chloride	25.0	mg/L	1.0	08/13/25 03:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.051J	mg/L	0.10	08/13/25 03:43	
EPA 300.0 Rev 2.1 1993	Sulfate	249	mg/L	8.0	08/13/25 20:45	
EPA 6020B	Barium	0.028	mg/L	0.0050	08/26/25 03:51	
EPA 6020B	Boron	2.8	mg/L	1.0	08/27/25 11:32	
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	08/26/25 03:51	
EPA 6020B	Calcium	169	mg/L	10.0	08/27/25 11:32	
EPA 6020B	Thallium	0.00036J	mg/L	0.00050	08/26/25 03:51	
EPA 7470A	Mercury	0.0013	mg/L	0.00020	08/16/25 00:22	
92810483039	**BOW-AP1-FD-03**					
SM 2540C-2020	Total Dissolved Solids	457	mg/L	25.0	08/14/25 14:03	
EPA 300.0 Rev 2.1 1993	Chloride	26.6	mg/L	1.0	08/13/25 04:26	
EPA 300.0 Rev 2.1 1993	Sulfate	88.3	mg/L	3.0	08/13/25 18:58	
EPA 6020B	Arsenic	0.0030	mg/L	0.0020	08/26/25 03:59	
EPA 6020B	Barium	0.038	mg/L	0.0050	08/26/25 03:59	
EPA 6020B	Boron	0.72	mg/L	0.20	08/27/25 11:40	
EPA 6020B	Calcium	79.1	mg/L	2.0	08/27/25 11:40	
92810483040	**BOW-AP1-FD-04**					
EPA 6020B	Lithium	0.00155J	mg/L	0.00200	09/03/25 16:33	J
SM 2540C-2020	Total Dissolved Solids	317	mg/L	25.0	08/18/25 13:04	
EPA 300.0 Rev 2.1 1993	Chloride	31.7	mg/L	1.0	08/13/25 04:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	08/13/25 04:41	
EPA 300.0 Rev 2.1 1993	Sulfate	74.7	mg/L	1.0	08/13/25 04:41	M1
EPA 6020B	Barium	0.018	mg/L	0.0050	08/26/25 04:08	
EPA 6020B	Boron	0.82	mg/L	0.20	08/27/25 11:49	
EPA 6020B	Calcium	66.5	mg/L	2.0	08/27/25 11:49	
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	08/26/25 04:08	
EPA 6020B	Selenium	0.0031J	mg/L	0.0050	08/26/25 04:08	
92810483045	**BOW-BGWA-29**					
EPA 6020B	Lithium	0.00197J	mg/L	0.00200	09/03/25 12:25	J
SM 2540C-2020	Total Dissolved Solids	115	mg/L	25.0	08/18/25 22:00	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	08/16/25 21:18	
EPA 300.0 Rev 2.1 1993	Sulfate	2.8	mg/L	1.0	08/16/25 21:18	
EPA 6020B	Barium	0.012	mg/L	0.0050	09/05/25 00:38	
EPA 6020B	Boron	0.0092J	mg/L	0.040	09/05/25 00:38	
EPA 6020B	Calcium	20.1	mg/L	0.40	09/05/25 12:16	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92810483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810483046	**BOW-BGWC-32**					
EPA 6020B	Lithium	0.00116J	mg/L	0.00200	09/03/25 12:28	J
SM 2540C-2020	Total Dissolved Solids	1680	mg/L	50.0	08/18/25 22:00	
EPA 300.0 Rev 2.1 1993	Chloride	177	mg/L	4.0	08/17/25 06:54	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.089J	mg/L	0.10	08/16/25 22:01	
EPA 300.0 Rev 2.1 1993	Sulfate	157	mg/L	4.0	08/17/25 06:54	M1
EPA 6020B	Barium	0.083	mg/L	0.0050	09/05/25 00:45	
EPA 6020B	Boron	0.92	mg/L	0.40	09/05/25 12:23	
EPA 6020B	Calcium	126	mg/L	4.0	09/05/25 12:23	
EPA 6020B	Molybdenum	0.0040J	mg/L	0.010	09/05/25 00:45	
EPA 6020B	Selenium	0.0013J	mg/L	0.0050	09/05/25 00:45	
92810483047	**BOW-BGWC-51**					
EPA 6020B	Lithium	0.00140J	mg/L	0.00200	09/03/25 12:31	J
SM 2540C-2020	Total Dissolved Solids	432	mg/L	25.0	08/20/25 13:10	
EPA 300.0 Rev 2.1 1993	Chloride	46.1	mg/L	1.0	08/16/25 22:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	08/16/25 22:44	
EPA 300.0 Rev 2.1 1993	Sulfate	99.7	mg/L	1.0	08/16/25 22:44	
EPA 6020B	Barium	0.0079	mg/L	0.0050	09/05/25 00:53	
EPA 6020B	Boron	1.1	mg/L	0.40	09/05/25 12:30	
EPA 6020B	Calcium	80.1	mg/L	4.0	09/05/25 12:30	
EPA 6020B	Selenium	0.0062	mg/L	0.0050	09/05/25 00:53	

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Date: October 29, 2025

The MS recovery of mercury in the MS/MSD pair using sample BOW-BGWC-19 (92810483017) was ND but the MSD recovery was within laboratory specified acceptance criteria.

The lab re-checked and re-ran the data. The MS recovery is now reporting at 0.0019 mg/L with the MS recovery at 96%. Still within the recovery limits.

There was a sample mix-up with BGWC-20 (92810483018), which also affected the MS/MSD. The sample was reanalyzed to confirm the results, and the revised data is now reported

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 6020B**
Description: Metals (ICPMS) 6020B
Client: Georgia Power- Bowen
Date: October 29, 2025

General Information:
47 samples were analyzed for EPA 6020B by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **SM 2540C-2020**
Description: 2540C Total Dissolved Solids
Client: Georgia Power- Bowen
Date: October 29, 2025

General Information:
47 samples were analyzed for SM 2540C-2020 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 953690

2g: Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was 0.0055 g

- BOW-BGWC-20 (Lab ID: 92810483018)
  - Total Dissolved Solids

QC Batch: 954031

1g: Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was .0015 grams.

- BOW-BGWC-40 (Lab ID: 92810483035)
  - Total Dissolved Solids

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 300.0 Rev 2.1 1993**
Description: 300.0 IC Anions 28 Days
Client: Georgia Power- Bowen
Date: October 29, 2025

General Information:
47 samples were analyzed for EPA 300.0 Rev 2.1 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 951623

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810390001,92810475004

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

- MS (Lab ID: 4890095)
  - Chloride
  - Sulfate
- MSD (Lab ID: 4890096)
  - Chloride
  - Sulfate

QC Batch: 952091

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483008,92810835007

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

- MS (Lab ID: 4892237)
  - Sulfate
- MSD (Lab ID: 4892238)
  - Sulfate

QC Batch: 953016

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483015,92812087001

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

- MS (Lab ID: 4897701)
  - Sulfate
- MSD (Lab ID: 4897702)
  - Sulfate

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 300.0 Rev 2.1 1993**
Description: 300.0 IC Anions 28 Days
Client: Georgia Power- Bowen
Date: October 29, 2025

QC Batch: 953017

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483016,92810483026

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

- MS (Lab ID: 4897705)
  - Sulfate
- MS (Lab ID: 4897707)
  - Chloride
  - Sulfate
- MSD (Lab ID: 4897706)
  - Sulfate
- MSD (Lab ID: 4897708)
  - Chloride
  - Sulfate

QC Batch: 953568

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483030,92810483040

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

- MS (Lab ID: 4900758)
  - Sulfate
- MSD (Lab ID: 4900757)
  - Sulfate
- MSD (Lab ID: 4900759)
  - Sulfate

R1: RPD value was outside control limits.

- MSD (Lab ID: 4900757)
  - Sulfate

QC Batch: 954530

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92813438004,92813493002

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

- MS (Lab ID: 4906221)
  - Sulfate
- MSD (Lab ID: 4906222)
  - Sulfate

QC Batch: 954531

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483046

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

- MS (Lab ID: 4906225)
  - Chloride
  - Sulfate
- MSD (Lab ID: 4906226)
  - Chloride
  - Sulfate

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 300.0 Rev 2.1 1993**
Description: 300.0 IC Anions 28 Days
Client: Georgia Power- Bowen
Date: October 29, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 6020B**
Description: WC 6020B MET ICPMS
Client: Georgia Power- Bowen
Date: October 29, 2025

General Information:
47 samples were analyzed for EPA 6020B by Pace Analytical Services West Columbia. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 952513

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810752001

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

- MS (Lab ID: 4894665)
  - Molybdenum
- MSD (Lab ID: 4894666)
  - Molybdenum

QC Batch: 953942

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483031

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

- MS (Lab ID: 4902859)

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 6020B**
Description: WC 6020B MET ICPMS
Client: Georgia Power- Bowen
Date: October 29, 2025

QC Batch: 953942

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92810483031

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

- Selenium
- MSD (Lab ID: 4902860)
  - Selenium

QC Batch: 954880

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92813443001

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

- MS (Lab ID: 4907685)
  - Boron
  - Calcium
- MSD (Lab ID: 4907686)
  - Boron
  - Calcium

Additional Comments:

Analyte Comments:

QC Batch: 954880

3g: The same analyte was detected in an associated instrument blank at a concentration above 1/2 the reporting limit but below the reporting limit. The analyte concentration in the sample is at least ten times greater than the blank concentration or is below the reporting limit.

- BOW-BGWC-32 (Lab ID: 92810483046)
  - Thallium
- BOW-BGWC-51 (Lab ID: 92810483047)
  - Thallium

4g: The same analyte was detected in an associated instrument blank at a concentration above 1/2 the reporting limit but below the reporting limit. The concentration in the method blank was below the reporting limit and will be reported.

- BLANK (Lab ID: 4907683)
  - Thallium

5g: The same analyte was detected in an associated instrument blank at a concentration above half the reporting limit but less than the reporting limit. The concentration in the LCS was greater than ten times the concentration in the instrument blank, and the percent recovery was within method acceptance limits.

- LCS (Lab ID: 4907684)
  - Thallium

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PROJECT NARRATIVE

Project: Bowen AP-1
Pace Project No.: 92810483

Method: **EPA 7470A**
Description: WCOL 7470 Mercury
Client: Georgia Power- Bowen
Date: October 29, 2025

General Information:
47 samples were analyzed for EPA 7470A by Pace Analytical Services West Columbia. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 953242

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4898763)
  - Mercury

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWA-47D **Lab ID: 92810483001** Collected: 07/31/25 11:25 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000775J**	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:19	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**382**	mg/L	25.0	25.0	1		08/06/25 12:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.7**	mg/L	1.0	0.60	1		08/02/25 22:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/02/25 22:07	16984-48-8	
Sulfate	**64.8**	mg/L	1.0	0.50	1		08/02/25 22:07	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 16:58	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 16:58	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:58	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 16:58	7440-41-7	
Boron	**0.021J**	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 14:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 16:58	7440-43-9	
Calcium	**113**	mg/L	4.0	1.0	10	08/04/25 19:25	08/06/25 16:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:58	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 16:58	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:58	7439-98-7	
Selenium	**0.0022J**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:58	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 16:58	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:32	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWA-48D **Lab ID: 92810483002** Collected: 07/31/25 13:50 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:23	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**336**	mg/L	25.0	25.0	1		08/06/25 12:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**7.6**	mg/L	1.0	0.60	1		08/02/25 22:22	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		08/02/25 22:22	16984-48-8	
Sulfate	**59.2**	mg/L	1.0	0.50	1		08/02/25 22:22	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 17:02	7440-36-0	
Arsenic	**0.0034**	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 17:02	7440-38-2	
Barium	**0.061**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:02	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 17:02	7440-41-7	
Boron	**0.022J**	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 14:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 17:02	7440-43-9	
Calcium	**42.2**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 17:02	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 17:02	7439-92-1	
Molybdenum	**0.0036J**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 17:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:02	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 17:02	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00014J**	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:34	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-8 **Lab ID: 92810483003** Collected: 07/31/25 16:10 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:26	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**199**	mg/L	25.0	25.0	1		08/06/25 12:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.7**	mg/L	1.0	0.60	1		08/02/25 22:37	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		08/02/25 22:37	16984-48-8	
Sulfate	**16.2**	mg/L	1.0	0.50	1		08/02/25 22:37	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 17:07	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 17:07	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:07	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 17:07	7440-41-7	
Boron	**0.039J**	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 14:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 17:07	7440-43-9	
Calcium	**42.9**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 17:07	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 17:07	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 17:07	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:07	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 17:07	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-50D **Lab ID: 92810483004** Collected: 07/31/25 15:10 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00116J**	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:37	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**422**	mg/L	25.0	25.0	1		08/06/25 12:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**11.0**	mg/L	1.0	0.60	1		08/02/25 22:52	16887-00-6	
Fluoride	**0.076J**	mg/L	0.10	0.050	1		08/02/25 22:52	16984-48-8	
Sulfate	**102**	mg/L	2.0	1.0	2		08/03/25 04:18	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 17:11	7440-36-0	
Arsenic	**0.0027**	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 17:11	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:11	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 17:11	7440-41-7	
Boron	**0.027J**	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 15:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 17:11	7440-43-9	
Calcium	**59.8**	mg/L	2.0	0.50	5	08/04/25 19:25	08/07/25 08:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:11	7440-47-3	
Cobalt	**0.0013J**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:11	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 17:11	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 17:11	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:11	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 17:11	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:39	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FD-01 **Lab ID: 92810483005** Collected: 07/31/25 00:00 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:40	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**195**	mg/L	25.0	25.0	1		08/06/25 12:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.7**	mg/L	1.0	0.60	1		08/02/25 23:37	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		08/02/25 23:37	16984-48-8	
Sulfate	**16.6**	mg/L	1.0	0.50	1		08/02/25 23:37	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 17:15	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 17:15	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:15	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 17:15	7440-41-7	
Boron	**0.036J**	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 15:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 17:15	7440-43-9	
Calcium	**42.4**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 17:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 17:15	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 17:15	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:15	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 17:15	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:42	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FB-01 **Lab ID: 92810483006** Collected: 07/31/25 16:20 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:44	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/06/25 12:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/02/25 13:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/02/25 13:40	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/02/25 13:40	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 17:20	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 17:20	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:20	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 17:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 15:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 17:20	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 17:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 17:20	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 17:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:20	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 17:20	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:44	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-EB-01 **Lab ID: 92810483007** Collected: 07/31/25 16:30 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/06/25 17:30	08/25/25 18:47	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/06/25 12:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/02/25 14:54	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/02/25 14:54	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/02/25 14:54	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/04/25 19:25	08/05/25 17:24	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/04/25 19:25	08/05/25 17:24	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:24	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/04/25 19:25	08/05/25 17:24	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 15:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/04/25 19:25	08/05/25 17:24	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 17:24	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/04/25 19:25	08/05/25 17:24	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 17:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 17:24	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/04/25 19:25	08/05/25 17:24	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/05/25 18:17	08/05/25 21:52	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-9 **Lab ID: 92810483008** Collected: 08/04/25 11:45 Received: 08/05/25 15:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00211**	mg/L	0.00200	0.000600	1	08/14/25 08:58	08/27/25 19:59	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**344**	mg/L	25.0	25.0	1		08/08/25 16:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.5**	mg/L	1.0	0.60	1		08/06/25 01:32	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.050	1		08/06/25 01:32	16984-48-8	
Sulfate	**80.3**	mg/L	1.0	0.50	1		08/06/25 01:32	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/07/25 11:36	08/08/25 14:36	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/07/25 11:36	08/08/25 14:36	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:36	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/07/25 11:36	08/08/25 14:36	7440-41-7	
Boron	**0.45**	mg/L	0.40	0.062	10	08/07/25 11:36	08/08/25 12:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/07/25 11:36	08/08/25 14:36	7440-43-9	
Calcium	**62.2**	mg/L	4.0	1.0	10	08/07/25 11:36	08/08/25 12:42	7440-70-2	
Chromium	**0.0020J**	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:36	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/07/25 11:36	08/08/25 14:36	7439-92-1	
Molybdenum	**0.0027J**	mg/L	0.010	0.0025	1	08/07/25 11:36	08/08/25 14:36	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:36	7782-49-2	
Thallium	**0.00018J**	mg/L	0.00050	0.00015	1	08/07/25 11:36	08/11/25 14:18	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/07/25 19:04	08/07/25 22:26	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-12 **Lab ID: 92810483009** Collected: 08/04/25 13:30 Received: 08/05/25 15:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00222**	mg/L	0.00200	0.000600	1	08/14/25 08:58	08/27/25 20:02	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1100**	mg/L	25.0	25.0	1		08/08/25 16:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.5**	mg/L	1.0	0.60	1		08/06/25 02:17	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		08/06/25 02:17	16984-48-8	
Sulfate	**420**	mg/L	11.0	5.5	11		08/06/25 15:37	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/07/25 11:36	08/08/25 14:46	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/07/25 11:36	08/08/25 14:46	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:46	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/07/25 11:36	08/08/25 14:46	7440-41-7	
Boron	**1.6**	mg/L	0.40	0.062	10	08/07/25 11:36	08/08/25 12:52	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/07/25 11:36	08/08/25 14:46	7440-43-9	
Calcium	**175**	mg/L	4.0	1.0	10	08/07/25 11:36	08/08/25 12:52	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/07/25 11:36	08/08/25 14:46	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/07/25 11:36	08/08/25 14:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:46	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/07/25 11:36	08/11/25 14:28	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/07/25 19:04	08/07/25 22:29	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-14A **Lab ID: 92810483010** Collected: 08/04/25 15:25 Received: 08/05/25 15:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00169J**	mg/L	0.00200	0.000600	1	08/14/25 08:58	08/27/25 20:05	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1040**	mg/L	25.0	25.0	1		08/08/25 16:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**21.4**	mg/L	1.0	0.60	1		08/06/25 02:31	16887-00-6	
Fluoride	**0.084J**	mg/L	0.10	0.050	1		08/06/25 02:31	16984-48-8	
Sulfate	**434**	mg/L	11.0	5.5	11		08/06/25 15:51	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/07/25 11:36	08/08/25 14:56	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/07/25 11:36	08/08/25 14:56	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:56	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/07/25 11:36	08/08/25 14:56	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	08/07/25 11:36	08/08/25 13:02	7440-42-8	
Cadmium	**0.00050**	mg/L	0.00050	0.00012	1	08/07/25 11:36	08/08/25 14:56	7440-43-9	
Calcium	**177**	mg/L	4.0	1.0	10	08/07/25 11:36	08/08/25 13:02	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:56	7440-47-3	
Cobalt	**0.0028J**	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/07/25 11:36	08/08/25 14:56	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/07/25 11:36	08/08/25 14:56	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/07/25 11:36	08/08/25 14:56	7782-49-2	
Thallium	**0.00057**	mg/L	0.00050	0.00015	1	08/07/25 11:36	08/11/25 14:38	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00018J**	mg/L	0.00020	0.000091	1	08/07/25 19:04	08/07/25 22:31	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWA-2 **Lab ID: 92810483011** Collected: 08/05/25 14:10 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 00:10	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**242**	mg/L	25.0	25.0	1		08/09/25 15:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.0**	mg/L	1.0	0.60	1		08/09/25 22:16	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		08/09/25 22:16	16984-48-8	
Sulfate	**13.4**	mg/L	1.0	0.50	1		08/09/25 22:16	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0010J**	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 00:12	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 00:12	7440-38-2	
Barium	**0.099**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:12	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 00:12	7440-41-7	
Boron	**0.013J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 00:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 00:12	7440-43-9	
Calcium	**45.7**	mg/L	2.0	0.50	5	08/11/25 20:04	08/18/25 23:51	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 10:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 00:12	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 00:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:12	7782-49-2	
Thallium	**0.00016J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 00:12	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:28	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-7 **Lab ID: 92810483012** Collected: 08/05/25 10:38 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00500**	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 00:23	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**571**	mg/L	25.0	25.0	1		08/09/25 15:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**6.8**	mg/L	1.0	0.60	1		08/09/25 22:30	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.050	1		08/09/25 22:30	16984-48-8	
Sulfate	**152**	mg/L	4.0	2.0	4		08/10/25 09:33	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 00:21	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 00:21	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:21	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 00:21	7440-41-7	
Boron	**0.69**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 11:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 00:21	7440-43-9	
Calcium	**101**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 11:31	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 10:16	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 00:21	7439-92-1	
Molybdenum	**0.011**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 00:21	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:21	7782-49-2	
Thallium	**0.00015J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 00:21	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:30	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-10 **Lab ID: 92810483013** Collected: 08/05/25 11:53 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000696J**	mg/L	0.00200	0.000600	1	08/15/25 14:20	08/28/25 00:26	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**438**	mg/L	25.0	25.0	1		08/09/25 15:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**29.1**	mg/L	1.0	0.60	1		08/09/25 22:44	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		08/09/25 22:44	16984-48-8	
Sulfate	**95.9**	mg/L	2.0	1.0	2		08/10/25 09:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 00:30	7440-36-0	
Arsenic	**0.0034**	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 00:30	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:30	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 00:30	7440-41-7	
Boron	**0.48**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 11:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 00:30	7440-43-9	
Calcium	**61.8**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 11:40	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 10:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 00:30	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 00:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:30	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 00:30	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:33	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-16 **Lab ID: 92810483014** Collected: 08/05/25 11:30 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000785J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 16:06	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**865**	mg/L	25.0	25.0	1		08/09/25 15:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**9.8**	mg/L	1.0	0.60	1		08/09/25 22:59	16887-00-6	
Fluoride	**0.086J**	mg/L	0.10	0.050	1		08/09/25 22:59	16984-48-8	
Sulfate	**400**	mg/L	9.0	4.5	9		08/10/25 10:02	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 00:40	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 00:40	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:40	7440-39-3	
Beryllium	**0.00024J**	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 00:40	7440-41-7	
Boron	**2.0**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 11:49	7440-42-8	
Cadmium	**0.0021**	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 00:40	7440-43-9	
Calcium	**153**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 11:49	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:40	7440-47-3	
Cobalt	**0.0093**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 10:35	7440-48-4	
Lead	**0.00030J**	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 00:40	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 00:40	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:40	7782-49-2	
Thallium	**0.00025J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 00:40	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:36	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-17 **Lab ID: 92810483015** Collected: 08/05/25 13:15 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000820J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 16:09	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**504**	mg/L	25.0	25.0	1		08/09/25 15:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**32.4**	mg/L	1.0	0.60	1		08/09/25 23:13	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		08/09/25 23:13	16984-48-8	
Sulfate	**132**	mg/L	3.0	1.5	3		08/10/25 10:17	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 00:49	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 00:49	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:49	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 00:49	7440-41-7	
Boron	**1.1**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 11:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 00:49	7440-43-9	
Calcium	**82.1**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 11:58	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 10:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 00:49	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 00:49	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:49	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 00:49	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00037**	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:38	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-18 **Lab ID: 92810483016** Collected: 08/05/25 14:50 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 16:13	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**345**	mg/L	25.0	25.0	1		08/09/25 15:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.3**	mg/L	1.0	0.60	1		08/10/25 00:54	16887-00-6	
Fluoride	**0.077J**	mg/L	0.10	0.050	1		08/10/25 00:54	16984-48-8	
Sulfate	**56.9**	mg/L	1.0	0.50	1		08/10/25 00:54	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 00:58	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 00:58	7440-38-2	
Barium	**0.032**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:58	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 00:58	7440-41-7	
Boron	**0.46**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 12:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 00:58	7440-43-9	
Calcium	**64.9**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 12:08	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 10:53	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 00:58	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 00:58	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 00:58	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 00:58	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:41	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-19 **Lab ID: 92810483017** Collected: 08/06/25 14:58 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 16:57	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**424**	mg/L	25.0	25.0	1		08/12/25 13:36		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**11.1**	mg/L	1.0	0.60	1		08/10/25 01:38	16887-00-6	
Fluoride	**0.076J**	mg/L	0.10	0.050	1		08/10/25 01:38	16984-48-8	
Sulfate	**111**	mg/L	3.0	1.5	3		08/10/25 11:59	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 01:26	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 01:26	7440-38-2	
Barium	**0.041**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:26	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 01:26	7440-41-7	
Boron	**0.59**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 12:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 01:26	7440-43-9	
Calcium	**75.1**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 12:17	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 01:26	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 01:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:26	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 01:26	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:43	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-20 **Lab ID: 92810483018** Collected: 08/07/25 13:11 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0718**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 22:55	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1420**	mg/L	25.0	25.0	1		08/13/25 11:50		2g
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**130**	mg/L	14.0	8.4	14		08/10/25 12:13	16887-00-6	
Fluoride	**0.061J**	mg/L	0.10	0.050	1		08/10/25 01:52	16984-48-8	
Sulfate	**585**	mg/L	14.0	7.0	14		08/10/25 12:13	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 01:35	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 01:35	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:35	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 01:35	7440-41-7	
Boron	**4.7**	mg/L	2.0	0.31	50	08/11/25 20:04	08/14/25 12:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 01:35	7440-43-9	
Calcium	**267**	mg/L	20.0	5.0	50	08/11/25 20:04	08/14/25 12:26	7440-70-2	
Chromium	**0.0024J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 01:35	7439-92-1	
Molybdenum	**0.062**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 01:35	7439-98-7	
Selenium	**0.0022J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:35	7782-49-2	
Thallium	**0.00025J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 01:35	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:46	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-22 **Lab ID: 92810483019** Collected: 08/07/25 14:40 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0129**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 22:58	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1370**	mg/L	25.0	25.0	1		08/13/25 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**262**	mg/L	7.0	4.2	7		08/10/25 12:27	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.050	1		08/10/25 02:07	16984-48-8	
Sulfate	**305**	mg/L	7.0	3.5	7		08/10/25 12:27	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 01:45	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 01:45	7440-38-2	
Barium	**0.051**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:45	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 01:45	7440-41-7	
Boron	**9.8**	mg/L	2.0	0.31	50	08/11/25 20:04	08/14/25 12:36	7440-42-8	
Cadmium	**0.00022J**	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 01:45	7440-43-9	
Calcium	**252**	mg/L	20.0	5.0	50	08/11/25 20:04	08/14/25 12:36	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:45	7440-47-3	
Cobalt	**0.012**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 01:45	7439-92-1	
Molybdenum	**0.041**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 01:45	7439-98-7	
Selenium	**0.0025J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:45	7782-49-2	
Thallium	**0.00064**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 01:45	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 22:59	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-25 **Lab ID: 92810483020** Collected: 08/07/25 15:43 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 17:06	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**284**	mg/L	25.0	25.0	1		08/13/25 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**21.9**	mg/L	1.0	0.60	1		08/10/25 02:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/10/25 02:21	16984-48-8	
Sulfate	**40.7**	mg/L	1.0	0.50	1		08/10/25 02:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 01:54	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 01:54	7440-38-2	
Barium	**0.012**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:54	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 01:54	7440-41-7	
Boron	**0.17**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 01:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 01:54	7440-43-9	
Calcium	**54.8**	mg/L	2.0	0.50	5	08/11/25 20:04	08/19/25 00:00	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:54	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:54	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 01:54	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 01:54	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 01:54	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 01:54	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:01	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-30 **Lab ID: 92810483021** Collected: 08/05/25 14:12 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00132J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 17:10	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**528**	mg/L	25.0	25.0	1		08/09/25 15:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**98.5**	mg/L	1.0	0.60	1		08/10/25 03:04	16887-00-6	
Fluoride	**0.073J**	mg/L	0.10	0.050	1		08/10/25 03:04	16984-48-8	
Sulfate	**48.7**	mg/L	1.0	0.50	1		08/10/25 03:04	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00051J**	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 02:03	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 02:03	7440-38-2	
Barium	**0.061**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:03	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 02:03	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 12:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 02:03	7440-43-9	
Calcium	**80.8**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 12:45	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 02:03	7439-92-1	
Molybdenum	**0.0048J**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 02:03	7439-98-7	
Selenium	**0.0053**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:03	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 02:03	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:04	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-34D **Lab ID: 92810483022** Collected: 08/07/25 16:50 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000812J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 17:13	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**580**	mg/L	25.0	25.0	1		08/13/25 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**48.5**	mg/L	1.0	0.60	1		08/10/25 03:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/10/25 03:19	16984-48-8	
Sulfate	**157**	mg/L	4.0	2.0	4		08/10/25 12:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 02:50	7440-36-0	
Arsenic	**0.014**	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 02:50	7440-38-2	
Barium	**0.052**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:50	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 02:50	7440-41-7	
Boron	**0.44**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 13:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 02:50	7440-43-9	
Calcium	**117**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 13:50	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:50	7440-47-3	
Cobalt	**0.0016J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 02:50	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 02:50	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 02:50	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 02:50	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:06	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-36D **Lab ID: 92810483023** Collected: 08/07/25 12:46 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00173J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 17:16	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**683**	mg/L	25.0	25.0	1		08/13/25 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**197**	mg/L	4.0	2.4	4		08/10/25 12:56	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		08/10/25 03:33	16984-48-8	
Sulfate	**96.6**	mg/L	4.0	2.0	4		08/10/25 12:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 03:36	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 03:36	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:36	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 03:36	7440-41-7	
Boron	**3.1**	mg/L	2.0	0.31	50	08/11/25 20:04	08/14/25 13:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 03:36	7440-43-9	
Calcium	**118**	mg/L	20.0	5.0	50	08/11/25 20:04	08/14/25 13:59	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:36	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 03:36	7439-92-1	
Molybdenum	**0.0082J**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 03:36	7439-98-7	
Selenium	**0.012**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:36	7782-49-2	
Thallium	**0.00017J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 03:36	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:09	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-38D **Lab ID: 92810483024** Collected: 08/06/25 15:57 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00189J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 23:01	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**964**	mg/L	50.0	50.0	1		08/12/25 13:36		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**231**	mg/L	5.0	3.0	5		08/10/25 13:10	16887-00-6	
Fluoride	**0.40**	mg/L	0.10	0.050	1		08/10/25 03:48	16984-48-8	
Sulfate	**143**	mg/L	5.0	2.5	5		08/10/25 13:10	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0028**	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 03:46	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 03:46	7440-38-2	
Barium	**0.10**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:46	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 03:46	7440-41-7	
Boron	**6.4**	mg/L	2.0	0.31	50	08/11/25 20:04	08/14/25 14:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 03:46	7440-43-9	
Calcium	**156**	mg/L	20.0	5.0	50	08/11/25 20:04	08/14/25 14:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 03:46	7439-92-1	
Molybdenum	**0.084**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 03:46	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:46	7782-49-2	
Thallium	**0.00016J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 03:46	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00026**	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:11	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-43D **Lab ID: 92810483025** Collected: 08/07/25 10:53 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0173**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 23:05	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1100**	mg/L	25.0	25.0	1		08/13/25 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**279**	mg/L	6.0	3.6	6		08/10/25 13:24	16887-00-6	
Fluoride	**0.94**	mg/L	0.10	0.050	1		08/10/25 04:02	16984-48-8	
Sulfate	**221**	mg/L	6.0	3.0	6		08/10/25 13:24	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 03:55	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 03:55	7440-38-2	
Barium	**0.049**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:55	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 03:55	7440-41-7	
Boron	**8.5**	mg/L	2.0	0.31	50	08/11/25 20:04	08/14/25 14:18	7440-42-8	
Cadmium	**0.00047J**	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 03:55	7440-43-9	
Calcium	**206**	mg/L	20.0	5.0	50	08/11/25 20:04	08/14/25 14:18	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:55	7440-47-3	
Cobalt	**0.0023J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:55	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 03:55	7439-92-1	
Molybdenum	**0.17**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 03:55	7439-98-7	
Selenium	**0.0030J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 03:55	7782-49-2	
Thallium	**0.0021**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 03:55	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:14	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-49D **Lab ID: 92810483026** Collected: 08/06/25 13:27 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00427**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 23:08	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1280**	mg/L	50.0	50.0	1		08/12/25 13:36		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**418**	mg/L	9.0	5.4	9		08/10/25 13:38	16887-00-6	M1
Fluoride	**0.061J**	mg/L	0.10	0.050	1		08/10/25 04:16	16984-48-8	
Sulfate	**205**	mg/L	9.0	4.5	9		08/10/25 13:38	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 04:04	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 04:04	7440-38-2	
Barium	**0.060**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:04	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 04:04	7440-41-7	
Boron	**6.9**	mg/L	2.0	0.31	50	08/11/25 20:04	08/14/25 14:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 04:04	7440-43-9	
Calcium	**204**	mg/L	20.0	5.0	50	08/11/25 20:04	08/14/25 14:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:04	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:04	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 04:04	7439-92-1	
Molybdenum	**0.0051J**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 04:04	7439-98-7	
Selenium	**0.0050**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:04	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 04:04	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:16	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FD-02 **Lab ID: 92810483027** Collected: 08/05/25 00:00 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00137J**	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 15:54	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**558**	mg/L	25.0	25.0	1		08/09/25 15:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**99.8**	mg/L	1.0	0.60	1		08/10/25 05:00	16887-00-6	
Fluoride	**0.078J**	mg/L	0.10	0.050	1		08/10/25 05:00	16984-48-8	
Sulfate	**49.7**	mg/L	1.0	0.50	1		08/10/25 05:00	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00053J**	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 04:14	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 04:14	7440-38-2	
Barium	**0.061**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:14	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 04:14	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	08/11/25 20:04	08/14/25 14:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 04:14	7440-43-9	
Calcium	**80.6**	mg/L	4.0	1.0	10	08/11/25 20:04	08/14/25 14:36	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 04:14	7439-92-1	
Molybdenum	**0.0048J**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 04:14	7439-98-7	
Selenium	**0.0060**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:14	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 04:14	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:19	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FB-02 **Lab ID: 92810483028** Collected: 08/05/25 15:55 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 17:37	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/09/25 15:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/09/25 16:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/09/25 16:29	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/09/25 16:29	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 04:23	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 04:23	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:23	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 04:23	7440-41-7	
Boron	**0.015J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 04:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 04:23	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/14/25 04:23	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 04:23	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 04:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:23	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 04:23	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:27	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-EB-02 **Lab ID: 92810483029** Collected: 08/05/25 16:10 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 10:33	08/28/25 17:40	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/09/25 15:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/09/25 16:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/09/25 16:44	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/09/25 16:44	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 04:32	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 04:32	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:32	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 04:32	7440-41-7	
Boron	**0.0074J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 04:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 04:32	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/14/25 04:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:32	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 04:32	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 04:32	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 04:32	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 04:32	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:29	7439-97-6	L1

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-21 **Lab ID: 92810483030** Collected: 08/11/25 12:55 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 14:20	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**253**	mg/L	25.0	25.0	1		08/18/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.9**	mg/L	1.0	0.60	1		08/13/25 00:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 00:50	16984-48-8	
Sulfate	**52.2**	mg/L	1.0	0.50	1		08/13/25 00:50	14808-79-8	M1,R1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 01:50	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 01:50	7440-38-2	
Barium	**0.018**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:50	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 01:50	7440-41-7	
Boron	**0.030J**	mg/L	0.040	0.0062	1	08/15/25 11:57	08/26/25 01:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 01:50	7440-43-9	
Calcium	**43.5**	mg/L	10.0	2.5	25	08/15/25 11:57	08/27/25 07:01	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:50	7440-47-3	
Cobalt	**0.010**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 01:50	7439-92-1	
Molybdenum	**0.0040J**	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 01:50	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:50	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 01:50	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/15/25 23:56	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-23 **Lab ID: 92810483031** Collected: 08/11/25 10:45 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0122**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 20:12	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1450**	mg/L	50.0	50.0	1		08/18/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**291**	mg/L	7.0	4.2	7		08/13/25 14:46	16887-00-6	
Fluoride	**0.074J**	mg/L	0.10	0.050	1		08/13/25 02:02	16984-48-8	
Sulfate	**214**	mg/L	7.0	3.5	7		08/13/25 14:46	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0034**	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 01:59	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 01:59	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:59	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 01:59	7440-41-7	
Boron	**6.0**	mg/L	1.0	0.16	25	08/15/25 11:57	08/27/25 07:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 01:59	7440-43-9	
Calcium	**228**	mg/L	10.0	2.5	25	08/15/25 11:57	08/27/25 07:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:59	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 01:59	7439-92-1	
Molybdenum	**0.0043J**	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 01:59	7439-98-7	
Selenium	**0.0034J**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 01:59	7782-49-2	M1
Thallium	**0.00036J**	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 01:59	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/15/25 23:59	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-24 **Lab ID: 92810483032** Collected: 08/11/25 11:20 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00614**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 20:15	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1680**	mg/L	125	125	1		08/18/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**390**	mg/L	9.0	5.4	9		08/13/25 15:00	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.050	1		08/13/25 02:17	16984-48-8	
Sulfate	**267**	mg/L	9.0	4.5	9		08/13/25 15:00	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0090**	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 02:42	7440-36-0	
Arsenic	**0.0022**	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 02:42	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:42	7440-39-3	
Beryllium	**0.00029J**	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 02:42	7440-41-7	
Boron	**11.7**	mg/L	2.0	0.31	50	08/15/25 11:57	08/27/25 10:40	7440-42-8	
Cadmium	**0.0019**	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 02:42	7440-43-9	
Calcium	**337**	mg/L	20.0	5.0	50	08/15/25 11:57	08/27/25 10:40	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:42	7440-47-3	
Cobalt	**0.0013J**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 02:42	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 02:42	7439-98-7	
Selenium	**0.0083**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:42	7782-49-2	
Thallium	**0.00028J**	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 02:42	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00094**	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:01	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-31 **Lab ID: 92810483033** Collected: 08/08/25 12:34 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 14:38	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**472**	mg/L	25.0	25.0	1		08/14/25 14:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**26.6**	mg/L	1.0	0.60	1		08/13/25 02:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 02:31	16984-48-8	
Sulfate	**114**	mg/L	3.0	1.5	3		08/13/25 15:14	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 02:50	7440-36-0	
Arsenic	**0.0029**	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 02:50	7440-38-2	
Barium	**0.039**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:50	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 02:50	7440-41-7	
Boron	**0.70**	mg/L	0.20	0.031	5	08/15/25 11:57	08/27/25 10:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 02:50	7440-43-9	
Calcium	**76.9**	mg/L	2.0	0.50	5	08/15/25 11:57	08/27/25 10:49	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 02:50	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 02:50	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:50	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 02:50	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-35D **Lab ID: 92810483034** Collected: 08/11/25 14:52 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0193**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 20:18	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2770**	mg/L	250	250	1		08/18/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**657**	mg/L	15.0	9.0	15		08/13/25 15:28	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		08/13/25 02:45	16984-48-8	
Sulfate	**472**	mg/L	15.0	7.5	15		08/13/25 15:28	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 02:59	7440-36-0	
Arsenic	**0.0030**	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 02:59	7440-38-2	
Barium	**0.051**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:59	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 02:59	7440-41-7	
Boron	**10.5**	mg/L	2.0	0.31	50	08/15/25 11:57	08/27/25 10:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 02:59	7440-43-9	
Calcium	**464**	mg/L	20.0	5.0	50	08/15/25 11:57	08/27/25 10:57	7440-70-2	
Chromium	**0.0086**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:59	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 02:59	7439-92-1	
Molybdenum	**0.025**	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 02:59	7439-98-7	
Selenium	**0.0078**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 02:59	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 02:59	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:06	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-40 **Lab ID: 92810483035** Collected: 08/08/25 11:55 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:18	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**506**	mg/L	25.0	25.0	1		08/14/25 14:03		1g
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**58.6**	mg/L	1.0	0.60	1		08/13/25 03:00	16887-00-6	
Fluoride	**0.059J**	mg/L	0.10	0.050	1		08/13/25 03:00	16984-48-8	
Sulfate	**88.9**	mg/L	2.0	1.0	2		08/13/25 15:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 03:25	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 03:25	7440-38-2	
Barium	**0.033**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:25	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 03:25	7440-41-7	
Boron	**1.8**	mg/L	1.0	0.16	25	08/15/25 11:57	08/27/25 11:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 03:25	7440-43-9	
Calcium	**103**	mg/L	10.0	2.5	25	08/15/25 11:57	08/27/25 11:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 03:25	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 03:25	7439-98-7	
Selenium	**0.0066**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:25	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 03:25	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:14	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-52 **Lab ID: 92810483036** Collected: 08/11/25 15:40 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00143J**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:21	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**321**	mg/L	25.0	25.0	1		08/18/25 13:04		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**31.4**	mg/L	1.0	0.60	1		08/13/25 03:14	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		08/13/25 03:14	16984-48-8	
Sulfate	**74.5**	mg/L	1.0	0.50	1		08/13/25 03:14	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 03:33	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 03:33	7440-38-2	
Barium	**0.018**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:33	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 03:33	7440-41-7	
Boron	**0.83**	mg/L	0.20	0.031	5	08/15/25 11:57	08/27/25 11:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 03:33	7440-43-9	
Calcium	**67.8**	mg/L	2.0	0.50	5	08/15/25 11:57	08/27/25 11:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:33	7440-47-3	
Cobalt	**0.0014J**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 03:33	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 03:33	7439-98-7	
Selenium	**0.0031J**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:33	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 03:33	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:17	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-53D **Lab ID: 92810483037** Collected: 08/08/25 12:22 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00114J**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:24	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1020**	mg/L	50.0	50.0	1		08/14/25 14:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**40.1**	mg/L	1.0	0.60	1		08/13/25 03:29	16887-00-6	
Fluoride	**0.076J**	mg/L	0.10	0.050	1		08/13/25 03:29	16984-48-8	
Sulfate	**457**	mg/L	10.0	5.0	10		08/13/25 18:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 03:42	7440-36-0	
Arsenic	**0.0015J**	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 03:42	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:42	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 03:42	7440-41-7	
Boron	**3.1**	mg/L	1.0	0.16	25	08/15/25 11:57	08/27/25 11:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 03:42	7440-43-9	
Calcium	**165**	mg/L	10.0	2.5	25	08/15/25 11:57	08/27/25 11:23	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 03:42	7439-92-1	
Molybdenum	**0.0027J**	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 03:42	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:42	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 03:42	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:19	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-PZ-7 **Lab ID: 92810483038** Collected: 08/11/25 14:05 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00351**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 20:21	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**872**	mg/L	50.0	50.0	1		08/18/25 13:04		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**25.0**	mg/L	1.0	0.60	1		08/13/25 03:43	16887-00-6	
Fluoride	**0.051J**	mg/L	0.10	0.050	1		08/13/25 03:43	16984-48-8	
Sulfate	**249**	mg/L	8.0	4.0	8		08/13/25 20:45	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 03:51	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 03:51	7440-38-2	
Barium	**0.028**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:51	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 03:51	7440-41-7	
Boron	**2.8**	mg/L	1.0	0.16	25	08/15/25 11:57	08/27/25 11:32	7440-42-8	
Cadmium	**0.00014J**	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 03:51	7440-43-9	
Calcium	**169**	mg/L	10.0	2.5	25	08/15/25 11:57	08/27/25 11:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 03:51	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 03:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:51	7782-49-2	
Thallium	**0.00036J**	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 03:51	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.0013**	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:22	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FD-03 **Lab ID: 92810483039** Collected: 08/08/25 00:00 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:30	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**457**	mg/L	25.0	25.0	1		08/14/25 14:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**26.6**	mg/L	1.0	0.60	1		08/13/25 04:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 04:26	16984-48-8	
Sulfate	**88.3**	mg/L	3.0	1.5	3		08/13/25 18:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 03:59	7440-36-0	
Arsenic	**0.0030**	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 03:59	7440-38-2	
Barium	**0.038**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:59	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 03:59	7440-41-7	
Boron	**0.72**	mg/L	0.20	0.031	5	08/15/25 11:57	08/27/25 11:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 03:59	7440-43-9	
Calcium	**79.1**	mg/L	2.0	0.50	5	08/15/25 11:57	08/27/25 11:40	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:59	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 03:59	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 03:59	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 03:59	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 03:59	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FD-04 **Lab ID: 92810483040** Collected: 08/11/25 00:00 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00155J**	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:33	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**317**	mg/L	25.0	25.0	1		08/18/25 13:04		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**31.7**	mg/L	1.0	0.60	1		08/13/25 04:41	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		08/13/25 04:41	16984-48-8	
Sulfate	**74.7**	mg/L	1.0	0.50	1		08/13/25 04:41	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 04:08	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 04:08	7440-38-2	
Barium	**0.018**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:08	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 04:08	7440-41-7	
Boron	**0.82**	mg/L	0.20	0.031	5	08/15/25 11:57	08/27/25 11:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 04:08	7440-43-9	
Calcium	**66.5**	mg/L	2.0	0.50	5	08/15/25 11:57	08/27/25 11:49	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:08	7440-47-3	
Cobalt	**0.0013J**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 04:08	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 04:08	7439-98-7	
Selenium	**0.0031J**	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:08	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 04:08	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:27	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FB-03 **Lab ID: 92810483041** Collected: 08/08/25 13:10 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:37	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/25 14:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/12/25 23:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/12/25 23:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/25 23:38	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 04:17	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 04:17	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:17	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 04:17	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/15/25 11:57	08/26/25 04:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 04:17	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/15/25 11:57	08/27/25 12:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:17	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 04:17	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 04:17	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:17	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 04:17	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:35	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-FB-04 **Lab ID: 92810483042** Collected: 08/11/25 15:13 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:40	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/18/25 13:04		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/12/25 23:52	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/12/25 23:52	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/25 23:52	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 04:25	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 04:25	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:25	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 04:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/15/25 11:57	08/26/25 04:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 04:25	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/15/25 11:57	08/27/25 12:24	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 04:25	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 04:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:25	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 04:25	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-EB-03 **Lab ID: 92810483043** Collected: 08/08/25 13:20 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:43	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/25 14:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/13/25 00:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 00:07	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/13/25 00:07	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 04:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 04:34	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:34	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 04:34	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/15/25 11:57	08/26/25 04:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 04:34	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/15/25 11:57	08/27/25 12:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 04:34	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 04:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:34	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 04:34	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:45	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-AP1-EB-04 **Lab ID: 92810483044** Collected: 08/11/25 15:19 Received: 08/12/25 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 07:56	09/03/25 16:46	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/18/25 13:04		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/13/25 00:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 00:21	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/13/25 00:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 11:57	08/26/25 04:42	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 11:57	08/26/25 04:42	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:42	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 11:57	08/26/25 04:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/15/25 11:57	08/26/25 04:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 11:57	08/26/25 04:42	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/15/25 11:57	08/27/25 12:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 11:57	08/26/25 04:42	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 11:57	08/26/25 04:42	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 11:57	08/26/25 04:42	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 11:57	08/26/25 04:42	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/13/25 20:15	08/16/25 00:47	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWA-29 **Lab ID: 92810483045** Collected: 08/12/25 14:26 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00197J**	mg/L	0.00200	0.000600	1	08/23/25 20:19	09/03/25 12:25	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**115**	mg/L	25.0	25.0	1		08/18/25 22:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.4**	mg/L	1.0	0.60	1		08/16/25 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/25 21:18	16984-48-8	
Sulfate	**2.8**	mg/L	1.0	0.50	1		08/16/25 21:18	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/21/25 00:35	09/05/25 00:38	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/21/25 00:35	09/05/25 00:38	7440-38-2	
Barium	**0.012**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:38	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/21/25 00:35	09/05/25 00:38	7440-41-7	
Boron	**0.0092J**	mg/L	0.040	0.0062	1	08/21/25 00:35	09/05/25 00:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/21/25 00:35	09/05/25 00:38	7440-43-9	
Calcium	**20.1**	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 12:16	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/21/25 00:35	09/05/25 00:38	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:38	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/21/25 00:35	09/05/25 00:38	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/20/25 17:51	08/20/25 22:18	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-32 **Lab ID: 92810483046** Collected: 08/12/25 10:59 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00116J**	mg/L	0.00200	0.000600	1	08/23/25 20:19	09/03/25 12:28	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1680**	mg/L	50.0	50.0	1		08/18/25 22:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**177**	mg/L	4.0	2.4	4		08/17/25 06:54	16887-00-6	M1
Fluoride	**0.089J**	mg/L	0.10	0.050	1		08/16/25 22:01	16984-48-8	
Sulfate	**157**	mg/L	4.0	2.0	4		08/17/25 06:54	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/21/25 00:35	09/05/25 00:45	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/21/25 00:35	09/05/25 00:45	7440-38-2	
Barium	**0.083**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:45	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/21/25 00:35	09/05/25 00:45	7440-41-7	
Boron	**0.92**	mg/L	0.40	0.062	10	08/21/25 00:35	09/05/25 12:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/21/25 00:35	09/05/25 00:45	7440-43-9	
Calcium	**126**	mg/L	4.0	1.0	10	08/21/25 00:35	09/05/25 12:23	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/21/25 00:35	09/05/25 00:45	7439-92-1	
Molybdenum	**0.0040J**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:45	7439-98-7	
Selenium	**0.0013J**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:45	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/21/25 00:35	09/05/25 00:45	7440-28-0	3g
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/20/25 17:51	08/20/25 22:21	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92810483

Sample: BOW-BGWC-51 **Lab ID: 92810483047** Collected: 08/13/25 12:19 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00140J**	mg/L	0.00200	0.000600	1	08/23/25 20:19	09/03/25 12:31	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**432**	mg/L	25.0	25.0	1		08/20/25 13:10		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**46.1**	mg/L	1.0	0.60	1		08/16/25 22:44	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.050	1		08/16/25 22:44	16984-48-8	
Sulfate	**99.7**	mg/L	1.0	0.50	1		08/16/25 22:44	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/21/25 00:35	09/05/25 00:53	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/21/25 00:35	09/05/25 00:53	7440-38-2	
Barium	**0.0079**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:53	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/21/25 00:35	09/05/25 00:53	7440-41-7	
Boron	**1.1**	mg/L	0.40	0.062	10	08/21/25 00:35	09/05/25 12:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/21/25 00:35	09/05/25 00:53	7440-43-9	
Calcium	**80.1**	mg/L	4.0	1.0	10	08/21/25 00:35	09/05/25 12:30	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:53	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/21/25 00:35	09/05/25 00:53	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:53	7439-98-7	
Selenium	**0.0062**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:53	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/21/25 00:35	09/05/25 00:53	7440-28-0	3g
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/20/25 17:51	08/20/25 22:23	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 2572931
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

METHOD BLANK: R4263792-1 Matrix: Water
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/25/25 17:57	

LABORATORY CONTROL SAMPLE: R4263792-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0499	99.8	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4263792-4 R4263792-5

Parameter	Units	L1882804-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00527	0.0500	0.0500	0.0531	0.0568	95.6	103	75.0-125	6.77	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 2577182
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92810483008, 92810483009, 92810483010

METHOD BLANK: R4265162-1 Matrix: Water
Associated Lab Samples: 92810483008, 92810483009, 92810483010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/27/25 19:40	

LABORATORY CONTROL SAMPLE: R4265162-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0547	109	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4265162-4 R4265162-5

Parameter	Units	L1885651-20 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0520	0.0518	104	104	75.0-125	0.414	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 2577749
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92810483014, 92810483015, 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

METHOD BLANK: R4265688-1 Matrix: Water
Associated Lab Samples: 92810483014, 92810483015, 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/28/25 15:48	

LABORATORY CONTROL SAMPLE: R4265688-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0586	117	80.0-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 2578718
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92810483011, 92810483012, 92810483013

METHOD BLANK: R4265251-1 Matrix: Water
Associated Lab Samples: 92810483011, 92810483012, 92810483013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/28/25 00:03	

LABORATORY CONTROL SAMPLE: R4265251-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0481	96.3	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4265251-4 R4265251-5

Parameter	Units	92810483011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0470	0.0462	94.0	92.5	75.0-125	1.61	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 2580750
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

METHOD BLANK: R4268298-1 Matrix: Water
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/03/25 14:14	

LABORATORY CONTROL SAMPLE: R4268298-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0506	101	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4268298-4 R4268298-5

Parameter	Units	92810483030 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0503	0.0524	101	105	75.0-125	4.14	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 2583667
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92810483045, 92810483046, 92810483047

METHOD BLANK: R4268054-1 Matrix: Water
Associated Lab Samples: 92810483045, 92810483046, 92810483047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/03/25 12:07	

LABORATORY CONTROL SAMPLE: R4268054-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0508	102	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4268054-4 R4268054-5

Parameter	Units	L1889547-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.354	0.0500	0.0500	0.405	0.391	101	73.4	75.0-125	3.43	20	P6

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 952146 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

METHOD BLANK: 4892691 Matrix: Water
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	2.5	2.5	08/06/25 12:14	

LABORATORY CONTROL SAMPLE: 4892692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	266	106	90-110	

SAMPLE DUPLICATE: 4892694

Parameter	Units	92810483002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	336	330	2	25	

SAMPLE DUPLICATE: 4892699

Parameter	Units	92810968002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2430	2440	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 952726 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483008, 92810483009, 92810483010

METHOD BLANK: 4896278 Matrix: Water
Associated Lab Samples: 92810483008, 92810483009, 92810483010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/08/25 16:34	

LABORATORY CONTROL SAMPLE: 4896279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	238	95	90-110	

SAMPLE DUPLICATE: 4896280

Parameter	Units	92810939021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	151	147	3	25	

SAMPLE DUPLICATE: 4896282

Parameter	Units	92810772004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1110	1030	7	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953028
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015, 92810483016, 92810483021, 92810483027, 92810483028, 92810483029

METHOD BLANK: 4897737 Matrix: Water
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015, 92810483016, 92810483021, 92810483027, 92810483028, 92810483029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/09/25 15:45	

LABORATORY CONTROL SAMPLE: 4897738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	238	95	90-110	

SAMPLE DUPLICATE: 4897739

Parameter	Units	92811484002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	143	151	5	25	

SAMPLE DUPLICATE: 4897740

Parameter	Units	92810483014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	865	882	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953404 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483017, 92810483024, 92810483026

METHOD BLANK: 4899556 Matrix: Water
Associated Lab Samples: 92810483017, 92810483024, 92810483026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/12/25 13:33	

LABORATORY CONTROL SAMPLE: 4899557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4899558

Parameter	Units	92811613002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	110	114	4	25	

SAMPLE DUPLICATE: 4899559

Parameter	Units	92810483024 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	964	1030	6	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953690 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483018, 92810483019, 92810483020, 92810483022, 92810483023, 92810483025

METHOD BLANK: 4901185 Matrix: Water
Associated Lab Samples: 92810483018, 92810483019, 92810483020, 92810483022, 92810483023, 92810483025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/13/25 11:49	

LABORATORY CONTROL SAMPLE: 4901186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4901187

Parameter	Units	92811951033 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	411	423	3	25	

SAMPLE DUPLICATE: 4901188

Parameter	Units	92810483023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	683	767	12	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954031 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483033, 92810483035, 92810483037, 92810483039, 92810483041, 92810483043

METHOD BLANK: 4903152 Matrix: Water
Associated Lab Samples: 92810483033, 92810483035, 92810483037, 92810483039, 92810483041, 92810483043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/14/25 14:02	

LABORATORY CONTROL SAMPLE: 4903153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	268	107	90-110	

SAMPLE DUPLICATE: 4903154

Parameter	Units	92811484016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4903155

Parameter	Units	92812273003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	359	366	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954668 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483034, 92810483036, 92810483038, 92810483040, 92810483042, 92810483044

METHOD BLANK: 4906568 Matrix: Water
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483034, 92810483036, 92810483038, 92810483040, 92810483042, 92810483044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/18/25 13:03	

LABORATORY CONTROL SAMPLE: 4906569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4906570

Parameter	Units	92812368006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	502	516	3	25	

SAMPLE DUPLICATE: 4906571

Parameter	Units	92810483042 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954728
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483045, 92810483046

METHOD BLANK: 4906874 Matrix: Water
Associated Lab Samples: 92810483045, 92810483046

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/18/25 21:58	

LABORATORY CONTROL SAMPLE: 4906875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	252	101	90-110	

SAMPLE DUPLICATE: 4906876

Parameter	Units	92812853013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	154	153	1	25	

SAMPLE DUPLICATE: 4906877

Parameter	Units	92812853023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	46.0	47.0	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 955203
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483047

METHOD BLANK: 4909347 Matrix: Water
Associated Lab Samples: 92810483047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/20/25 13:09	

LABORATORY CONTROL SAMPLE: 4909348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4909349

Parameter	Units	92813228002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	147	148	1	25	

SAMPLE DUPLICATE: 4909350

Parameter	Units	92812845011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	620	628	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 951623
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005

METHOD BLANK: 4890091 Matrix: Water
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/02/25 16:54	
Fluoride	mg/L	ND	0.10	0.050	08/02/25 16:54	
Sulfate	mg/L	ND	1.0	0.50	08/02/25 16:54	

LABORATORY CONTROL SAMPLE: 4890092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890093 4890094

Parameter	Units	92810390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	48.3	49.6	95	98	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	94	96	90-110	2	10	
Sulfate	mg/L	1.8	50	50	49.9	51.2	96	99	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890095 4890096

Parameter	Units	92810475004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	508	50	50	539	540	61	63	90-110	0	10	M1
Fluoride	mg/L	0.12	2.5	2.5	2.4	2.4	91	93	90-110	2	10	
Sulfate	mg/L	374	50	50	409	410	71	73	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 951624
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483006, 92810483007

METHOD BLANK: 4890097 Matrix: Water
Associated Lab Samples: 92810483006, 92810483007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/02/25 23:52	
Fluoride	mg/L	ND	0.10	0.050	08/02/25 23:52	
Sulfate	mg/L	ND	1.0	0.50	08/02/25 23:52	

LABORATORY CONTROL SAMPLE: 4890098

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	2.5	101	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890099 4890100

Parameter	Units	92810483006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.2	48.3	98	96	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.4	101	95	90-110	7	10	
Sulfate	mg/L	ND	50	50	49.1	48.0	98	96	90-110	2	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 952091
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483008, 92810483009, 92810483010

METHOD BLANK: 4892235 Matrix: Water
Associated Lab Samples: 92810483008, 92810483009, 92810483010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/05/25 21:30	
Fluoride	mg/L	ND	0.10	0.050	08/05/25 21:30	
Sulfate	mg/L	ND	1.0	0.50	08/05/25 21:30	

LABORATORY CONTROL SAMPLE: 4892236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.1	106	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	53.5	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4892237 4892238

Parameter	Units	92810483008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.5	50	50	60.2	59.8	103	103	90-110	1	10	
Fluoride	mg/L	0.11	2.5	2.5	2.8	2.7	106	105	90-110	1	10	
Sulfate	mg/L	80.3	50	50	107	105	53	50	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4892239 4892240

Parameter	Units	92810835007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	51.0	51.2	102	102	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	100	102	90-110	2	10	
Sulfate	mg/L	ND	50	50	51.2	51.4	102	103	90-110	0	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953016
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015

METHOD BLANK: 4897697 Matrix: Water
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/09/25 16:01	
Fluoride	mg/L	ND	0.10	0.050	08/09/25 16:01	
Sulfate	mg/L	ND	1.0	0.50	08/09/25 16:01	

LABORATORY CONTROL SAMPLE: 4897698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	49.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897699 4897700

Parameter	Units	92812087001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.4	50	50	53.9	53.3	99	98	90-110	1	10	
Fluoride	mg/L	0.059J	2.5	2.5	2.4	2.4	95	95	90-110	1	10	
Sulfate	mg/L	3.2	50	50	52.0	51.4	98	97	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897701 4897702

Parameter	Units	92810483015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.4	50	50	83.0	83.4	101	102	90-110	0	10	
Fluoride	mg/L	0.14	2.5	2.5	2.6	2.6	98	100	90-110	2	10	
Sulfate	mg/L	132	50	50	175	175	85	85	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953017
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

METHOD BLANK: 4897703 Matrix: Water
Associated Lab Samples: 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/10/25 00:25	
Fluoride	mg/L	ND	0.10	0.050	08/10/25 00:25	
Sulfate	mg/L	ND	1.0	0.50	08/10/25 00:25	

LABORATORY CONTROL SAMPLE: 4897704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897705 4897706

Parameter	Units	92810483016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.3	50	50	55.8	54.8	101	99	90-110	2	10	
Fluoride	mg/L	0.077J	2.5	2.5	2.5	2.5	97	95	90-110	2	10	
Sulfate	mg/L	56.9	50	50	94.0	93.0	74	72	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897707 4897708

Parameter	Units	92810483026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	418	50	50	453	452	69	69	90-110	0	10	M1
Fluoride	mg/L	0.061J	2.5	2.5	2.5	2.5	97	97	90-110	1	10	
Sulfate	mg/L	205	50	50	245	244	79	78	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953568
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

METHOD BLANK: 4900754 Matrix: Water
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/12/25 22:05	
Fluoride	mg/L	ND	0.10	0.050	08/12/25 22:05	
Sulfate	mg/L	ND	1.0	0.50	08/12/25 22:05	

LABORATORY CONTROL SAMPLE: 4900755

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	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900756 4900757

Parameter	Units	92810483030 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.9	50	50	53.3	56.6	97	103	90-110	6	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.6	94	101	90-110	6	10	
Sulfate	mg/L	52.2	50	50	99.7	89.0	95	74	90-110	11	10	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900758 4900759

Parameter	Units	92810483040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	31.7	50	50	81.2	80.4	99	97	90-110	1	10	
Fluoride	mg/L	0.13	2.5	2.5	2.6	2.5	98	97	90-110	1	10	
Sulfate	mg/L	74.7	50	50	83.5	81.7	18	14	90-110	2	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954530
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92810483045

METHOD BLANK: 4906217 Matrix: Water
Associated Lab Samples: 92810483045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/16/25 15:17	
Fluoride	mg/L	ND	0.10	0.050	08/16/25 15:17	
Sulfate	mg/L	ND	1.0	0.50	08/16/25 15:17	

LABORATORY CONTROL SAMPLE: 4906218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906219 4906220

Parameter	Units	92813493002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.1	50	50	49.8	52.2	97	102	90-110	5	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	95	100	90-110	6	10	
Sulfate	mg/L	2.2	50	50	50.6	53.0	97	102	90-110	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906221 4906222

Parameter	Units	92813438004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	13.7	50	50	63.7	64.0	100	101	90-110	1	10	
Fluoride	mg/L	1.3	2.5	2.5	3.8	3.8	100	99	90-110	1	10	
Sulfate	mg/L	770	50	50	809	809	77	78	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954531
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810483046, 92810483047

METHOD BLANK: 4906223 Matrix: Water
Associated Lab Samples: 92810483046, 92810483047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/16/25 21:32	
Fluoride	mg/L	ND	0.10	0.050	08/16/25 21:32	
Sulfate	mg/L	ND	1.0	0.50	08/16/25 21:32	

LABORATORY CONTROL SAMPLE: 4906224

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	2.6	105	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906225 4906226

Parameter	Units	92810483046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	177	50	50	218	219	82	85	90-110	1	10	M1
Fluoride	mg/L	0.089J	2.5	2.5	2.5	2.6	97	99	90-110	2	10	
Sulfate	mg/L	157	50	50	198	200	83	85	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 951690
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

METHOD BLANK: 4890252 Matrix: Water
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/05/25 16:49	
Arsenic	mg/L	ND	0.0020	0.0012	08/05/25 16:49	
Barium	mg/L	ND	0.0050	0.0012	08/05/25 16:49	
Beryllium	mg/L	ND	0.00040	0.00015	08/05/25 16:49	
Boron	mg/L	ND	0.040	0.0062	08/06/25 13:22	
Cadmium	mg/L	ND	0.00050	0.00012	08/05/25 16:49	
Calcium	mg/L	ND	0.40	0.10	08/05/25 16:49	
Chromium	mg/L	ND	0.0050	0.0012	08/05/25 16:49	
Cobalt	mg/L	ND	0.0050	0.0012	08/05/25 16:49	
Lead	mg/L	ND	0.0010	0.00025	08/05/25 16:49	
Molybdenum	mg/L	ND	0.010	0.0025	08/05/25 16:49	
Selenium	mg/L	ND	0.0050	0.0012	08/05/25 16:49	
Thallium	mg/L	ND	0.00050	0.00015	08/05/25 16:49	

LABORATORY CONTROL SAMPLE: 4890253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.098	98	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	0.97	97	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890254 4890255

Parameter	Units	92810183020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.096	0.096	95	96	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890254 4890255

Parameter	Units	92810183020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	198 ug/L	0.1	0.1	0.30	0.30	99	101	75-125	1	20	
Beryllium	mg/L	0.20J ug/L	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Boron	mg/L	ND	0.1	0.1	0.10	0.10	99	99	75-125	0	20	
Cadmium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20	
Calcium	mg/L	697 ug/L	1	1	1.6	1.6	89	86	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.098	0.099	98	98	75-125	0	20	
Cobalt	mg/L	2.3J ug/L	0.1	0.1	0.11	0.11	103	104	75-125	1	20	
Lead	mg/L	0.36J ug/L	0.1	0.1	0.097	0.097	97	96	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 952513
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483008, 92810483009, 92810483010

METHOD BLANK: 4894663 Matrix: Water
Associated Lab Samples: 92810483008, 92810483009, 92810483010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/08/25 05:54	
Arsenic	mg/L	ND	0.0020	0.0012	08/08/25 05:54	
Barium	mg/L	ND	0.0050	0.0012	08/08/25 05:54	
Beryllium	mg/L	ND	0.00040	0.00015	08/08/25 05:54	
Boron	mg/L	ND	0.040	0.0062	08/08/25 05:54	
Cadmium	mg/L	ND	0.00050	0.00012	08/08/25 05:54	
Calcium	mg/L	ND	0.40	0.10	08/08/25 05:54	
Chromium	mg/L	ND	0.0050	0.0012	08/08/25 05:54	
Cobalt	mg/L	ND	0.0050	0.0012	08/08/25 05:54	
Lead	mg/L	ND	0.0010	0.00025	08/08/25 05:54	
Molybdenum	mg/L	ND	0.010	0.0025	08/08/25 05:54	
Selenium	mg/L	ND	0.0050	0.0012	08/08/25 05:54	
Thallium	mg/L	ND	0.00050	0.00015	08/11/25 13:58	

LABORATORY CONTROL SAMPLE: 4894664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.090	90	80-120	
Arsenic	mg/L	0.1	0.089	89	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.089	89	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.089	89	80-120	
Calcium	mg/L	1	0.98	98	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Molybdenum	mg/L	0.1	0.092	92	80-120	
Selenium	mg/L	0.1	0.087	87	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894665 4894666

Parameter	Units	92810752001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.093	0.098	93	98	75-125	5	20	
Arsenic	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894665 4894666

Parameter	Units	92810752001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	82.1 ug/L	0.1	0.1	0.18	0.18	96	95	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20	
Boron	mg/L	298 ug/L	0.1	0.1	0.40	0.40	101	107	75-125	1	20	
Cadmium	mg/L	0.0018	0.1	0.1	0.098	0.099	96	97	75-125	1	20	
Calcium	mg/L	14600 ug/L	1	1	15.6	15.6	102	92	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.094	0.096	94	95	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.098	0.10	97	99	75-125	2	20	
Lead	mg/L	0.0071	0.1	0.1	0.11	0.11	99	99	75-125	0	20	
Molybdenum	mg/L	7.4	0.1	0.1	7.4	7.7	-28	262	75-125	4	20	M1
Selenium	mg/L	ND	0.1	0.1	0.098	0.098	97	98	75-125	0	20	
Thallium	mg/L	ND	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.: 92810483

QC Batch: 953235
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015, 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

METHOD BLANK: 4898698
Matrix: Water
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015, 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/13/25 23:53	
Arsenic	mg/L	ND	0.0020	0.0012	08/13/25 23:53	
Barium	mg/L	ND	0.0050	0.0012	08/13/25 23:53	
Beryllium	mg/L	ND	0.00040	0.00015	08/13/25 23:53	
Boron	mg/L	ND	0.040	0.0062	08/13/25 23:53	
Cadmium	mg/L	ND	0.00050	0.00012	08/13/25 23:53	
Calcium	mg/L	ND	0.40	0.10	08/13/25 23:53	
Chromium	mg/L	ND	0.0050	0.0012	08/13/25 23:53	
Cobalt	mg/L	ND	0.0050	0.0012	08/14/25 09:48	
Lead	mg/L	ND	0.0010	0.00025	08/13/25 23:53	
Molybdenum	mg/L	ND	0.010	0.0025	08/13/25 23:53	
Selenium	mg/L	ND	0.0050	0.0012	08/13/25 23:53	
Thallium	mg/L	ND	0.00050	0.00015	08/13/25 23:53	

LABORATORY CONTROL SAMPLE: 4898699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.090	90	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.089	89	80-120	
Boron	mg/L	0.1	0.097	97	80-120	
Cadmium	mg/L	0.1	0.090	90	80-120	
Calcium	mg/L	1	0.97	97	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Molybdenum	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898700 4898701

Parameter	Units	92810483021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	0.00051J	0.1	0.1	0.096	0.094	96	93	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Barium	mg/L	0.061	0.1	0.1	0.16	0.16	97	95	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20	
Boron	mg/L	1.7	0.1	0.1	1.9	1.8	109	97	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	2	20	
Calcium	mg/L	80.8	1	1	81.6	81.9	81	102	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.098	0.096	97	95	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Molybdenum	mg/L	0.0048J	0.1	0.1	0.11	0.11	102	103	75-125	1	20	
Selenium	mg/L	0.0053	0.1	0.1	0.11	0.11	102	104	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953942
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

METHOD BLANK: 4902857 Matrix: Water
Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/26/25 01:33	
Arsenic	mg/L	ND	0.0020	0.0012	08/26/25 01:33	
Barium	mg/L	ND	0.0050	0.0012	08/26/25 01:33	
Beryllium	mg/L	ND	0.00040	0.00015	08/26/25 01:33	
Boron	mg/L	ND	0.040	0.0062	08/26/25 01:33	
Cadmium	mg/L	ND	0.00050	0.00012	08/26/25 01:33	
Calcium	mg/L	ND	0.40	0.10	08/27/25 06:43	
Chromium	mg/L	ND	0.0050	0.0012	08/26/25 01:33	
Cobalt	mg/L	ND	0.0050	0.0012	08/26/25 01:33	
Lead	mg/L	ND	0.0010	0.00025	08/26/25 01:33	
Molybdenum	mg/L	ND	0.010	0.0025	08/26/25 01:33	
Selenium	mg/L	ND	0.0050	0.0012	08/26/25 01:33	
Thallium	mg/L	ND	0.00050	0.00015	08/26/25 01:33	

LABORATORY CONTROL SAMPLE: 4902858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.088	88	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.087	87	80-120	
Boron	mg/L	0.1	0.092	92	80-120	
Cadmium	mg/L	0.1	0.089	89	80-120	
Calcium	mg/L	1	0.89	89	80-120	
Chromium	mg/L	0.1	0.093	93	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Molybdenum	mg/L	0.1	0.088	88	80-120	
Selenium	mg/L	0.1	0.087	87	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.: 92810483

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4902859 4902860

Parameter	Units	92810483031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	0.0034	0.1	0.1	0.095	0.094	92	90	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.088	0.086	88	86	75-125	2	20	
Barium	mg/L	0.044	0.1	0.1	0.14	0.13	93	90	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.088	0.088	88	88	75-125	0	20	
Boron	mg/L	6.0	0.1	0.1	5.9	6.1	-30	144	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.090	0.089	90	89	75-125	1	20	
Calcium	mg/L	228	1	1	221	232	-687	368	75-125	5	20	
Chromium	mg/L	ND	0.1	0.1	0.090	0.089	89	89	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.088	0.087	88	87	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.093	0.090	93	90	75-125	3	20	
Molybdenum	mg/L	0.0043J	0.1	0.1	0.096	0.097	92	92	75-125	0	20	
Selenium	mg/L	0.0034J	0.1	0.1	0.066	0.063	62	60	75-125	3	20	M1
Thallium	mg/L	0.00036J	0.1	0.1	0.095	0.092	95	92	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954880
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483045, 92810483046, 92810483047

METHOD BLANK: 4907683 Matrix: Water
Associated Lab Samples: 92810483045, 92810483046, 92810483047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/04/25 22:43	
Arsenic	mg/L	ND	0.0020	0.0012	09/04/25 22:43	
Barium	mg/L	ND	0.0050	0.0012	09/04/25 22:43	
Beryllium	mg/L	ND	0.00040	0.00015	09/04/25 22:43	
Boron	mg/L	ND	0.040	0.0062	09/04/25 22:43	
Cadmium	mg/L	ND	0.00050	0.00012	09/04/25 22:43	
Calcium	mg/L	ND	0.40	0.10	09/05/25 10:21	
Chromium	mg/L	ND	0.0050	0.0012	09/04/25 22:43	
Cobalt	mg/L	ND	0.0050	0.0012	09/04/25 22:43	
Lead	mg/L	ND	0.0010	0.00025	09/04/25 22:43	
Molybdenum	mg/L	ND	0.010	0.0025	09/04/25 22:43	
Selenium	mg/L	ND	0.0050	0.0012	09/04/25 22:43	
Thallium	mg/L	ND	0.00050	0.00015	09/04/25 22:43	4g

LABORATORY CONTROL SAMPLE: 4907684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.090	90	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.087	87	80-120	
Boron	mg/L	0.1	0.088	88	80-120	
Cadmium	mg/L	0.1	0.088	88	80-120	
Calcium	mg/L	1	0.93	93	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.11	109	80-120	
Molybdenum	mg/L	0.1	0.088	88	80-120	
Selenium	mg/L	0.1	0.084	84	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	5g

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907685 4907686

Parameter	Units	92813443001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.095	0.093	95	93	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.088	0.087	88	87	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907685 4907686

Parameter	Units	92813443001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.048	0.1	0.1	0.14	0.14	94	94	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.090	0.088	90	88	75-125	2	20	
Boron	mg/L	7.9	0.1	0.1	7.8	7.7	-189	-289	75-125	1	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.089	0.088	89	88	75-125	1	20	
Calcium	mg/L	252	1	1	246	245	-652	-765	75-125	0	20	M1
Chromium	mg/L	ND	0.1	0.1	0.091	0.089	91	89	75-125	2	20	
Cobalt	mg/L	0.0027J	0.1	0.1	0.091	0.091	89	88	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Molybdenum	mg/L	0.043	0.1	0.1	0.14	0.14	99	97	75-125	1	20	
Selenium	mg/L	0.0036J	0.1	0.1	0.083	0.084	79	80	75-125	1	20	
Thallium	mg/L	0.00049J	0.1	0.1	0.090	0.090	89	89	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 951945 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

METHOD BLANK: 4891349 Matrix: Water
Associated Lab Samples: 92810483001, 92810483002, 92810483003, 92810483004, 92810483005, 92810483006, 92810483007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/05/25 20:51	

LABORATORY CONTROL SAMPLE: 4891350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0019	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4891351 4891352

Parameter	Units	92810422002 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	0.002	0.002	0.0019	0.0019	94	94	80-120	0	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 952531
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483008, 92810483009, 92810483010

METHOD BLANK: 4894742 Matrix: Water
Associated Lab Samples: 92810483008, 92810483009, 92810483010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/07/25 22:18	

LABORATORY CONTROL SAMPLE: 4894743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0019	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894744 4894745

Parameter	Units	92810483010 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	0.002	0.002	0.0021	0.0021	96	97	80-120	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953242
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015, 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

METHOD BLANK: 4898762 Matrix: Water
Associated Lab Samples: 92810483011, 92810483012, 92810483013, 92810483014, 92810483015, 92810483016, 92810483017, 92810483018, 92810483019, 92810483020, 92810483021, 92810483022, 92810483023, 92810483024, 92810483025, 92810483026, 92810483027, 92810483028, 92810483029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/16/25 22:18	

LABORATORY CONTROL SAMPLE: 4898763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0024	121	80-120	L1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898764 4898765

Parameter	Units	92810483017 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	0.002	0.002	0.0019	0.0021	96	103	80-120	7	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 953733 — Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A — Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia

Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

METHOD BLANK: 4901449 — Matrix: Water

Associated Lab Samples: 92810483030, 92810483031, 92810483032, 92810483033, 92810483034, 92810483035, 92810483036, 92810483037, 92810483038, 92810483039, 92810483040, 92810483041, 92810483042, 92810483043, 92810483044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/15/25 23:51	

LABORATORY CONTROL SAMPLE: 4901450

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4901451 4901452

Parameter	Units	92810483040 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	0.002	0.002	0.0020	0.0021	101	104	80-120	3	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92810483

QC Batch: 954998
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810483045, 92810483046, 92810483047

METHOD BLANK: 4908315 Matrix: Water
Associated Lab Samples: 92810483045, 92810483046, 92810483047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/20/25 21:45	

LABORATORY CONTROL SAMPLE: 4908316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4908317 4908318

Parameter	Units	92813228004 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	0.002	0.002	0.0020	0.0020	97	97	80-120	0	20	

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QUALIFIERS

Project: Bowen AP-1
Pace Project No.: 92810483

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.

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TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was .0015 grams.
2g	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was 0.0055 g
3g	The same analyte was detected in an associated instrument blank at a concentration above 1/2 the reporting limit but below the reporting limit. The analyte concentration in the sample is at least ten times greater than the blank concentration or is below the reporting limit.
4g	The same analyte was detected in an associated instrument blank at a concentration above 1/2 the reporting limit but below the reporting limit. The concentration in the method blank was below the reporting limit and will be reported.
5g	The same analyte was detected in an associated instrument blank at a concentration above half the reporting limit but less than the reporting limit. The concentration in the LCS was greater than ten times the concentration in the instrument blank, and the percent recovery was within method acceptance limits.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810483001	**BOW-BGWA-47D**	3015	2572931	EPA 6020B	2572931
92810483002	**BOW-BGWA-48D**	3015	2572931	EPA 6020B	2572931
92810483003	**BOW-BGWC-8**	3015	2572931	EPA 6020B	2572931
92810483004	**BOW-BGWC-50D**	3015	2572931	EPA 6020B	2572931
92810483005	**BOW-AP1-FD-01**	3015	2572931	EPA 6020B	2572931
92810483006	**BOW-AP1-FB-01**	3015	2572931	EPA 6020B	2572931
92810483007	**BOW-AP1-EB-01**	3015	2572931	EPA 6020B	2572931
92810483008	**BOW-BGWC-9**	3015	2577182	EPA 6020B	2577182
92810483009	**BOW-BGWC-12**	3015	2577182	EPA 6020B	2577182
92810483010	**BOW-BGWC-14A**	3015	2577182	EPA 6020B	2577182
92810483011	**BOW-BGWA-2**	3015	2578718	EPA 6020B	2578718
92810483012	**BOW-BGWC-7**	3015	2578718	EPA 6020B	2578718
92810483013	**BOW-BGWC-10**	3015	2578718	EPA 6020B	2578718
92810483014	**BOW-BGWC-16**	3015	2577749	EPA 6020B	2577749
92810483015	**BOW-BGWC-17**	3015	2577749	EPA 6020B	2577749
92810483016	**BOW-BGWC-18**	3015	2577749	EPA 6020B	2577749
92810483017	**BOW-BGWC-19**	3015	2577749	EPA 6020B	2577749
92810483018	**BOW-BGWC-20**	3015	2577749	EPA 6020B	2577749
92810483019	**BOW-BGWC-22**	3015	2577749	EPA 6020B	2577749
92810483020	**BOW-BGWC-25**	3015	2577749	EPA 6020B	2577749
92810483021	**BOW-BGWC-30**	3015	2577749	EPA 6020B	2577749
92810483022	**BOW-BGWC-34D**	3015	2577749	EPA 6020B	2577749
92810483023	**BOW-BGWC-36D**	3015	2577749	EPA 6020B	2577749
92810483024	**BOW-BGWC-38D**	3015	2577749	EPA 6020B	2577749
92810483025	**BOW-BGWC-43D**	3015	2577749	EPA 6020B	2577749
92810483026	**BOW-BGWC-49D**	3015	2577749	EPA 6020B	2577749
92810483027	**BOW-AP1-FD-02**	3015	2577749	EPA 6020B	2577749
92810483028	**BOW-AP1-FB-02**	3015	2577749	EPA 6020B	2577749
92810483029	**BOW-AP1-EB-02**	3015	2577749	EPA 6020B	2577749
92810483030	**BOW-BGWC-21**	3015	2580750	EPA 6020B	2580750
92810483031	**BOW-BGWC-23**	3015	2580750	EPA 6020B	2580750
92810483032	**BOW-BGWC-24**	3015	2580750	EPA 6020B	2580750
92810483033	**BOW-BGWC-31**	3015	2580750	EPA 6020B	2580750
92810483034	**BOW-BGWC-35D**	3015	2580750	EPA 6020B	2580750
92810483035	**BOW-BGWC-40**	3015	2580750	EPA 6020B	2580750
92810483036	**BOW-BGWC-52**	3015	2580750	EPA 6020B	2580750
92810483037	**BOW-BGWC-53D**	3015	2580750	EPA 6020B	2580750
92810483038	**BOW-PZ-7**	3015	2580750	EPA 6020B	2580750
92810483039	**BOW-AP1-FD-03**	3015	2580750	EPA 6020B	2580750
92810483040	**BOW-AP1-FD-04**	3015	2580750	EPA 6020B	2580750
92810483041	**BOW-AP1-FB-03**	3015	2580750	EPA 6020B	2580750
92810483042	**BOW-AP1-FB-04**	3015	2580750	EPA 6020B	2580750
92810483043	**BOW-AP1-EB-03**	3015	2580750	EPA 6020B	2580750
92810483044	**BOW-AP1-EB-04**	3015	2580750	EPA 6020B	2580750
92810483045	**BOW-BGWA-29**	3015	2583667	EPA 6020B	2583667
92810483046	**BOW-BGWC-32**	3015	2583667	EPA 6020B	2583667

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810483047	**BOW-BGWC-51**	3015	2583667	EPA 6020B	2583667
92810483001	**BOW-BGWA-47D**	SM 2540C-2020	952146		
92810483002	**BOW-BGWA-48D**	SM 2540C-2020	952146		
92810483003	**BOW-BGWC-8**	SM 2540C-2020	952146		
92810483004	**BOW-BGWC-50D**	SM 2540C-2020	952146		
92810483005	**BOW-AP1-FD-01**	SM 2540C-2020	952146		
92810483006	**BOW-AP1-FB-01**	SM 2540C-2020	952146		
92810483007	**BOW-AP1-EB-01**	SM 2540C-2020	952146		
92810483008	**BOW-BGWC-9**	SM 2540C-2020	952726		
92810483009	**BOW-BGWC-12**	SM 2540C-2020	952726		
92810483010	**BOW-BGWC-14A**	SM 2540C-2020	952726		
92810483011	**BOW-BGWA-2**	SM 2540C-2020	953028		
92810483012	**BOW-BGWC-7**	SM 2540C-2020	953028		
92810483013	**BOW-BGWC-10**	SM 2540C-2020	953028		
92810483014	**BOW-BGWC-16**	SM 2540C-2020	953028		
92810483015	**BOW-BGWC-17**	SM 2540C-2020	953028		
92810483016	**BOW-BGWC-18**	SM 2540C-2020	953028		
92810483017	**BOW-BGWC-19**	SM 2540C-2020	953404		
92810483018	**BOW-BGWC-20**	SM 2540C-2020	953690		
92810483019	**BOW-BGWC-22**	SM 2540C-2020	953690		
92810483020	**BOW-BGWC-25**	SM 2540C-2020	953690		
92810483021	**BOW-BGWC-30**	SM 2540C-2020	953028		
92810483022	**BOW-BGWC-34D**	SM 2540C-2020	953690		
92810483023	**BOW-BGWC-36D**	SM 2540C-2020	953690		
92810483024	**BOW-BGWC-38D**	SM 2540C-2020	953404		
92810483025	**BOW-BGWC-43D**	SM 2540C-2020	953690		
92810483026	**BOW-BGWC-49D**	SM 2540C-2020	953404		
92810483027	**BOW-AP1-FD-02**	SM 2540C-2020	953028		
92810483028	**BOW-AP1-FB-02**	SM 2540C-2020	953028		
92810483029	**BOW-AP1-EB-02**	SM 2540C-2020	953028		
92810483030	**BOW-BGWC-21**	SM 2540C-2020	954668		
92810483031	**BOW-BGWC-23**	SM 2540C-2020	954668		
92810483032	**BOW-BGWC-24**	SM 2540C-2020	954668		
92810483033	**BOW-BGWC-31**	SM 2540C-2020	954031		
92810483034	**BOW-BGWC-35D**	SM 2540C-2020	954668		
92810483035	**BOW-BGWC-40**	SM 2540C-2020	954031		
92810483036	**BOW-BGWC-52**	SM 2540C-2020	954668		
92810483037	**BOW-BGWC-53D**	SM 2540C-2020	954031		
92810483038	**BOW-PZ-7**	SM 2540C-2020	954668		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810483039	**BOW-AP1-FD-03**	SM 2540C-2020	954031		
92810483040	**BOW-AP1-FD-04**	SM 2540C-2020	954668		
92810483041	**BOW-AP1-FB-03**	SM 2540C-2020	954031		
92810483042	**BOW-AP1-FB-04**	SM 2540C-2020	954668		
92810483043	**BOW-AP1-EB-03**	SM 2540C-2020	954031		
92810483044	**BOW-AP1-EB-04**	SM 2540C-2020	954668		
92810483045	**BOW-BGWA-29**	SM 2540C-2020	954728		
92810483046	**BOW-BGWC-32**	SM 2540C-2020	954728		
92810483047	**BOW-BGWC-51**	SM 2540C-2020	955203		
92810483001	**BOW-BGWA-47D**	EPA 300.0 Rev 2.1 1993	951623		
92810483002	**BOW-BGWA-48D**	EPA 300.0 Rev 2.1 1993	951623		
92810483003	**BOW-BGWC-8**	EPA 300.0 Rev 2.1 1993	951623		
92810483004	**BOW-BGWC-50D**	EPA 300.0 Rev 2.1 1993	951623		
92810483005	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	951623		
92810483006	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	951624		
92810483007	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	951624		
92810483008	**BOW-BGWC-9**	EPA 300.0 Rev 2.1 1993	952091		
92810483009	**BOW-BGWC-12**	EPA 300.0 Rev 2.1 1993	952091		
92810483010	**BOW-BGWC-14A**	EPA 300.0 Rev 2.1 1993	952091		
92810483011	**BOW-BGWA-2**	EPA 300.0 Rev 2.1 1993	953016		
92810483012	**BOW-BGWC-7**	EPA 300.0 Rev 2.1 1993	953016		
92810483013	**BOW-BGWC-10**	EPA 300.0 Rev 2.1 1993	953016		
92810483014	**BOW-BGWC-16**	EPA 300.0 Rev 2.1 1993	953016		
92810483015	**BOW-BGWC-17**	EPA 300.0 Rev 2.1 1993	953016		
92810483016	**BOW-BGWC-18**	EPA 300.0 Rev 2.1 1993	953017		
92810483017	**BOW-BGWC-19**	EPA 300.0 Rev 2.1 1993	953017		
92810483018	**BOW-BGWC-20**	EPA 300.0 Rev 2.1 1993	953017		
92810483019	**BOW-BGWC-22**	EPA 300.0 Rev 2.1 1993	953017		
92810483020	**BOW-BGWC-25**	EPA 300.0 Rev 2.1 1993	953017		
92810483021	**BOW-BGWC-30**	EPA 300.0 Rev 2.1 1993	953017		
92810483022	**BOW-BGWC-34D**	EPA 300.0 Rev 2.1 1993	953017		
92810483023	**BOW-BGWC-36D**	EPA 300.0 Rev 2.1 1993	953017		
92810483024	**BOW-BGWC-38D**	EPA 300.0 Rev 2.1 1993	953017		
92810483025	**BOW-BGWC-43D**	EPA 300.0 Rev 2.1 1993	953017		
92810483026	**BOW-BGWC-49D**	EPA 300.0 Rev 2.1 1993	953017		
92810483027	**BOW-AP1-FD-02**	EPA 300.0 Rev 2.1 1993	953017		
92810483028	**BOW-AP1-FB-02**	EPA 300.0 Rev 2.1 1993	953017		
92810483029	**BOW-AP1-EB-02**	EPA 300.0 Rev 2.1 1993	953017		
92810483030	**BOW-BGWC-21**	EPA 300.0 Rev 2.1 1993	953568		
92810483031	**BOW-BGWC-23**	EPA 300.0 Rev 2.1 1993	953568		
92810483032	**BOW-BGWC-24**	EPA 300.0 Rev 2.1 1993	953568		
92810483033	**BOW-BGWC-31**	EPA 300.0 Rev 2.1 1993	953568		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810483034	**BOW-BGWC-35D**	EPA 300.0 Rev 2.1 1993	953568		
92810483035	**BOW-BGWC-40**	EPA 300.0 Rev 2.1 1993	953568		
92810483036	**BOW-BGWC-52**	EPA 300.0 Rev 2.1 1993	953568		
92810483037	**BOW-BGWC-53D**	EPA 300.0 Rev 2.1 1993	953568		
92810483038	**BOW-PZ-7**	EPA 300.0 Rev 2.1 1993	953568		
92810483039	**BOW-AP1-FD-03**	EPA 300.0 Rev 2.1 1993	953568		
92810483040	**BOW-AP1-FD-04**	EPA 300.0 Rev 2.1 1993	953568		
92810483041	**BOW-AP1-FB-03**	EPA 300.0 Rev 2.1 1993	953568		
92810483042	**BOW-AP1-FB-04**	EPA 300.0 Rev 2.1 1993	953568		
92810483043	**BOW-AP1-EB-03**	EPA 300.0 Rev 2.1 1993	953568		
92810483044	**BOW-AP1-EB-04**	EPA 300.0 Rev 2.1 1993	953568		
92810483045	**BOW-BGWA-29**	EPA 300.0 Rev 2.1 1993	954530		
92810483046	**BOW-BGWC-32**	EPA 300.0 Rev 2.1 1993	954531		
92810483047	**BOW-BGWC-51**	EPA 300.0 Rev 2.1 1993	954531		
92810483001	**BOW-BGWA-47D**	EPA 3005A	951690	EPA 6020B	952184
92810483002	**BOW-BGWA-48D**	EPA 3005A	951690	EPA 6020B	952184
92810483003	**BOW-BGWC-8**	EPA 3005A	951690	EPA 6020B	952184
92810483004	**BOW-BGWC-50D**	EPA 3005A	951690	EPA 6020B	952184
92810483005	**BOW-AP1-FD-01**	EPA 3005A	951690	EPA 6020B	952184
92810483006	**BOW-AP1-FB-01**	EPA 3005A	951690	EPA 6020B	952184
92810483007	**BOW-AP1-EB-01**	EPA 3005A	951690	EPA 6020B	952184
92810483008	**BOW-BGWC-9**	EPA 3005A	952513	EPA 6020B	952831
92810483009	**BOW-BGWC-12**	EPA 3005A	952513	EPA 6020B	952831
92810483010	**BOW-BGWC-14A**	EPA 3005A	952513	EPA 6020B	952831
92810483011	**BOW-BGWA-2**	EPA 3005A	953235	EPA 6020B	954115
92810483012	**BOW-BGWC-7**	EPA 3005A	953235	EPA 6020B	954115
92810483013	**BOW-BGWC-10**	EPA 3005A	953235	EPA 6020B	954115
92810483014	**BOW-BGWC-16**	EPA 3005A	953235	EPA 6020B	954115
92810483015	**BOW-BGWC-17**	EPA 3005A	953235	EPA 6020B	954115
92810483016	**BOW-BGWC-18**	EPA 3005A	953235	EPA 6020B	954115
92810483017	**BOW-BGWC-19**	EPA 3005A	953235	EPA 6020B	954115
92810483018	**BOW-BGWC-20**	EPA 3005A	953235	EPA 6020B	954115
92810483019	**BOW-BGWC-22**	EPA 3005A	953235	EPA 6020B	954115
92810483020	**BOW-BGWC-25**	EPA 3005A	953235	EPA 6020B	954115
92810483021	**BOW-BGWC-30**	EPA 3005A	953235	EPA 6020B	954115
92810483022	**BOW-BGWC-34D**	EPA 3005A	953235	EPA 6020B	954115
92810483023	**BOW-BGWC-36D**	EPA 3005A	953235	EPA 6020B	954115
92810483024	**BOW-BGWC-38D**	EPA 3005A	953235	EPA 6020B	954115
92810483025	**BOW-BGWC-43D**	EPA 3005A	953235	EPA 6020B	954115
92810483026	**BOW-BGWC-49D**	EPA 3005A	953235	EPA 6020B	954115
92810483027	**BOW-AP1-FD-02**	EPA 3005A	953235	EPA 6020B	954115
92810483028	**BOW-AP1-FB-02**	EPA 3005A	953235	EPA 6020B	954115
92810483029	**BOW-AP1-EB-02**	EPA 3005A	953235	EPA 6020B	954115
92810483030	**BOW-BGWC-21**	EPA 3005A	953942	EPA 6020B	956335
92810483031	**BOW-BGWC-23**	EPA 3005A	953942	EPA 6020B	956335
92810483032	**BOW-BGWC-24**	EPA 3005A	953942	EPA 6020B	956335

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810483033	**BOW-BGWC-31**	EPA 3005A	953942	EPA 6020B	956335
92810483034	**BOW-BGWC-35D**	EPA 3005A	953942	EPA 6020B	956335
92810483035	**BOW-BGWC-40**	EPA 3005A	953942	EPA 6020B	956335
92810483036	**BOW-BGWC-52**	EPA 3005A	953942	EPA 6020B	956335
92810483037	**BOW-BGWC-53D**	EPA 3005A	953942	EPA 6020B	956335
92810483038	**BOW-PZ-7**	EPA 3005A	953942	EPA 6020B	956335
92810483039	**BOW-AP1-FD-03**	EPA 3005A	953942	EPA 6020B	956335
92810483040	**BOW-AP1-FD-04**	EPA 3005A	953942	EPA 6020B	956335
92810483041	**BOW-AP1-FB-03**	EPA 3005A	953942	EPA 6020B	956335
92810483042	**BOW-AP1-FB-04**	EPA 3005A	953942	EPA 6020B	956335
92810483043	**BOW-AP1-EB-03**	EPA 3005A	953942	EPA 6020B	956335
92810483044	**BOW-AP1-EB-04**	EPA 3005A	953942	EPA 6020B	956335
92810483045	**BOW-BGWA-29**	EPA 3005A	954880	EPA 6020B	958350
92810483046	**BOW-BGWC-32**	EPA 3005A	954880	EPA 6020B	958350
92810483047	**BOW-BGWC-51**	EPA 3005A	954880	EPA 6020B	958350
92810483001	**BOW-BGWA-47D**	EPA 7470A	951945	EPA 7470A	952281
92810483002	**BOW-BGWA-48D**	EPA 7470A	951945	EPA 7470A	952281
92810483003	**BOW-BGWC-8**	EPA 7470A	951945	EPA 7470A	952281
92810483004	**BOW-BGWC-50D**	EPA 7470A	951945	EPA 7470A	952281
92810483005	**BOW-AP1-FD-01**	EPA 7470A	951945	EPA 7470A	952281
92810483006	**BOW-AP1-FB-01**	EPA 7470A	951945	EPA 7470A	952281
92810483007	**BOW-AP1-EB-01**	EPA 7470A	951945	EPA 7470A	952281
92810483008	**BOW-BGWC-9**	EPA 7470A	952531	EPA 7470A	952776
92810483009	**BOW-BGWC-12**	EPA 7470A	952531	EPA 7470A	952776
92810483010	**BOW-BGWC-14A**	EPA 7470A	952531	EPA 7470A	952776
92810483011	**BOW-BGWA-2**	EPA 7470A	953242	EPA 7470A	954604
92810483012	**BOW-BGWC-7**	EPA 7470A	953242	EPA 7470A	954604
92810483013	**BOW-BGWC-10**	EPA 7470A	953242	EPA 7470A	954604
92810483014	**BOW-BGWC-16**	EPA 7470A	953242	EPA 7470A	954604
92810483015	**BOW-BGWC-17**	EPA 7470A	953242	EPA 7470A	954604
92810483016	**BOW-BGWC-18**	EPA 7470A	953242	EPA 7470A	954604
92810483017	**BOW-BGWC-19**	EPA 7470A	953242	EPA 7470A	954604
92810483018	**BOW-BGWC-20**	EPA 7470A	953242	EPA 7470A	954604
92810483019	**BOW-BGWC-22**	EPA 7470A	953242	EPA 7470A	954604
92810483020	**BOW-BGWC-25**	EPA 7470A	953242	EPA 7470A	954604
92810483021	**BOW-BGWC-30**	EPA 7470A	953242	EPA 7470A	954604
92810483022	**BOW-BGWC-34D**	EPA 7470A	953242	EPA 7470A	954604
92810483023	**BOW-BGWC-36D**	EPA 7470A	953242	EPA 7470A	954604
92810483024	**BOW-BGWC-38D**	EPA 7470A	953242	EPA 7470A	954604
92810483025	**BOW-BGWC-43D**	EPA 7470A	953242	EPA 7470A	954604
92810483026	**BOW-BGWC-49D**	EPA 7470A	953242	EPA 7470A	954604
92810483027	**BOW-AP1-FD-02**	EPA 7470A	953242	EPA 7470A	954604
92810483028	**BOW-AP1-FB-02**	EPA 7470A	953242	EPA 7470A	954604
92810483029	**BOW-AP1-EB-02**	EPA 7470A	953242	EPA 7470A	954604
92810483030	**BOW-BGWC-21**	EPA 7470A	953733	EPA 7470A	954600
92810483031	**BOW-BGWC-23**	EPA 7470A	953733	EPA 7470A	954600

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92810483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810483032	**BOW-BGWC-24**	EPA 7470A	953733	EPA 7470A	954600
92810483033	**BOW-BGWC-31**	EPA 7470A	953733	EPA 7470A	954600
92810483034	**BOW-BGWC-35D**	EPA 7470A	953733	EPA 7470A	954600
92810483035	**BOW-BGWC-40**	EPA 7470A	953733	EPA 7470A	954600
92810483036	**BOW-BGWC-52**	EPA 7470A	953733	EPA 7470A	954600
92810483037	**BOW-BGWC-53D**	EPA 7470A	953733	EPA 7470A	954600
92810483038	**BOW-PZ-7**	EPA 7470A	953733	EPA 7470A	954600
92810483039	**BOW-AP1-FD-03**	EPA 7470A	953733	EPA 7470A	954600
92810483040	**BOW-AP1-FD-04**	EPA 7470A	953733	EPA 7470A	954600
92810483041	**BOW-AP1-FB-03**	EPA 7470A	953733	EPA 7470A	954600
92810483042	**BOW-AP1-FB-04**	EPA 7470A	953733	EPA 7470A	954600
92810483043	**BOW-AP1-EB-03**	EPA 7470A	953733	EPA 7470A	954600
92810483044	**BOW-AP1-EB-04**	EPA 7470A	953733	EPA 7470A	954600
92810483045	**BOW-BGWA-29**	EPA 7470A	954998	EPA 7470A	955566
92810483046	**BOW-BGWC-32**	EPA 7470A	954998	EPA 7470A	955566
92810483047	**BOW-BGWC-51**	EPA 7470A	954998	EPA 7470A	955566

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mc ☐

WO# : 92810483

92810483

Sample Condition Upon Receipt

Client Name: CA Power

Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 3/1/25 DH

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☐ IR Gun ID: 217 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.5 **Correction Factor:** Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WO				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

WO# : 92810483

PM: BV Due Date: 08/15/25

CLIENT: 92-GP-BOWLF

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

Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec[illegible] ☐ [illegible] ☐

Client GA Power Profile/EZ (Circle one) Notes

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)	BP1N	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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
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.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810483

PM: BV **Due Date: 08/15/25**

CLIENT: 92-GP-BOWLF

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-, SO4 2-, Cl-	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G					6			X	X	X	X		
BOW-BGWA-29	WG	G					6			X	X	X	X		
BOW-BGWA-47D	WG	G			7/31/25	1125	6			X	X	X	X	(01)	
BOW-BGWA-48D	WG	G			7/31/25	1350	6			X	X	X	X	(02)	
BOW-BGWC-7	WG	G					6			X	X	X	X		
BOW-BGWC-8	WG	G			7/31/25	1610	6			X	X	X	X	(03)	
BOW-BGWC-9	WG	G					6			X	X	X	X		
BOW-BGWC-10	WG	G					6			X	X	X	X		
BOW-BGWC-12	WG	G					6			X	X	X	X		
BOW-BGWC-14A	WG	G					6			X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen
Printed Name
Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/1/25 1036		8/1/25 1036
	8/1/25 1106		8/1/25 1106

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810483

PM: BV **Due Date: 08/15/25**

CLIENT: 92-GP-BOWLF

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (If applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

** Container Sizes: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-, SO4-2, Cl	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-50D	WG	G			7/31/25	1510	6			X	X	X	X	W4	
BOW-BGWC-51	WG	G					6			X	X	X	X		
BOW-BGWC-52	WG	G					6			X	X	X	X		
BOW-BGWC-53D	WG	G					6			X	X	X	X		
BOW-PZ-7	WG	G					6			X	X	X	X		
BOW-AP1-FD-01	WG	G			7/31/25	—	6			X	X	X	X	W5	
BOW-AP1-FD-	WG	G					6			X	X	X	X		
BOW-AP1-FB-01	WQ	G			7/31/25	1620	6			X	X	X	X	W6	
BOW-AP1-FB-	WQ	G					6			X	X	X	X		
BOW-AP1-EB-01	WQ	G			7/31/25	1630	6			X	X	X	X	W7	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/1/25 1036	M. Jamboa/pace	8/1/25 1036	
M. Jamboa/pace	8/1/25 1106		8/1/25 1106	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec

WO#: 92810483
PM: BV Due Date: 08/15/25
CLIENT: 92-GP-BOWLF

Sample Condition Upon Receipt

Client Name: Georgia Power Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/5/25 CH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 4.8

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92810483

PM: BV Due Date: 08/15/25

CLIENT: 92-GP-BOWLF

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

Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)	DG9H-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HC (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)-VPA/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3B-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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
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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.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810483

Scan QR Code for Instructions

Company Name: Georgia Power - Buwen	Contact/Report to: Kristen Juriska, Mridao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: srjurisk@southernco.com
Customer Project #:	CC E-Mail: Laura Midkiff, Ben Hodges, Mike Smalley, Noelia Gangi
Project Name: Bowen AP- 2nd SA	Invoice to: Account Payable
Site Collection Info/Activity ID (as applicable)	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC62474-0007
	Quote #:
State Zone Collected: [ ]AR [ ]FL [ ]MI [ ]CT [X]ET	County / State origin of sample(s): Georgia

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

Data Deliverables	Regulatory Program (DW, RCRA, etc.) as applicable	Reportable [ ]Yes [ ]No
[ ]Level II [ ]Level III [ ]Level IV	Rush (Pre-approval required): [ ]Same Day [ ]1 Day [ ]2 Day [ ]3 Day Other	DW PWSID # or WW Permit # as applicable:
[ ]EQUIS [ ]Other	Date Results Requested:	Field Filtered (if applicable) [ ]Yes [ ]No

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4, Cl	*Appendix II, IV	Proj. Mgr.: Bonnie Vang	Acct/Num / Client ID.	Table #:	Profile / Template: 16507	Prelog / Bottle Ord. ID: EZ 3279253	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G					6			X	X	X	X							
BOW-BGWA-29	WG	G					6			X	X	X	X							
BOW-BGWA-47D	WG	G					6			X	X	X	X							
BOW-BGWA-48D	WG	G					6			X	X	X	X							
BOW-BGWC-7	WG	G					6			X	X	X	X							
BOW-BGWC-8	WG	G					6			X	X	X	X							
BOW-BGWC-9	WG	G			8/4/25	1145	6			X	X	X	X						008	
BOW-BGWC-10	WG	G					6			X	X	X	X							
BOW-BGWC-12	WG	G			8/4/25	1330	6			X	X	X	X						009	
BOW-BGWC-14A	WG	G			8/4/25	1525	6			X	X	X	X						010	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix I: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected by: William Lauker, Jay Stewart, Natalie Pipuro, Shannon Huffman

Printed Name:

Signature:

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Corr. Temp (°C)	Corrected Temp (°C)	[ ]Gross

Relinquished by/Company: (Signature)	Date/Time: 8/5/25 0953	Received by/Company: (Signature)	Date/Time: 8/5/25 0953	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time: 8/5/25 1507	Received by/Company: (Signature)	Date/Time: 8/5/25 1507	Delivered by: [ ]In-Person [ ]Courier [ ]FedEX [ ]UPS [ ]Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/6/25 ow

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 6.0 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): 6.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WD				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
8		1	1		2		2																							
9		1	1		2		2																							
10		1	1		2		2																							
11		1	1		2		2																							
12		1	1		2		2																							

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	UP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	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)	DG9Y-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)		BP3B-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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5400 Klockner Ave. Suite 120, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810483

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjunnk@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP- 2nd SA	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable) [ ] Yes [ ] No Analysis:

Specify Container Size**: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5035, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix*	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4, Cl	*Appendix III, IV							Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G			8/5/25	1410	6			X	X	X	X							011	
BOW-BGWA-29	WG	G					6			X	X	X	X								
BOW-BGWA-47D	WG	G					6			X	X	X	X								
BOW-BGWA-48D	WG	G					6			X	X	X	X								
BOW-BGWC-7	WG	G			8/5/25	1038	6			X	X	X	X							012	
BOW-BGWC-8	WG	G					6			X	X	X	X								
BOW-BGWC-9	WG	G					6			X	X	X	X								
BOW-BGWC-10	WG	G			8/5/25	1153	6			X	X	X	X							013	
BOW-BGWC-12	WG	G					6			X	X	X	X								
BOW-BGWC-14A	WG	G					6			X	X	X	X								

Lab Use Only: Proj. Mgr: Bonnie Varig; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Lacker, Jay Stewart, Natalie Piparo, Shannon Northern

Signature:

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
EnSafe	8/8/25 945		8/8/25 0920	
Relinquished by/Company: (Signature)	8/8/25 1028	Received by/Company: (Signature)	8/8/25 1028	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
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Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 1 | 2 | 3 | 3
Identify Container Preservative Type***: 2 | 1 | 1 | 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5035, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F: SO4, Cl	*Appendix III, IV	Lab Use Only: Proj. Mgr: Bonnie Vang; Acct/Num / Client ID:	Table #:	Profile / Template: 16507	Prelog / Bottle Ord. ID: EZ 3279253	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-16	WG	G			8/5/25	1130	6			X	X	X	X					014	
BOW-BGWC-17	WG	G			8/5/25	1315	6			X	X	X	X					015	
BOW-BGWC-18	WG	G			8/5/25	1450	6			X	X	X	X					016	
BOW-BGWC-19	WG	G			8/6/25	1458	6			X	X	X	X					017	
BOW-BGWC-20	WG	G			8/7/25	1311	6			X	X	X	X					018	
BOW-BGWC-21	WG	G					6			X	X	X	X						
BOW-BGWC-22	WG	G			8/7/25	1440	6			X	X	X	X					019	
BOW-BGWC-23	WG	G					6			X	X	X	X						
BOW-BGWC-24	WG	G					6			X	X	X	X						
BOW-BGWC-25	WG	G			8/7/25	1543	6			X	X	X	X					020	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Lasker, Jay Siewert, Natalie Piparo, Shannon Norinen
Printed Name:
Signature:
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers | Thermometer ID | Correction Factor (°C) | Cus. Temp (°C) | Corrected Temp (°C) | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/8/25 945		8/8/25 0955
	8/8/25 1025		8/8/25 1028

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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Project Name: Bowen AP 2nd SA
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Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smalley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
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DW PWSID # or WW Permit # as applicable
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Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

** Container Size: [1] 1L, [2] 500mL, [3] 250mL, [4] 125mL, [5] 100mL, [6] 40mL vial, [7] EnCore, [8] TerraCore, [9] 80mL, [10] Other
*** Preservative Types: [1] None, [2] HNO3, [3] H2SO4, [4] HCl, [5] NaOH, [6] Zn Acetate, [7] NaHSO4, [8] Sod Thiosulfate, [9] Ascorbic Acid, [10] MeOH, [11] Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4, Cl	*Appendix III, IV	Lab Use Only: Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G			8/5/25	1412	6			X	X	X	X	021	
BOW-BGWC-31	WG	G					6			X	X	X	X		
BOW-BGWC-32	WG	G					6			X	X	X	X		
BOW-BGWC-34D	WG	G			8/7/25	1650	6			X	X	X	X	022	
BOW-BGWC-35D	WG	G					6			X	X	X	X		
BOW-BGWC-36D	WG	G			8/7/25	1246	6			X	X	X	X	023	
BOW-BGWC-38D	WG	G			8/6/25	1557	6			X	X	X	X	024	
BOW-BGWC-40	WG	G					6			X	X	X	X		
BOW-BGWC-43D	WG	G			8/7/25	1053	6			X	X	X	X	025	
BOW-BGWC-49D	WG	G			8/6/25	1327	6			X	X	X	X	026	

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Lasher, Jay Siewert, Natalie Piparo, Shannon Northen
Printed Name:
Signature:
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
EnSafe	8/8/25 445		8/8/25 0545	
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Delivered by: [ ] In-Person [ ] Courier
	8/8/25 1028		8/8/25 1028	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5400 Kinsey Ave Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: krijunnk@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bower AP- 2nd SA	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc) as applicable — Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0 F, SO4², Cl	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-50D	WG	G					6			X	X	X	X		
BOW-BGWC-51	WG	G					6			X	X	X	X		
BOW-BGWC-52	WG	G					6			X	X	X	X		
BOW-BGWC-53D	WG	G					6			X	X	X	X		
BOW-PZ-7	WG	G					6			X	X	X	X		
BOW-AP1-FD-02	WG	G			8/5/25	—	6			X	X	X	X	027	
BOW-AP1-FD-	WG	G					6			X	X	X	X		
BOW-AP1-FB-02	WQ	G			8/5/25	1555	6			X	X	X	X	028	
BOW-AP1-FB-	WQ	G					6			X	X	X	X		
BOW-AP1-EB-02	WQ	G			8/5/25	1610	6			X	X	X	X	029	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix II: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Stewart, Natalie Piparo, Shannon Northen
Printed Name:
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] Ontce

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time: 8/8/25 1028	Received by/Company: (Signature)	Date/Time: 8/8/25 1028
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 4 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Other:

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/12/25 CW

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.3 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.3

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
8		1	1		2		2																							
9		1	1		2		2																							
10		1	1		2		2																							
11		1	1		2		2																							
12		1	1		2		2																							

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BPIN	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)	VG5T-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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4																														
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6																														
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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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810483

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable.

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-, SO4-2-, Cl-	*Appendix III, IV	Sample Comment
BOW-BGWC-16	WG	G					6			X	X	X	X	
BOW-BGWC-17	WG	G					6			X	X	X	X	
BOW-BGWC-18	WG	G					6			X	X	X	X	
BOW-BGWC-19	WG	G					6			X	X	X	X	
BOW-BGWC-20	WG	G					6			X	X	X	X	
BOW-BGWC-21	WG	G			8/11/25	1255	6			X	X	X	X	030
BOW-BGWC-22	WG	G					6			X	X	X	X	
BOW-BGWC-23	WG	G			8/11/25	1045	6			X	X	X	X	031
BOW-BGWC-24	WG	G			8/11/25	1120	6			X	X	X	X	032
BOW-BGWC-25	WG	G					6			X	X	X	X	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
Proj. Mgr: Bonnie Vang
Acct Num / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	8/12/25 0916	Ryan Williams / Pace	8/12/25 0916
Ryan Williams / Pace	8/12/25 1435		8/12/25 1435
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Kinsey Ave. Suite 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

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

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc] as applicable. Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	*Appendix III, IV	Sample Comment
BOW-BGWC-30	WG	G					6			X	X	X	X	
BOW-BGWC-31	WG	G			8/8/25	1234	6			X	X	X	X	033
BOW-BGWC-32	WG	G					6			X	X	X	X	
BOW-BGWC-34D	WG	G					6			X	X	X	X	
BOW-BGWC-35D	WG	G			8/11/25	1452	6			X	X	X	X	
BOW-BGWC-36D	WG	G					6			X	X	X	X	034
BOW-BGWC-38D	WG	G					6			X	X	X	X	
BOW-BGWC-40	WG	G			8/8/25	1155	6			X	X	X	X	
BOW-BGWC-43D	WG	G					6			X	X	X	X	035
BOW-BGWC-49D	WG	G					6			X	X	X	X	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/12/25 0916	Ryan W.Ll. an / Pace	8/12/25 0916	
Ryan W.Ll. an / Pace	8/12/25 1435		8/12/25 1435	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoicas@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Specify Container Size **: 1 | 2 | 3 | 3

Identify Container Preservative Type***: 2 | 1 | 1 | 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCL (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-, SO4 2-, Cl-	*Appendix III, IV	Sample Comment
BOW-BGWC-50D	WG	G					6			X	X	X	X	
BOW-BGWC-51	WG	G					6			X	X	X	X	
BOW-BGWC-52	WG	G			8/11/25	1540	6			X	X	X	X	036
BOW-BGWC-53D	WG	G			8/8/25	1222	6			X	X	X	X	037
BOW-PZ-7	WG	G			8/11/25	1405	6			X	X	X	X	038
BOW-AP1-FD-03	WG	G			8/8/25	—	6			X	X	X	X	039
BOW-AP1-FD-04	WG	G			8/11/25	—	6			X	X	X	X	040
BOW-AP1-FB-03	WQ	G			8/8/25	1310	6			X	X	X	X	041
BOW-AP1-FB-04	WQ	G			8/11/25	1513	6			X	X	X	X	042
BOW-AP1-EB-03	WQ	G			8/8/25	1320	6			X	X	X	X	043

Lab Use Only: Proj. Mgr.: Bonnie Wang; AcctNum / Client ID.; Table #.; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:

Task Code: BOW CCR-ASSMT 2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/12/25 0916	Pace	8/12/25 0916	
Relinquished by/Company: (Signature) Pace	8/12/25 1435	Received by/Company: (Signature)	8/12/25 1435	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Kinsey Ave, Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 50mL (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-, SO4 2-, Cl-	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-AP1-EB-04	WQ	G			8/11/25	1519	6			X	X	X	X	044	
	WG	G					6								
	WG	G					6								
	WQ	G					6								
		G					6								
		G					6								
		G					6								
		G					6								

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo,
Printed Name: Shannon Northern
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/12/25 0916	Ryan Willm / Pace	8/16/25 0916	
Ryan Willm / Pace	8/12/25 1435		1435	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/15/25 tar

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810483

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 9flmL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-,SO4-2, Cl-	*Appendix III, IV	Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:	Lab Use Only: Table #:	Lab Use Only: Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G					6			X	X	X	X					
BOW-BGWA-29	WG	G			8/12/25	1426	6			X	X	X	X				045	
BOW-BGWA-47D	WG	G					6			X	X	X	X					
BOW-BGWA-48D	WG	G					6			X	X	X	X					
BOW-BGWC-7	WG	G					6			X	X	X	X					
BOW-BGWC-8	WG	G					6			X	X	X	X					
BOW-BGWC-9	WG	G					6			X	X	X	X					
BOW-BGWC-10	WG	G					6			X	X	X	X					
BOW-BGWC-12	WG	G					6			X	X	X	X					
BOW-BGWC-14A	WG	G					6			X	X	X	X					

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/15/25 1509		8/15/25 1509	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoke E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (If applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3279253

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4, Cl	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G					6			X	X	X	X		
BOW-BGWC-31	WG	G					6			X	X	X	X		
BOW-BGWC-32	WG	G			8/12/25	1059	6			X	X	X	X	046	
BOW-BGWC-34D	WG	G					6			X	X	X	X		
BOW-BGWC-35D	WG	G					6			X	X	X	X		
BOW-BGWC-36D	WG	G					6			X	X	X	X		
BOW-BGWC-38D	WG	G					6			X	X	X	X		
BOW-BGWC-40	WG	G					6			X	X	X	X		
BOW-BGWC-43D	WG	G					6			X	X	X	X		
BOW-BGWC-49D	WG	G					6			X	X	X	X		

Additional Instructions from Pace® :
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo,
Printed Name: Shannon Northen
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/15/25 1509		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 8/15/25 1509
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
3800 Rinkey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

** Container Size: (1) 1L, (2) 500ml, (3) 250ml, (4) 125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90ml, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl^-	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-50D	WG	G					6			X	X	X	X		
BOW-BGWC-51	WG	G			8/13/25	1219	6			X	X	X	X	047	
BOW-BGWC-52	WG	G					6			X	X	X	X		
BOW-BGWC-53D	WG	G					6			X	X	X	X		
BOW-PZ-7	WG	G					6			X	X	X	X		
BOW-AP1-FD-	WG	G					6			X	X	X	X		
BOW-AP1-FD-	WG	G					6			X	X	X	X		
BOW-AP1-FB-	WQ	G					6			X	X	X	X		
BOW-AP1-FB-	WQ	G					6			X	X	X	X		
BOW-AP1-EB-	WQ	G					6			X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/15/25 1509		8/15/25 1509	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 11, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 01, 2025 and August 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Huntersville, NC 28078
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SAMPLE SUMMARY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810485001	**BOW-BGWA-47D**	Water	07/31/25 11:25	08/01/25 11:06
92810485002	**BOW-BGWA-48D**	Water	07/31/25 13:50	08/01/25 11:06
92810485003	**BOW-BGWC-8**	Water	07/31/25 16:10	08/01/25 11:06
92810485004	**BOW-BGWC-50D**	Water	07/31/25 15:10	08/01/25 11:06
92810485005	**BOW-AP1-FD-01**	Water	07/31/25 00:00	08/01/25 11:06
92810485006	**BOW-AP1-FB-01**	Water	07/31/25 16:20	08/01/25 11:06
92810485007	**BOW-AP1-EB-01**	Water	07/31/25 16:30	08/01/25 11:06
92810485008	**BOW-BGWC-9**	Water	08/04/25 11:45	08/05/25 15:07
92810485009	**BOW-BGWC-12**	Water	08/04/25 13:30	08/05/25 15:07
92810485010	**BOW-BGWC-14A**	Water	08/04/25 15:25	08/05/25 15:07
92810485011	**BOW-BGWA-2**	Water	08/05/25 14:10	08/08/25 10:28
92810485012	**BOW-BGWC-7**	Water	08/05/25 10:38	08/08/25 10:28
92810485013	**BOW-BGWC-10**	Water	08/05/25 11:53	08/08/25 10:28
92810485014	**BOW-BGWC-16**	Water	08/05/25 11:30	08/08/25 10:28
92810485015	**BOW-BGWC-17**	Water	08/05/25 13:15	08/08/25 10:28
92810485016	**BOW-BGWC-18**	Water	08/05/25 14:50	08/08/25 10:28
92810485017	**BOW-BGWC-19**	Water	08/06/25 14:58	08/08/25 10:28
92810485018	**BOW-BGWC-20**	Water	08/07/25 13:11	08/08/25 10:28
92810485019	**BOW-BGWC-22**	Water	08/07/25 14:40	08/08/25 10:28
92810485020	**BOW-BGWC-25**	Water	08/07/25 15:43	08/08/25 10:28
92810485021	**BOW-BGWC-30**	Water	08/05/25 14:12	08/08/25 10:28
92810485022	**BOW-BGWC-34D**	Water	08/07/25 16:50	08/08/25 10:28
92810485023	**BOW-BGWC-36D**	Water	08/07/25 12:46	08/08/25 10:28
92810485024	**BOW-BGWC-38D**	Water	08/06/25 15:57	08/08/25 10:28
92810485025	**BOW-BGWC-43D**	Water	08/07/25 10:53	08/08/25 10:28
92810485026	**BOW-BGWC-49D**	Water	08/06/25 13:27	08/08/25 10:28
92810485027	**BOW-AP1-FD-02**	Water	08/05/25 00:00	08/08/25 10:28
92810485028	**BOW-AP1-FB-02**	Water	08/05/25 15:55	08/08/25 10:28
92810485029	**BOW-AP1-EB-02**	Water	08/05/25 16:10	08/08/25 10:28
92810485030	**BOW-BGWC-21**	Water	08/11/25 12:55	08/12/25 14:35
92810485031	**BOW-BGWC-23**	Water	08/11/25 10:45	08/12/25 14:35
92810485032	**BOW-BGWC-24**	Water	08/11/25 11:20	08/12/25 14:35
92810485033	**BOW-BGWC-31**	Water	08/08/25 12:34	08/12/25 14:35
92810485034	**BOW-BGWC-35D**	Water	08/11/25 14:52	08/12/25 14:35
92810485035	**BOW-BGWC-40**	Water	08/08/25 11:55	08/12/25 14:35
92810485036	**BOW-BGWC-52**	Water	08/11/25 15:40	08/12/25 14:35
92810485037	**BOW-BGWC-53D**	Water	08/08/25 12:22	08/12/25 14:35

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810485038	**BOW-PZ-7**	Water	08/11/25 14:05	08/12/25 14:35
92810485039	**BOW-AP1-FD-03**	Water	08/08/25 00:00	08/12/25 14:35
92810485040	**BOW-AP1-FD-04**	Water	08/11/25 00:00	08/12/25 14:35
92810485041	**BOW-AP1-FB-03**	Water	08/08/25 13:10	08/12/25 14:35
92810485042	**BOW-AP1-FB-04**	Water	08/11/25 15:13	08/12/25 14:35
92810485043	**BOW-AP1-EB-03**	Water	08/08/25 13:20	08/12/25 14:35
92810485044	**BOW-AP1-EB-04**	Water	08/11/25 15:19	08/12/25 14:35
92810485045	**BOW-BGWA-29**	Water	08/12/25 14:26	08/15/25 15:09
92810485046	**BOW-BGWC-32**	Water	08/12/25 10:59	08/15/25 15:09
92810485047	**BOW-BGWC-51**	Water	08/13/25 12:19	08/15/25 15:09

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810485001	**BOW-BGWA-47D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485002	**BOW-BGWA-48D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485003	**BOW-BGWC-8**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485004	**BOW-BGWC-50D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485005	**BOW-AP1-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485006	**BOW-AP1-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485007	**BOW-AP1-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485008	**BOW-BGWC-9**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485009	**BOW-BGWC-12**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485010	**BOW-BGWC-14A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485011	**BOW-BGWA-2**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485012	**BOW-BGWC-7**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485013	**BOW-BGWC-10**	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485014	**BOW-BGWC-16**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485015	**BOW-BGWC-17**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485016	**BOW-BGWC-18**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485017	**BOW-BGWC-19**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485018	**BOW-BGWC-20**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485019	**BOW-BGWC-22**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485020	**BOW-BGWC-25**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485021	**BOW-BGWC-30**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485022	**BOW-BGWC-34D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485023	**BOW-BGWC-36D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485024	**BOW-BGWC-38D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485025	**BOW-BGWC-43D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA

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9800 Kincey Ave. Suite 100
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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
92810485026	**BOW-BGWC-49D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485027	**BOW-AP1-FD-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485028	**BOW-AP1-FB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92810485029	**BOW-AP1-EB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92810485030	**BOW-BGWC-21**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485031	**BOW-BGWC-23**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485032	**BOW-BGWC-24**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485033	**BOW-BGWC-31**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485034	**BOW-BGWC-35D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485035	**BOW-BGWC-40**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485036	**BOW-BGWC-52**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485037	**BOW-BGWC-53D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810485038	**BOW-PZ-7**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485039	**BOW-AP1-FD-03**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485040	**BOW-AP1-FD-04**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485041	**BOW-AP1-FB-03**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485042	**BOW-AP1-FB-04**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485043	**BOW-AP1-EB-03**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485044	**BOW-AP1-EB-04**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485045	**BOW-BGWA-29**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485046	**BOW-BGWC-32**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92810485047	**BOW-BGWC-51**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485001	**BOW-BGWA-47D**					
EPA 9315	Radium-226	0.272 ± 0.157 (0.256) C:80% T:NA	pCi/L		08/25/25 08:15	
EPA 9320	Radium-228	0.651U ± 0.414 (0.774) C:82% T:76%	pCi/L		08/25/25 11:59	
Total Radium Calculation	Total Radium	0.923U ± 0.571 (1.03)	pCi/L		08/25/25 15:28	
92810485002	**BOW-BGWA-48D**					
EPA 9315	Radium-226	0.289 ± 0.153 (0.244) C:89% T:NA	pCi/L		08/25/25 08:15	
EPA 9320	Radium-228	0.447U ± 0.449 (0.934) C:71% T:93%	pCi/L		08/21/25 12:14	
Total Radium Calculation	Total Radium	0.736U ± 0.602 (1.18)	pCi/L		08/25/25 15:28	
92810485003	**BOW-BGWC-8**					
EPA 9315	Radium-226	0.166U ± 0.141 (0.275) C:90% T:NA	pCi/L		08/25/25 08:16	
EPA 9320	Radium-228	0.495U ± 0.468 (0.962) C:71% T:88%	pCi/L		08/21/25 12:14	
Total Radium Calculation	Total Radium	0.661U ± 0.609 (1.24)	pCi/L		08/25/25 15:28	
92810485004	**BOW-BGWC-50D**					
EPA 9315	Radium-226	0.387 ± 0.161 (0.206) C:90% T:NA	pCi/L		08/25/25 08:16	
EPA 9320	Radium-228	0.719U ± 0.471 (0.907) C:77% T:91%	pCi/L		08/21/25 12:14	
Total Radium Calculation	Total Radium	1.11U ± 0.632 (1.11)	pCi/L		08/25/25 15:28	

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Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485005	**BOW-AP1-FD-01**					
EPA 9315	Radium-226	0.164U ± 0.148 (0.289) C:68% T:NA	pCi/L		08/25/25 08:16	
EPA 9320	Radium-228	0.208U ± 0.319 (0.689) C:78% T:91%	pCi/L		08/21/25 15:30	
Total Radium Calculation	Total Radium	0.372U ± 0.467 (0.978)	pCi/L		08/25/25 15:28	
92810485006	**BOW-AP1-FB-01**					
EPA 9315	Radium-226	-0.107U ± 0.0564 (0.249) C:84% T:NA	pCi/L		08/25/25 08:16	
EPA 9320	Radium-228	0.00559U ± 0.286 (0.670) C:71% T:100%	pCi/L		08/21/25 15:28	
Total Radium Calculation	Total Radium	0.00559U ± 0.342 (0.919)	pCi/L		08/25/25 15:28	
92810485007	**BOW-AP1-EB-01**					
EPA 9315	Radium-226	-0.0203U ± 0.108 (0.290) C:80% T:NA	pCi/L		08/25/25 08:16	
EPA 9320	Radium-228	0.574U ± 0.385 (0.722) C:66% T:94%	pCi/L		08/21/25 15:29	
Total Radium Calculation	Total Radium	0.574U ± 0.493 (1.01)	pCi/L		08/25/25 15:28	
92810485008	**BOW-BGWC-9**					
EPA 9315	Radium-226	0.167U ± 0.120 (0.210) C:83% T:NA	pCi/L		09/09/25 13:19	
EPA 9320	Radium-228	0.488U ± 0.485 (0.995) C:62% T:79%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	0.655U ± 0.605 (1.21)	pCi/L		09/10/25 14:25	

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Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485009	**BOW-BGWC-12**					
EPA 9315	Radium-226	0.0719U ± 0.0901 (0.190) C:88% T:NA	pCi/L		09/09/25 12:17	
EPA 9320	Radium-228	1.24U ± 0.830 (1.59) C:47% T:71%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	1.31U ± 0.920 (1.78)	pCi/L		09/10/25 14:25	
92810485010	**BOW-BGWC-14A**					
EPA 9315	Radium-226	0.0668U ± 0.0976 (0.213) C:84% T:NA	pCi/L		09/09/25 13:18	
EPA 9320	Radium-228	0.405U ± 0.376 (0.759) C:70% T:88%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	0.472U ± 0.474 (0.972)	pCi/L		09/10/25 14:25	
92810485011	**BOW-BGWA-2**					
EPA 9315	Radium-226	0.221 ± 0.132 (0.189) C:82% T:NA	pCi/L		09/09/25 13:25	
EPA 9320	Radium-228	0.320U ± 0.382 (0.804) C:69% T:90%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	0.541U ± 0.514 (0.993)	pCi/L		09/10/25 14:25	
92810485012	**BOW-BGWC-7**					
EPA 9315	Radium-226	0.463 ± 0.188 (0.248) C:82% T:NA	pCi/L		09/10/25 08:11	
EPA 9320	Radium-228	0.599U ± 0.534 (1.09) C:63% T:85%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	1.06U ± 0.722 (1.34)	pCi/L		09/10/25 14:25	

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Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485013	**BOW-BGWC-10**					
EPA 9315	Radium-226	0.626 ± 0.233 (0.294) C:76% T:NA	pCi/L		09/10/25 08:11	
EPA 9320	Radium-228	0.454U ± 0.467 (0.966) C:68% T:92%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	1.08U ± 0.700 (1.26)	pCi/L		09/10/25 14:25	
92810485014	**BOW-BGWC-16**					
EPA 9315	Radium-226	0.139U ± 0.124 (0.244) C:86% T:NA	pCi/L		09/10/25 08:12	
EPA 9320	Radium-228	0.168U ± 0.356 (0.788) C:74% T:93%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	0.307U ± 0.480 (1.03)	pCi/L		09/10/25 14:25	
92810485015	**BOW-BGWC-17**					
EPA 9315	Radium-226	0.161U ± 0.131 (0.241) C:79% T:NA	pCi/L		09/10/25 09:27	
EPA 9320	Radium-228	0.839U ± 0.500 (0.921) C:63% T:85%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	1.000U ± 0.631 (1.16)	pCi/L		09/10/25 14:25	
92810485016	**BOW-BGWC-18**					
EPA 9315	Radium-226	0.337 ± 0.176 (0.281) C:79% T:NA	pCi/L		09/10/25 07:54	
EPA 9320	Radium-228	0.360U ± 0.433 (0.914) C:65% T:88%	pCi/L		08/21/25 14:54	
Total Radium Calculation	Total Radium	0.697U ± 0.609 (1.20)	pCi/L		09/10/25 14:25	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485017	**BOW-BGWC-19**					
EPA 9315	Radium-226	0.0730U ± 0.147 (0.340) C:63% T:NA	pCi/L		09/10/25 07:55	
EPA 9320	Radium-228	0.242U ± 0.410 (0.893) C:64% T:92%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	0.315U ± 0.557 (1.23)	pCi/L		09/10/25 14:25	
92810485018	**BOW-BGWC-20**					
EPA 9315	Radium-226	0.418 ± 0.181 (0.265) C:86% T:NA	pCi/L		09/10/25 07:56	
EPA 9320	Radium-228	0.528U ± 0.498 (1.02) C:62% T:88%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	0.946U ± 0.679 (1.29)	pCi/L		09/10/25 14:25	
92810485019	**BOW-BGWC-22**					
EPA 9315	Radium-226	0.854 ± 0.286 (0.333) C:65% T:NA	pCi/L		09/10/25 07:56	
EPA 9320	Radium-228	0.930 ± 0.504 (0.896) C:62% T:90%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	1.78 ± 0.790 (1.23)	pCi/L		09/10/25 14:25	
92810485020	**BOW-BGWC-25**					
EPA 9315	Radium-226	0.0922U ± 0.127 (0.277) C:71% T:NA	pCi/L		09/10/25 09:28	
EPA 9320	Radium-228	0.286U ± 0.430 (0.926) C:62% T:87%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	0.378U ± 0.557 (1.20)	pCi/L		09/10/25 14:25	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485021	**BOW-BGWC-30**					
EPA 9315	Radium-226	0.230 ± 0.136 (0.224) C:92% T:NA	pCi/L		09/10/25 09:28	
EPA 9320	Radium-228	0.256U ± 0.350 (0.748) C:75% T:88%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	0.486U ± 0.486 (0.972)	pCi/L		09/10/25 14:25	
92810485022	**BOW-BGWC-34D**					
EPA 9315	Radium-226	1.75 ± 0.403 (0.236) C:77% T:NA	pCi/L		09/10/25 09:28	
EPA 9320	Radium-228	0.806U ± 0.506 (0.950) C:63% T:90%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	2.56 ± 0.909 (1.19)	pCi/L		09/10/25 14:25	
92810485023	**BOW-BGWC-36D**					
EPA 9315	Radium-226	0.309 ± 0.180 (0.289) C:66% T:NA	pCi/L		09/10/25 09:28	
EPA 9320	Radium-228	1.19U ± 0.804 (1.56) C:52% T:83%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	1.50U ± 0.984 (1.85)	pCi/L		09/10/25 14:25	
92810485024	**BOW-BGWC-38D**					
EPA 9315	Radium-226	1.63 ± 0.387 (0.267) C:82% T:NA	pCi/L		09/10/25 09:28	
EPA 9320	Radium-228	2.15 ± 0.684 (0.864) C:66% T:86%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	3.78 ± 1.07 (1.13)	pCi/L		09/10/25 14:25	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485025	**BOW-BGWC-43D**					
EPA 9315	Radium-226	0.618 ± 0.217 (0.272) C:83% T:NA	pCi/L		09/10/25 09:30	
EPA 9320	Radium-228	1.08 ± 0.472 (0.766) C:71% T:96%	pCi/L		08/21/25 14:55	
Total Radium Calculation	Total Radium	1.70 ± 0.689 (1.04)	pCi/L		09/10/25 14:25	
92810485026	**BOW-BGWC-49D**					
EPA 9315	Radium-226	0.747 ± 0.242 (0.272) C:83% T:NA	pCi/L		09/10/25 09:30	
EPA 9320	Radium-228	1.11 ± 0.481 (0.762) C:67% T:88%	pCi/L		08/21/25 14:56	
Total Radium Calculation	Total Radium	1.86 ± 0.723 (1.03)	pCi/L		09/10/25 14:25	
92810485027	**BOW-AP1-FD-02**					
EPA 9315	Radium-226	0.462 ± 0.180 (0.224) C:90% T:NA	pCi/L		09/10/25 09:29	
EPA 9320	Radium-228	0.109U ± 0.397 (0.898) C:67% T:86%	pCi/L		08/21/25 14:56	
Total Radium Calculation	Total Radium	0.571U ± 0.577 (1.12)	pCi/L		09/10/25 14:25	
92810485028	**BOW-AP1-FB-02**					
EPA 9315	Radium-226	0.0552U ± 0.263 (0.643) C:83% T:NA	pCi/L		08/27/25 08:11	
EPA 9320	Radium-228	0.213U ± 0.361 (0.787) C:75% T:93%	pCi/L		08/22/25 14:39	
Total Radium Calculation	Total Radium	0.268U ± 0.624 (1.43)	pCi/L		08/27/25 15:40	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485029	**BOW-AP1-EB-02**					
EPA 9315	Radium-226	-0.0629U ± 0.212 (0.590) C:75% T:NA	pCi/L		08/27/25 08:13	
EPA 9320	Radium-228	0.180U ± 0.520 (1.17) C:55% T:89%	pCi/L		08/22/25 14:39	
Total Radium Calculation	Total Radium	0.180U ± 0.732 (1.76)	pCi/L		08/27/25 15:40	
92810485030	**BOW-BGWC-21**					
EPA 9315	Radium-226	0.0453U ± 0.0899 (0.208) C:87% T:NA	pCi/L		09/09/25 11:54	
EPA 9320	Radium-228	0.535U ± 0.396 (0.769) C:66% T:96%	pCi/L		08/28/25 14:58	
Total Radium Calculation	Total Radium	0.580U ± 0.486 (0.977)	pCi/L		09/10/25 12:01	
92810485031	**BOW-BGWC-23**					
EPA 9315	Radium-226	0.116U ± 0.128 (0.259) C:65% T:NA	pCi/L		09/09/25 11:54	
EPA 9320	Radium-228	0.314U ± 0.437 (0.934) C:65% T:75%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	0.430U ± 0.565 (1.19)	pCi/L		09/10/25 12:01	
92810485032	**BOW-BGWC-24**					
EPA 9315	Radium-226	0.231 ± 0.135 (0.212) C:90% T:NA	pCi/L		09/09/25 11:39	
EPA 9320	Radium-228	0.438U ± 0.422 (0.865) C:65% T:88%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	0.669U ± 0.557 (1.08)	pCi/L		09/10/25 12:01	

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Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485033	**BOW-BGWC-31**					
EPA 9315	Radium-226	0.561 ± 0.194 (0.202) C:88% T:NA	pCi/L		09/09/25 10:46	
EPA 9320	Radium-228	0.791U ± 0.450 (0.804) C:66% T:88%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	1.35 ± 0.644 (1.01)	pCi/L		09/10/25 12:01	
92810485034	**BOW-BGWC-35D**					
EPA 9315	Radium-226	1.10 ± 0.295 (0.222) C:87% T:NA	pCi/L		09/09/25 11:37	
EPA 9320	Radium-228	0.979 ± 0.460 (0.768) C:69% T:94%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	2.08 ± 0.755 (0.990)	pCi/L		09/10/25 12:01	
92810485035	**BOW-BGWC-40**					
EPA 9315	Radium-226	0.127U ± 0.110 (0.196) C:84% T:NA	pCi/L		09/09/25 11:54	
EPA 9320	Radium-228	0.363U ± 0.471 (1.00) C:61% T:89%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	0.490U ± 0.581 (1.20)	pCi/L		09/10/25 12:01	
92810485036	**BOW-BGWC-52**					
EPA 9315	Radium-226	-0.00343U ± 0.0854 (0.232) C:87% T:NA	pCi/L		09/09/25 13:17	
EPA 9320	Radium-228	1.15 ± 0.471 (0.732) C:74% T:89%	pCi/L		08/28/25 14:59	
Total Radium Calculation	Total Radium	1.15 ± 0.556 (0.964)	pCi/L		09/10/25 12:01	

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Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485037	**BOW-BGWC-53D**					
EPA 9315	Radium-226	0.294 ± 0.146 (0.206) C:90% T:NA	pCi/L		09/09/25 13:17	
EPA 9320	Radium-228	0.639U ± 0.424 (0.791) C:61% T:92%	pCi/L		08/28/25 15:00	
Total Radium Calculation	Total Radium	0.933U ± 0.570 (0.997)	pCi/L		09/10/25 12:01	
92810485038	**BOW-PZ-7**					
EPA 9315	Radium-226	0.118U ± 0.112 (0.215) C:87% T:NA	pCi/L		09/09/25 13:17	
EPA 9320	Radium-228	0.490U ± 0.405 (0.808) C:73% T:90%	pCi/L		08/28/25 15:00	
Total Radium Calculation	Total Radium	0.608U ± 0.517 (1.02)	pCi/L		09/10/25 12:01	
92810485039	**BOW-AP1-FD-03**					
EPA 9315	Radium-226	0.491 ± 0.194 (0.239) C:87% T:NA	pCi/L		09/09/25 14:00	
EPA 9320	Radium-228	0.445U ± 0.402 (0.815) C:73% T:86%	pCi/L		08/28/25 15:00	
Total Radium Calculation	Total Radium	0.936U ± 0.596 (1.05)	pCi/L		09/10/25 12:01	
92810485040	**BOW-AP1-FD-04**					
EPA 9315	Radium-226	0.123U ± 0.123 (0.247) C:86% T:NA	pCi/L		09/09/25 13:18	
EPA 9320	Radium-228	0.0747U ± 0.342 (0.779) C:73% T:91%	pCi/L		08/28/25 15:00	
Total Radium Calculation	Total Radium	0.198U ± 0.465 (1.03)	pCi/L		09/10/25 12:01	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485041	**BOW-AP1-FB-03**					
EPA 9315	Radium-226	0.0352U ± 0.0843 (0.201) C:89% T:NA	pCi/L		09/09/25 13:18	
EPA 9320	Radium-228	0.0390U ± 0.372 (0.859) C:62% T:92%	pCi/L		08/28/25 15:00	
Total Radium Calculation	Total Radium	0.0742U ± 0.456 (1.06)	pCi/L		09/10/25 12:01	
92810485042	**BOW-AP1-FB-04**					
EPA 9315	Radium-226	0.0238U ± 0.194 (0.503) C:90% T:NA	pCi/L		09/04/25 10:01	
EPA 9320	Radium-228	0.112U ± 0.501 (1.14) C:75% T:88%	pCi/L		09/09/25 19:23	
Total Radium Calculation	Total Radium	0.136U ± 0.695 (1.64)	pCi/L		09/10/25 17:06	
92810485043	**BOW-AP1-EB-03**					
EPA 9315	Radium-226	-0.0524U ± 0.221 (0.613) C:88% T:NA	pCi/L		09/04/25 10:01	
EPA 9320	Radium-228	0.119U ± 0.538 (1.23) C:71% T:84%	pCi/L		09/09/25 19:23	
Total Radium Calculation	Total Radium	0.119U ± 0.759 (1.84)	pCi/L		09/10/25 17:06	
92810485044	**BOW-AP1-EB-04**					
EPA 9315	Radium-226	-0.0870U ± 0.171 (0.535) C:88% T:NA	pCi/L		09/04/25 09:59	
EPA 9320	Radium-228	0.290U ± 0.371 (0.789) C:88% T:86%	pCi/L		09/09/25 16:18	
Total Radium Calculation	Total Radium	0.290U ± 0.542 (1.32)	pCi/L		09/10/25 17:06	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810485045	**BOW-BGWA-29**					
EPA 9315	Radium-226	0.0140U ± 0.201 (0.529) C:91% T:NA	pCi/L		09/04/25 09:59	
EPA 9320	Radium-228	0.231U ± 0.499 (1.10) C:73% T:81%	pCi/L		09/09/25 16:18	
Total Radium Calculation	Total Radium	0.245U ± 0.700 (1.63)	pCi/L		09/10/25 17:06	
92810485046	**BOW-BGWC-32**					
EPA 9315	Radium-226	0.432U ± 0.338 (0.642) C:90% T:NA	pCi/L		09/04/25 09:59	
EPA 9320	Radium-228	0.534U ± 0.439 (0.871) C:68% T:88%	pCi/L		09/09/25 16:17	
Total Radium Calculation	Total Radium	0.966U ± 0.777 (1.51)	pCi/L		09/10/25 17:06	
92810485047	**BOW-BGWC-51**					
EPA 9315	Radium-226	0.248U ± 0.341 (0.742) C:71% T:NA	pCi/L		09/04/25 09:59	
EPA 9320	Radium-228	0.333U ± 0.320 (0.649) C:75% T:97%	pCi/L		09/09/25 16:18	
Total Radium Calculation	Total Radium	0.581U ± 0.661 (1.39)	pCi/L		09/10/25 17:06	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWA-47D **Lab ID: 92810485001** Collected: 07/31/25 11:25 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.272 ± 0.157 (0.256) C:80% T:NA**	pCi/L	08/25/25 08:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.651U ± 0.414 (0.774) C:82% T:76%**	pCi/L	08/25/25 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.923U ± 0.571 (1.03)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWA-48D **Lab ID: 92810485002** Collected: 07/31/25 13:50 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.289 ± 0.153 (0.244) C:89% T:NA**	pCi/L	08/25/25 08:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.447U ± 0.449 (0.934) C:71% T:93%**	pCi/L	08/21/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.736U ± 0.602 (1.18)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-8 **Lab ID: 92810485003** Collected: 07/31/25 16:10 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.166U ± 0.141 (0.275) C:90% T:NA**	pCi/L	08/25/25 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.495U ± 0.468 (0.962) C:71% T:88%**	pCi/L	08/21/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.661U ± 0.609 (1.24)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-50D **Lab ID: 92810485004** Collected: 07/31/25 15:10 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.387 ± 0.161 (0.206) C:90% T:NA**	pCi/L	08/25/25 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.719U ± 0.471 (0.907) C:77% T:91%**	pCi/L	08/21/25 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.11U ± 0.632 (1.11)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FD-01 **Lab ID: 92810485005** Collected: 07/31/25 00:00 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.164U ± 0.148 (0.289) C:68% T:NA**	pCi/L	08/25/25 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.208U ± 0.319 (0.689) C:78% T:91%**	pCi/L	08/21/25 15:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.372U ± 0.467 (0.978)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FB-01 **Lab ID: 92810485006** Collected: 07/31/25 16:20 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.107U ± 0.0564 (0.249) C:84% T:NA**	pCi/L	08/25/25 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.00559U ± 0.286 (0.670) C:71% T:100%**	pCi/L	08/21/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.00559U ± 0.342 (0.919)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-EB-01 **Lab ID: 92810485007** Collected: 07/31/25 16:30 Received: 08/01/25 11:06 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0203U ± 0.108 (0.290) C:80% T:NA**	pCi/L	08/25/25 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.574U ± 0.385 (0.722) C:66% T:94%**	pCi/L	08/21/25 15:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.574U ± 0.493 (1.01)**	pCi/L	08/25/25 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-9 **Lab ID: 92810485008** Collected: 08/04/25 11:45 Received: 08/05/25 15:07 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.167U ± 0.120 (0.210) C:83% T:NA**	pCi/L	09/09/25 13:19	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.488U ± 0.485 (0.995) C:62% T:79%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.655U ± 0.605 (1.21)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-12 **Lab ID: 92810485009** Collected: 08/04/25 13:30 Received: 08/05/25 15:07 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0719U ± 0.0901 (0.190) C:88% T:NA**	pCi/L	09/09/25 12:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.24U ± 0.830 (1.59) C:47% T:71%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.31U ± 0.920 (1.78)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-14A **Lab ID: 92810485010** Collected: 08/04/25 15:25 Received: 08/05/25 15:07 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0668U ± 0.0976 (0.213) C:84% T:NA**	pCi/L	09/09/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.405U ± 0.376 (0.759) C:70% T:88%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.472U ± 0.474 (0.972)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWA-2 **Lab ID: 92810485011** Collected: 08/05/25 14:10 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.221 ± 0.132 (0.189) C:82% T:NA**	pCi/L	09/09/25 13:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.320U ± 0.382 (0.804) C:69% T:90%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.541U ± 0.514 (0.993)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-7 **Lab ID: 92810485012** Collected: 08/05/25 10:38 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.463 ± 0.188 (0.248) C:82% T:NA**	pCi/L	09/10/25 08:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.599U ± 0.534 (1.09) C:63% T:85%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.06U ± 0.722 (1.34)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-10 **Lab ID: 92810485013** Collected: 08/05/25 11:53 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.626 ± 0.233 (0.294) C:76% T:NA**	pCi/L	09/10/25 08:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.454U ± 0.467 (0.966) C:68% T:92%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08U ± 0.700 (1.26)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-16 **Lab ID: 92810485014** Collected: 08/05/25 11:30 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.139U ± 0.124 (0.244) C:86% T:NA**	pCi/L	09/10/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.168U ± 0.356 (0.788) C:74% T:93%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.307U ± 0.480 (1.03)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-17 **Lab ID: 92810485015** Collected: 08/05/25 13:15 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.161U ± 0.131 (0.241) C:79% T:NA**	pCi/L	09/10/25 09:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.839U ± 0.500 (0.921) C:63% T:85%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.000U ± 0.631 (1.16)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-18 **Lab ID: 92810485016** Collected: 08/05/25 14:50 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.337 ± 0.176 (0.281) C:79% T:NA**	pCi/L	09/10/25 07:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.360U ± 0.433 (0.914) C:65% T:88%**	pCi/L	08/21/25 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.697U ± 0.609 (1.20)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-19 **Lab ID: 92810485017** Collected: 08/06/25 14:58 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0730U ± 0.147 (0.340) C:63% T:NA**	pCi/L	09/10/25 07:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.242U ± 0.410 (0.893) C:64% T:92%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.315U ± 0.557 (1.23)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-20 **Lab ID: 92810485018** Collected: 08/07/25 13:11 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.418 ± 0.181 (0.265) C:86% T:NA**	pCi/L	09/10/25 07:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.528U ± 0.498 (1.02) C:62% T:88%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.946U ± 0.679 (1.29)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-22 **Lab ID: 92810485019** Collected: 08/07/25 14:40 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.854 ± 0.286 (0.333) C:65% T:NA**	pCi/L	09/10/25 07:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.930 ± 0.504 (0.896) C:62% T:90%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.78 ± 0.790 (1.23)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-25 **Lab ID: 92810485020** Collected: 08/07/25 15:43 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0922U ± 0.127 (0.277) C:71% T:NA**	pCi/L	09/10/25 09:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.286U ± 0.430 (0.926) C:62% T:87%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.378U ± 0.557 (1.20)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-30 **Lab ID: 92810485021** Collected: 08/05/25 14:12 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.230 ± 0.136 (0.224) C:92% T:NA**	pCi/L	09/10/25 09:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.256U ± 0.350 (0.748) C:75% T:88%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.486U ± 0.486 (0.972)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-34D **Lab ID: 92810485022** Collected: 08/07/25 16:50 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.75 ± 0.403 (0.236) C:77% T:NA**	pCi/L	09/10/25 09:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.806U ± 0.506 (0.950) C:63% T:90%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.56 ± 0.909 (1.19)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-36D **Lab ID: 92810485023** Collected: 08/07/25 12:46 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.309 ± 0.180 (0.289) C:66% T:NA**	pCi/L	09/10/25 09:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.19U ± 0.804 (1.56) C:52% T:83%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.50U ± 0.984 (1.85)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-38D **Lab ID: 92810485024** Collected: 08/06/25 15:57 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.63 ± 0.387 (0.267) C:82% T:NA**	pCi/L	09/10/25 09:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**2.15 ± 0.684 (0.864) C:66% T:86%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.78 ± 1.07 (1.13)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-43D **Lab ID: 92810485025** Collected: 08/07/25 10:53 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.618 ± 0.217 (0.272) C:83% T:NA**	pCi/L	09/10/25 09:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.08 ± 0.472 (0.766) C:71% T:96%**	pCi/L	08/21/25 14:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.70 ± 0.689 (1.04)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-49D **Lab ID: 92810485026** Collected: 08/06/25 13:27 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.747 ± 0.242 (0.272) C:83% T:NA**	pCi/L	09/10/25 09:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.11 ± 0.481 (0.762) C:67% T:88%**	pCi/L	08/21/25 14:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.86 ± 0.723 (1.03)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FD-02 **Lab ID: 92810485027** Collected: 08/05/25 00:00 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.462 ± 0.180 (0.224) C:90% T:NA**	pCi/L	09/10/25 09:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.109U ± 0.397 (0.898) C:67% T:86%**	pCi/L	08/21/25 14:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.571U ± 0.577 (1.12)**	pCi/L	09/10/25 14:25	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FB-02 **Lab ID: 92810485028** Collected: 08/05/25 15:55 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0552U ± 0.263 (0.643) C:83% T:NA**	pCi/L	08/27/25 08:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.213U ± 0.361 (0.787) C:75% T:93%**	pCi/L	08/22/25 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.268U ± 0.624 (1.43)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-EB-02 **Lab ID: 92810485029** Collected: 08/05/25 16:10 Received: 08/08/25 10:28 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0629U ± 0.212 (0.590) C:75% T:NA**	pCi/L	08/27/25 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.180U ± 0.520 (1.17) C:55% T:89%**	pCi/L	08/22/25 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.180U ± 0.732 (1.76)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-21 **Lab ID: 92810485030** Collected: 08/11/25 12:55 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0453U ± 0.0899 (0.208) C:87% T:NA**	pCi/L	09/09/25 11:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.535U ± 0.396 (0.769) C:66% T:96%**	pCi/L	08/28/25 14:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.580U ± 0.486 (0.977)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-23 **Lab ID: 92810485031** Collected: 08/11/25 10:45 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.116U ± 0.128 (0.259) C:65% T:NA**	pCi/L	09/09/25 11:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.314U ± 0.437 (0.934) C:65% T:75%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.430U ± 0.565 (1.19)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-24 **Lab ID: 92810485032** Collected: 08/11/25 11:20 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.231 ± 0.135 (0.212) C:90% T:NA**	pCi/L	09/09/25 11:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.438U ± 0.422 (0.865) C:65% T:88%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.669U ± 0.557 (1.08)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-31 **Lab ID: 92810485033** Collected: 08/08/25 12:34 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.561 ± 0.194 (0.202) C:88% T:NA**	pCi/L	09/09/25 10:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.791U ± 0.450 (0.804) C:66% T:88%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.35 ± 0.644 (1.01)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-35D **Lab ID: 92810485034** Collected: 08/11/25 14:52 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.10 ± 0.295 (0.222) C:87% T:NA**	pCi/L	09/09/25 11:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.979 ± 0.460 (0.768) C:69% T:94%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.08 ± 0.755 (0.990)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-40 **Lab ID: 92810485035** Collected: 08/08/25 11:55 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.127U ± 0.110 (0.196) C:84% T:NA**	pCi/L	09/09/25 11:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.363U ± 0.471 (1.00) C:61% T:89%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.490U ± 0.581 (1.20)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-52 **Lab ID: 92810485036** Collected: 08/11/25 15:40 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00343U ± 0.0854 (0.232) C:87% T:NA**	pCi/L	09/09/25 13:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.15 ± 0.471 (0.732) C:74% T:89%**	pCi/L	08/28/25 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.15 ± 0.556 (0.964)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-53D **Lab ID: 92810485037** Collected: 08/08/25 12:22 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.294 ± 0.146 (0.206) C:90% T:NA**	pCi/L	09/09/25 13:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.639U ± 0.424 (0.791) C:61% T:92%**	pCi/L	08/28/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.933U ± 0.570 (0.997)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-PZ-7 **Lab ID: 92810485038** Collected: 08/11/25 14:05 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.118U ± 0.112 (0.215) C:87% T:NA**	pCi/L	09/09/25 13:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.490U ± 0.405 (0.808) C:73% T:90%**	pCi/L	08/28/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.608U ± 0.517 (1.02)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FD-03 **Lab ID: 92810485039** Collected: 08/08/25 00:00 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.491 ± 0.194 (0.239) C:87% T:NA**	pCi/L	09/09/25 14:00	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.445U ± 0.402 (0.815) C:73% T:86%**	pCi/L	08/28/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.936U ± 0.596 (1.05)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FD-04 **Lab ID: 92810485040** Collected: 08/11/25 00:00 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.123U ± 0.123 (0.247) C:86% T:NA**	pCi/L	09/09/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0747U ± 0.342 (0.779) C:73% T:91%**	pCi/L	08/28/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.198U ± 0.465 (1.03)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FB-03 **Lab ID: 92810485041** Collected: 08/08/25 13:10 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0352U ± 0.0843 (0.201) C:89% T:NA**	pCi/L	09/09/25 13:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0390U ± 0.372 (0.859) C:62% T:92%**	pCi/L	08/28/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.0742U ± 0.456 (1.06)**	pCi/L	09/10/25 12:01	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-FB-04 **Lab ID: 92810485042** Collected: 08/11/25 15:13 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0238U ± 0.194 (0.503) C:90% T:NA**	pCi/L	09/04/25 10:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.112U ± 0.501 (1.14) C:75% T:88%**	pCi/L	09/09/25 19:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.136U ± 0.695 (1.64)**	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-EB-03 **Lab ID: 92810485043** Collected: 08/08/25 13:20 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0524U ± 0.221 (0.613) C:88% T:NA**	pCi/L	09/04/25 10:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.119U ± 0.538 (1.23) C:71% T:84%**	pCi/L	09/09/25 19:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.119U ± 0.759 (1.84)**	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-AP1-EB-04 **Lab ID: 92810485044** Collected: 08/11/25 15:19 Received: 08/12/25 14:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0870U ± 0.171 (0.535) C:88% T:NA**	pCi/L	09/04/25 09:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.290U ± 0.371 (0.789) C:88% T:86%**	pCi/L	09/09/25 16:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.290U ± 0.542 (1.32)**	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWA-29 **Lab ID: 92810485045** Collected: 08/12/25 14:26 Received: 08/15/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0140U ± 0.201 (0.529) C:91% T:NA**	pCi/L	09/04/25 09:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.231U ± 0.499 (1.10) C:73% T:81%**	pCi/L	09/09/25 16:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.245U ± 0.700 (1.63)**	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-32 **Lab ID: 92810485046** Collected: 08/12/25 10:59 Received: 08/15/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.432U ± 0.338 (0.642) C:90% T:NA**	pCi/L	09/04/25 09:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.534U ± 0.439 (0.871) C:68% T:88%**	pCi/L	09/09/25 16:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.966U ± 0.777 (1.51)**	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Sample: BOW-BGWC-51 **Lab ID: 92810485047** Collected: 08/13/25 12:19 Received: 08/15/25 15:09 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.248U ± 0.341 (0.742) C:71% T:NA**	pCi/L	09/04/25 09:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.333U ± 0.320 (0.649) C:75% T:97%**	pCi/L	09/09/25 16:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.581U ± 0.661 (1.39)**	pCi/L	09/10/25 17:06	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 763670
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485008, 92810485009, 92810485010, 92810485011, 92810485012, 92810485013, 92810485014, 92810485015, 92810485016, 92810485017, 92810485018, 92810485019, 92810485020, 92810485021, 92810485022, 92810485023, 92810485024, 92810485025, 92810485026, 92810485027

METHOD BLANK: 3721829
Matrix: Water
Associated Lab Samples: 92810485008, 92810485009, 92810485010, 92810485011, 92810485012, 92810485013, 92810485014, 92810485015, 92810485016, 92810485017, 92810485018, 92810485019, 92810485020, 92810485021, 92810485022, 92810485023, 92810485024, 92810485025, 92810485026, 92810485027

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.296 ± 0.374 (0.792) C:64% T:90%	pCi/L	08/21/25 14:54	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 764913
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485030, 92810485031, 92810485032, 92810485033, 92810485034, 92810485035, 92810485036, 92810485037, 92810485038, 92810485039, 92810485040, 92810485041

METHOD BLANK: 3728187
Matrix: Water
Associated Lab Samples: 92810485030, 92810485031, 92810485032, 92810485033, 92810485034, 92810485035, 92810485036, 92810485037, 92810485038, 92810485039, 92810485040, 92810485041

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.913 ± 0.387 (0.578) C:74% T:93%	pCi/L	08/28/25 14:58	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 763825
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485028, 92810485029

METHOD BLANK: 3722432 Matrix: Water
Associated Lab Samples: 92810485028, 92810485029

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0834 ± 0.202 (0.480) C:94% T:NA	pCi/L	08/26/25 09:54	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 762110 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485001, 92810485002, 92810485003, 92810485004, 92810485005, 92810485006, 92810485007

METHOD BLANK: 3713627 Matrix: Water
Associated Lab Samples: 92810485001, 92810485002, 92810485003, 92810485004, 92810485005, 92810485006, 92810485007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.566 ± 0.353 (0.660) C:80% T:87%	pCi/L	08/21/25 11:43	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 763994
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485028, 92810485029

METHOD BLANK: 3723177 Matrix: Water
Associated Lab Samples: 92810485028, 92810485029

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.169 ± 0.334 (0.737) C:74% T:89%	pCi/L	08/22/25 14:36	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 763669 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92810485008, 92810485009, 92810485010, 92810485011, 92810485012, 92810485013, 92810485014, 92810485015, 92810485016, 92810485017, 92810485018, 92810485019, 92810485020, 92810485021, 92810485022, 92810485023, 92810485024, 92810485025, 92810485026, 92810485027

METHOD BLANK: 3721828 Matrix: Water

Associated Lab Samples: 92810485008, 92810485009, 92810485010, 92810485011, 92810485012, 92810485013, 92810485014, 92810485015, 92810485016, 92810485017, 92810485018, 92810485019, 92810485020, 92810485021, 92810485022, 92810485023, 92810485024, 92810485025, 92810485026, 92810485027

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000971 ± 0.0703 (0.192) C:90% T:NA	pCi/L	09/09/25 13:26	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 766763 | Analysis Method: EPA 9320
QC Batch Method: EPA 9320 | Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485042, 92810485043, 92810485044, 92810485045, 92810485046, 92810485047

METHOD BLANK: 3737578 Matrix: Water
Associated Lab Samples: 92810485042, 92810485043, 92810485044, 92810485045, 92810485046, 92810485047

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.315 ± 0.480 (1.04) C:65% T:82%	pCi/L	09/09/25 16:15	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 762111 | Analysis Method: EPA 9315
QC Batch Method: EPA 9315 | Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485001, 92810485002, 92810485003, 92810485004, 92810485005, 92810485006, 92810485007

METHOD BLANK: 3713628 Matrix: Water
Associated Lab Samples: 92810485001, 92810485002, 92810485003, 92810485004, 92810485005, 92810485006, 92810485007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0129 ± 0.366 (0.959) C:22% T:NA	pCi/L	08/25/25 08:13	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 766761 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485042, 92810485043, 92810485044, 92810485045, 92810485046, 92810485047

METHOD BLANK: 3737577 Matrix: Water
Associated Lab Samples: 92810485042, 92810485043, 92810485044, 92810485045, 92810485046, 92810485047

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0285 ± 0.328 (0.821) C:83% T:NA	pCi/L	09/04/25 08:32	

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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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

QC Batch: 764912
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92810485030, 92810485031, 92810485032, 92810485033, 92810485034, 92810485035, 92810485036, 92810485037, 92810485038, 92810485039, 92810485040, 92810485041

METHOD BLANK: 3728186
Matrix: Water
Associated Lab Samples: 92810485030, 92810485031, 92810485032, 92810485033, 92810485034, 92810485035, 92810485036, 92810485037, 92810485038, 92810485039, 92810485040, 92810485041

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0156 ± 0.0764 (0.218) C:95% T:NA	pCi/L	09/09/25 11:36	

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.

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QUALIFIERS

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

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.

WORKORDER QUALIFIERS

WO: 92810485

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810485001	**BOW-BGWA-47D**	EPA 9315	762111		
92810485002	**BOW-BGWA-48D**	EPA 9315	762111		
92810485003	**BOW-BGWC-8**	EPA 9315	762111		
92810485004	**BOW-BGWC-50D**	EPA 9315	762111		
92810485005	**BOW-AP1-FD-01**	EPA 9315	762111		
92810485006	**BOW-AP1-FB-01**	EPA 9315	762111		
92810485007	**BOW-AP1-EB-01**	EPA 9315	762111		
92810485008	**BOW-BGWC-9**	EPA 9315	763669		
92810485009	**BOW-BGWC-12**	EPA 9315	763669		
92810485010	**BOW-BGWC-14A**	EPA 9315	763669		
92810485011	**BOW-BGWA-2**	EPA 9315	763669		
92810485012	**BOW-BGWC-7**	EPA 9315	763669		
92810485013	**BOW-BGWC-10**	EPA 9315	763669		
92810485014	**BOW-BGWC-16**	EPA 9315	763669		
92810485015	**BOW-BGWC-17**	EPA 9315	763669		
92810485016	**BOW-BGWC-18**	EPA 9315	763669		
92810485017	**BOW-BGWC-19**	EPA 9315	763669		
92810485018	**BOW-BGWC-20**	EPA 9315	763669		
92810485019	**BOW-BGWC-22**	EPA 9315	763669		
92810485020	**BOW-BGWC-25**	EPA 9315	763669		
92810485021	**BOW-BGWC-30**	EPA 9315	763669		
92810485022	**BOW-BGWC-34D**	EPA 9315	763669		
92810485023	**BOW-BGWC-36D**	EPA 9315	763669		
92810485024	**BOW-BGWC-38D**	EPA 9315	763669		
92810485025	**BOW-BGWC-43D**	EPA 9315	763669		
92810485026	**BOW-BGWC-49D**	EPA 9315	763669		
92810485027	**BOW-AP1-FD-02**	EPA 9315	763669		
92810485028	**BOW-AP1-FB-02**	EPA 9315	763825		
92810485029	**BOW-AP1-EB-02**	EPA 9315	763825		
92810485030	**BOW-BGWC-21**	EPA 9315	764912		
92810485031	**BOW-BGWC-23**	EPA 9315	764912		
92810485032	**BOW-BGWC-24**	EPA 9315	764912		
92810485033	**BOW-BGWC-31**	EPA 9315	764912		
92810485034	**BOW-BGWC-35D**	EPA 9315	764912		
92810485035	**BOW-BGWC-40**	EPA 9315	764912		
92810485036	**BOW-BGWC-52**	EPA 9315	764912		
92810485037	**BOW-BGWC-53D**	EPA 9315	764912		
92810485038	**BOW-PZ-7**	EPA 9315	764912		
92810485039	**BOW-AP1-FD-03**	EPA 9315	764912		
92810485040	**BOW-AP1-FD-04**	EPA 9315	764912		
92810485041	**BOW-AP1-FB-03**	EPA 9315	764912		
92810485042	**BOW-AP1-FB-04**	EPA 9315	766761		
92810485043	**BOW-AP1-EB-03**	EPA 9315	766761		
92810485044	**BOW-AP1-EB-04**	EPA 9315	766761		
92810485045	**BOW-BGWA-29**	EPA 9315	766761		
92810485046	**BOW-BGWC-32**	EPA 9315	766761		
92810485047	**BOW-BGWC-51**	EPA 9315	766761		

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810485001	**BOW-BGWA-47D**	EPA 9320	762110		
92810485002	**BOW-BGWA-48D**	EPA 9320	762110		
92810485003	**BOW-BGWC-8**	EPA 9320	762110		
92810485004	**BOW-BGWC-50D**	EPA 9320	762110		
92810485005	**BOW-AP1-FD-01**	EPA 9320	762110		
92810485006	**BOW-AP1-FB-01**	EPA 9320	762110		
92810485007	**BOW-AP1-EB-01**	EPA 9320	762110		
92810485008	**BOW-BGWC-9**	EPA 9320	763670		
92810485009	**BOW-BGWC-12**	EPA 9320	763670		
92810485010	**BOW-BGWC-14A**	EPA 9320	763670		
92810485011	**BOW-BGWA-2**	EPA 9320	763670		
92810485012	**BOW-BGWC-7**	EPA 9320	763670		
92810485013	**BOW-BGWC-10**	EPA 9320	763670		
92810485014	**BOW-BGWC-16**	EPA 9320	763670		
92810485015	**BOW-BGWC-17**	EPA 9320	763670		
92810485016	**BOW-BGWC-18**	EPA 9320	763670		
92810485017	**BOW-BGWC-19**	EPA 9320	763670		
92810485018	**BOW-BGWC-20**	EPA 9320	763670		
92810485019	**BOW-BGWC-22**	EPA 9320	763670		
92810485020	**BOW-BGWC-25**	EPA 9320	763670		
92810485021	**BOW-BGWC-30**	EPA 9320	763670		
92810485022	**BOW-BGWC-34D**	EPA 9320	763670		
92810485023	**BOW-BGWC-36D**	EPA 9320	763670		
92810485024	**BOW-BGWC-38D**	EPA 9320	763670		
92810485025	**BOW-BGWC-43D**	EPA 9320	763670		
92810485026	**BOW-BGWC-49D**	EPA 9320	763670		
92810485027	**BOW-AP1-FD-02**	EPA 9320	763670		
92810485028	**BOW-AP1-FB-02**	EPA 9320	763994		
92810485029	**BOW-AP1-EB-02**	EPA 9320	763994		
92810485030	**BOW-BGWC-21**	EPA 9320	764913		
92810485031	**BOW-BGWC-23**	EPA 9320	764913		
92810485032	**BOW-BGWC-24**	EPA 9320	764913		
92810485033	**BOW-BGWC-31**	EPA 9320	764913		
92810485034	**BOW-BGWC-35D**	EPA 9320	764913		
92810485035	**BOW-BGWC-40**	EPA 9320	764913		
92810485036	**BOW-BGWC-52**	EPA 9320	764913		
92810485037	**BOW-BGWC-53D**	EPA 9320	764913		
92810485038	**BOW-PZ-7**	EPA 9320	764913		
92810485039	**BOW-AP1-FD-03**	EPA 9320	764913		
92810485040	**BOW-AP1-FD-04**	EPA 9320	764913		
92810485041	**BOW-AP1-FB-03**	EPA 9320	764913		
92810485042	**BOW-AP1-FB-04**	EPA 9320	766763		
92810485043	**BOW-AP1-EB-03**	EPA 9320	766763		
92810485044	**BOW-AP1-EB-04**	EPA 9320	766763		
92810485045	**BOW-BGWA-29**	EPA 9320	766763		
92810485046	**BOW-BGWC-32**	EPA 9320	766763		

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810485047	**BOW-BGWC-51**	EPA 9320	766763		
92810485001	**BOW-BGWA-47D**	Total Radium Calculation	766811		
92810485002	**BOW-BGWA-48D**	Total Radium Calculation	766811		
92810485003	**BOW-BGWC-8**	Total Radium Calculation	766811		
92810485004	**BOW-BGWC-50D**	Total Radium Calculation	766811		
92810485005	**BOW-AP1-FD-01**	Total Radium Calculation	766811		
92810485006	**BOW-AP1-FB-01**	Total Radium Calculation	766811		
92810485007	**BOW-AP1-EB-01**	Total Radium Calculation	766811		
92810485008	**BOW-BGWC-9**	Total Radium Calculation	769951		
92810485009	**BOW-BGWC-12**	Total Radium Calculation	769951		
92810485010	**BOW-BGWC-14A**	Total Radium Calculation	769951		
92810485011	**BOW-BGWA-2**	Total Radium Calculation	769951		
92810485012	**BOW-BGWC-7**	Total Radium Calculation	769951		
92810485013	**BOW-BGWC-10**	Total Radium Calculation	769951		
92810485014	**BOW-BGWC-16**	Total Radium Calculation	769951		
92810485015	**BOW-BGWC-17**	Total Radium Calculation	769951		
92810485016	**BOW-BGWC-18**	Total Radium Calculation	769951		
92810485017	**BOW-BGWC-19**	Total Radium Calculation	769951		
92810485018	**BOW-BGWC-20**	Total Radium Calculation	769951		
92810485019	**BOW-BGWC-22**	Total Radium Calculation	769951		
92810485020	**BOW-BGWC-25**	Total Radium Calculation	769951		
92810485021	**BOW-BGWC-30**	Total Radium Calculation	769951		
92810485022	**BOW-BGWC-34D**	Total Radium Calculation	769951		
92810485023	**BOW-BGWC-36D**	Total Radium Calculation	769951		
92810485024	**BOW-BGWC-38D**	Total Radium Calculation	769951		
92810485025	**BOW-BGWC-43D**	Total Radium Calculation	769951		
92810485026	**BOW-BGWC-49D**	Total Radium Calculation	769951		
92810485027	**BOW-AP1-FD-02**	Total Radium Calculation	769951		
92810485028	**BOW-AP1-FB-02**	Total Radium Calculation	767371		
92810485029	**BOW-AP1-EB-02**	Total Radium Calculation	767371		
92810485030	**BOW-BGWC-21**	Total Radium Calculation	769902		
92810485031	**BOW-BGWC-23**	Total Radium Calculation	769902		
92810485032	**BOW-BGWC-24**	Total Radium Calculation	769902		
92810485033	**BOW-BGWC-31**	Total Radium Calculation	769902		
92810485034	**BOW-BGWC-35D**	Total Radium Calculation	769902		
92810485035	**BOW-BGWC-40**	Total Radium Calculation	769902		
92810485036	**BOW-BGWC-52**	Total Radium Calculation	769902		
92810485037	**BOW-BGWC-53D**	Total Radium Calculation	769902		
92810485038	**BOW-PZ-7**	Total Radium Calculation	769902		
92810485039	**BOW-AP1-FD-03**	Total Radium Calculation	769902		
92810485040	**BOW-AP1-FD-04**	Total Radium Calculation	769902		
92810485041	**BOW-AP1-FB-03**	Total Radium Calculation	769902		
92810485042	**BOW-AP1-FB-04**	Total Radium Calculation	770007		
92810485043	**BOW-AP1-EB-03**	Total Radium Calculation	770007		
92810485044	**BOW-AP1-EB-04**	Total Radium Calculation	770007		
92810485045	**BOW-BGWA-29**	Total Radium Calculation	770007		

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs
Pace Project No.: 92810485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810485046	**BOW-BGWC-32**	Total Radium Calculation	770007		
92810485047	**BOW-BGWC-51**	Total Radium Calculation	770007		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐

Sample Condition Upon Receipt

WO# : 92810485

92810485

Client Name: CA Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/1/25 DW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 217

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.5 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WO				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

WO#: 92810485

PM: BV Due Date: 08/22/25

CLIENT: 92-GP-BOWLF

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

Exceptions: VOA, Coliform, 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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

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)	BP/N	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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
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.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810485

PM: BV Due Date: 08/22/25

CLIENT: 92-GP-BOWLF

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (If applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 | 2 | 3 | 3
Identify Container Preservative Type***: 2 | 1 | 1 | 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	*Appendix III, IV	Sample Comment
BOW-BGWA-2	WG	G					6			X	X	X	X	
BOW-BGWA-29	WG	G					6			X	X	X	X	
BOW-BGWA-47D	WG	G			7/31/25	1125	6			X	X	X	X	001
BOW-BGWA-48D	WG	G			7/31/25	1350	6			X	X	X	X	002
BOW-BGWC-7	WG	G					6			X	X	X	X	
BOW-BGWC-8	WG	G			7/31/25	1610	6			X	X	X	X	003
BOW-BGWC-9	WG	G					6			X	X	X	X	
BOW-BGWC-10	WG	G					6			X	X	X	X	
BOW-BGWC-12	WG	G					6			X	X	X	X	
BOW-BGWC-14A	WG	G					6			X	X	X	X	

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3279253
Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen
Printed Name
Signature
ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/1/25 1036		8/1/25 1036
	8/1/25 1106		8/1/25 1106
	Date/Time:	Received by/Company: (Signature)	Date/Time:
	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State): Pace Analytical Charlotte, 9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810485

PM: BV **Due Date: 08/22/25**

CLIENT: 92-GP-BOWLF

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (If applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 | 2 | 3 | 3

Identify Container Preservative Type***: 2 | 1 | 1 | 2

Analysis Requested

**Container Sizes: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-,SO4-2, Cl	*Appendix III, IV	Sample Comment
BOW-BGWC-50D	WG	G			7/31/25	1510	6			X	X	X	X	W4
BOW-BGWC-51	WG	G					6			X	X	X	X	
BOW-BGWC-52	WG	G					6			X	X	X	X	
BOW-BGWC-53D	WG	G					6			X	X	X	X	
BOW-PZ-7	WG	G					6			X	X	X	X	
BOW-AP1-FD-01	WG	G			7/31/25	—	6			X	X	X	X	W5
BOW-AP1-FD-	WG	G					6			X	X	X	X	
BOW-AP1-FB-01	WQ	G			7/31/25	1620	6			X	X	X	X	W6
BOW-AP1-FB-	WQ	G					6			X	X	X	X	
BOW-AP1-EB-01	WQ	G			7/31/25	1630	6			X	X	X	X	W7

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/1/25 1036		8/1/25 1036	
Relinquished by/Company: (Signature)	Date/Time: 8/1/25 1106	Received by/Company: (Signature)	Date/Time: 8/1/25 1106	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

WO#: 92810485
PM: BV Due Date: 08/22/25
CLIENT: 92-GP-BOWLF

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/5/25 LDF

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 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): 4.8

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Items	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)	BP1N	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 (NH4)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)
CC																														
1		1	1			2	2																							
2		1	1			2	2																							
3		1	1			2	2																							
4																														
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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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
3609 Moony Ave Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810485

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnko, Mintao Liu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: srjunnk@southernco.com
Customer Project #:	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelle Gurgl
Project Name: Bowen AP- 2nd SA	Invoice To: Account Payable
Site Collection Info/Facility ID (as applicable):	Invoice E-mail: georgiapowerinvoices@southernco.com
	Purchase Order # (if applicable): GPC62474-0007
	Quote #
State Where Collected: [ ] AK [ ] FL [ ] MI [ ] CT [X] GT	County / State origin of sample(s): Georgia

Specify Container Size**: 1 2 3

Identify Container Preservative Type***: 2 1 1 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5035, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Data Deliverables:	Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable: [ ] Yes [ ] No
[ ] Level II [ ] Level III [ ] Level IV		
[ ] EQUIS	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other	DW PWSID # or WW Permit # as applicable:
[ ] Other	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
		Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO_4^{2-}, Cl	*Appendix II, IV	Lab Use Only: Proj. Mgr.	Lab Use Only: Acct/Num / Client ID.	Lab Use Only: Table #:	Lab Use Only: Profile / Template.	Lab Use Only: Prelog / Bottle Ord. ID:	Sample Comment	Preservation non-conformance identified for sample
														Bonnie Vang			16507	EZ 3279253		
BOW-BGWA-2	WG	G					6			X	X	X	X							
BOW-BGWA-29	WG	G					6			X	X	X	X							
BOW-BGWA-47D	WG	G					6			X	X	X	X							
BOW-BGWA-48D	WG	G					6			X	X	X	X							
BOW-BGWC-7	WG	G					6			X	X	X	X							
BOW-BGWC-8	WG	G					6			X	X	X	X							
BOW-BGWC-9	WG	G			8/4/25	1145	6			X	X	X	X						008	
BOW-BGWC-10	WG	G					6			X	X	X	X							
BOW-BGWC-12	WG	G			8/4/25	1330	6			X	X	X	X						009	
BOW-BGWC-14A	WG	G			8/4/25	1525	6			X	X	X	X						010	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix II: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected by: William Lauker, Jay Stowell, Natalie Pipitto, Stanton Huffman

Printed Name:

Signature:

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	8/5/25 0853		8/5/25 0953
	8/5/25 1507		8/5/25 1507

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/6/25 ow

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 6.0 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): 6.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WD				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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 Na4Cl (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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
8		1	1		2		2																							
9		1	1		2		2																							
10		1	1		2		2																							
11		1	1		2		2																							
12		1	1		2		2																							

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

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)	BPIN	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 (NH4)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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave, Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810485

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-6008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelle Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@soutnernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-,SO4-, Cl-	*Appendix III, IV	Lab Use Only: Proj. Mgr: Bonnie Vang; Acct Num / Client ID:	Lab Use Only: Table #:	Lab Use Only: Profile / Template: 16507	Lab Use Only: Prelog / Bottle Ord. ID: EZ 3279253	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWA-2	WG	G			8/5/25	1410	6			X	X	X	X					011	
BOW-BGWA-29	WG	G					6			X	X	X	X						
BOW-BGWA-47D	WG	G					6			X	X	X	X						
BOW-BGWA-48D	WG	G					6			X	X	X	X						
BOW-BGWC-7	WG	G			8/5/25	1038	6			X	X	X	X					012	
BOW-BGWC-8	WG	G					6			X	X	X	X						
BOW-BGWC-9	WG	G					6			X	X	X	X						
BOW-BGWC-10	WG	G			8/5/25	1153	6			X	X	X	X					013	
BOW-BGWC-12	WG	G					6			X	X	X	X						
BOW-BGWC-14A	WG	G					6			X	X	X	X						

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Lasker, Jay Stewart, Natalie Piparo, Shannon Northern

Printed Name:

Signature:

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
Ensafe	8/8/25 945		8/8/25 0940	
	8/8/25 1028		8/8/25 1028	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 5

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ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions.

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Junnko, Minlao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnk@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelle Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC824/4-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 1 | 2 | 3 | 3

Identify Container Preservative Type***: 2 | 1 | 1 | 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5gmL, (10) Filter

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F- SO4**, Cl-	*Appendix III, IV	Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:	Table #:	Profile / Template: 16507	Prelog / Bottle Ord. ID: EZ 3279253	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-16	WG	G			8/5/25	1130	6			X	X	X	X					014	
BOW-BGWC-17	WG	G			8/5/25	1315	6			X	X	X	X					015	
BOW-BGWC-18	WG	G			8/5/25	1450	6			X	X	X	X					016	
BOW-BGWC-19	WG	G			8/6/25	1458	6			X	X	X	X					017	
BOW-BGWC-20	WG	G			8/7/25	1311	6			X	X	X	X					018	
BOW-BGWC-21	WG	G					6			X	X	X	X						
BOW-BGWC-22	WG	G			8/7/25	1440	6			X	X	X	X					019	
BOW-BGWC-23	WG	G					6			X	X	X	X						
BOW-BGWC-24	WG	G					6			X	X	X	X						
BOW-BGWC-25	WG	G			8/7/25	1543	6			X	X	X	X					020	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Leaker, Jay Siewert, Natalie Piparo, Shannon Nortnen

Printed Name:

Signature:

EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Cus. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/8/25 945		8/8/25 0930
Relinquished by/Company: (Signature)	8/8/25 1028	Received by/Company: (Signature)	8/8/25 1028
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 2 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurnik@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 | 2 | 3 | 3

Identify Container Preservative Type***: 2 | 1 | 1 | 2

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5gm, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-,SO4-2, Cl	*Appendix III, IV	Lab Use Only: Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-30	WG	G			8/5/25	1412	6			X	X	X	X	021	
BOW-BGWC-31	WG	G					6			X	X	X	X		
BOW-BGWC-32	WG	G					6			X	X	X	X		
BOW-BGWC-34D	WG	G			8/7/25	1650	6			X	X	X	X	022	
BOW-BGWC-35D	WG	G					6			X	X	X	X		
BOW-BGWC-36D	WG	G			8/7/25	1246	6			X	X	X	X	023	
BOW-BGWC-38D	WG	G			8/6/25	1557	6			X	X	X	X	024	
BOW-BGWC-40	WG	G					6			X	X	X	X		
BOW-BGWC-43D	WG	G			8/7/25	1053	6			X	X	X	X	025	
BOW-BGWC-49D	WG	G			8/6/25	1327	6			X	X	X	X	026	

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northep

Printed Name:

Signature:

EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
EnSafe	8/8/25 945		8/8/25 0945	
Relinquished by/Company: (Signature)	8/8/25 1028	Received by/Company: (Signature)	8/8/25 1028	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time:	

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Page: 3 of 5

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5400 Ritchey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Minnao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjunnk@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable:
Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0 F, SO4, Cl	*Appendix III, IV	Sample Comment
BOW-BGWC-50D	WG	G					6			X	X	X	X	
BOW-BGWC-51	WG	G					6			X	X	X	X	
BOW-BGWC-52	WG	G					6			X	X	X	X	
BOW-BGWC-53D	WG	G					6			X	X	X	X	
BOW-PZ-7	WG	G					6			X	X	X	X	
BOW-AP1-FD-02	WG	G			8/5/25	—	6			X	X	X	X	027
BOW-AP1-FD-	WG	G					6			X	X	X	X	
BOW-AP1-FB-02	WQ	G			8/5/25	1555	6			X	X	X	X	028
BOW-AP1-FB-	WQ	G					6			X	X	X	X	
BOW-AP1-EB-02	WQ	G			8/5/25	1610	6			X	X	X	X	029

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct/Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation not conformance (Identify for sample)

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix II: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Stewart, Natalie Piparo, Shannon Northen
Printed Name:
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/8/25 945	EnSafe	8/8/25 0945
	8/8/25 1028		8/8/25 1028

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgement and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resources/pace-terms-and-conditions/

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Other:

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/12/25 CW

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 033

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.3 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.3

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
8		1	1		2		2																							
9		1	1		2		2																							
10		1	1		2		2																							
11		1	1		2		2																							
12		1	1		2		2																							

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BPIN	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)
CC																														
1		1	1		2*		2*																							
2		1	1		2*		2*																							
3		1	1		2*		2*																							
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave, Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810485

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: krjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smiley, Noella Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP- 2nd SA	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5GmL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix*	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4, Cl	Appendix III, IV									Sample Comment	Preservation non-conformance identified (Y/N)
BOW-BGWC-16	WG	G					5			X	X	X	X										
BOW-BGWC-17	WG	G					5			X	X	X	X										
BOW-BGWC-18	WG	G					5			X	X	X	X										
BOW-BGWC-19	WG	G					5			X	X	X	X										
BOW-BGWC-20	WG	G					5			X	X	X	X										
BOW-BGWC-21	WG	G			8/11/25	1255	5			X	X	X	X									030	
BOW-BGWC-22	WG	G					5			X	X	X	X										
BOW-BGWC-23	WG	G			8/11/25	1045	5			X	X	X	X									031	
BOW-BGWC-24	WG	G			8/11/25	1120	6			X	X	X	X									032	
BOW-BGWC-25	WG	G					6			X	X	X	X										

Lab Use Only: Proj. Mgr: Bonnie Vann; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

* Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Looker, Jay Stewart, Natalie Piparo, Shannon Northen

Printed Name:

Signature:

EnSale

Customer Remarks / Special Conditions / Possible Hazards:

Containers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Lynn Williams / Pace	8/12/25 0916	Lynn Williams / Pace	8/12/25 0916
Lynn Williams / Pace	8/12/25 1435	[signature]	8/12/25 1435

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 2 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Mitkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP- 2nd SA	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable: [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 1

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40m. vial, (7) 1oz/4oz, (8) 2oz/4oz, (9) 50mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only

Proj Mgr: Bonnie Vang

Acct Num / Client ID:

Table #:

Profile / Template: 18507

Preleg / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified (Yes / No)

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Cwith (CK), Leachate (LL), Biosolid (SS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4, Cl	*Appendix III, IV	Sample Comment
BOW-BGWC-30	WG	G					6			X	X	X	X	
BOW-BGWC-31	WG	G			8/8/25	1234	6			X	X	X	X	033
BOW-BGWC-32	WG	G					6			X	X	X	X	
BOW-BGWC-34D	WG	G					6			X	X	X	X	
BOW-BGWC-35D	WG	G			8/11/25	1452	6			X	X	X	X	034
BOW-BGWC-36D	WG	G					6			X	X	X	X	
BOW-BGWC-38D	WG	G					6			X	X	X	X	
BOW-BGWC-40	WG	G			8/8/25	1155	6			X	X	X	X	035
BOW-BGWC-43D	WG	G					6			X	X	X	X	
BOW-BGWC-49D	WG	G					6			X	X	X	X	

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

* Appendix II: Boron, Calcium, Chloride, Fluoride, Sulfate TDS
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp (°C)	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number
Ryan W.11. / Pace	8/12/25 0916	Ryan W.11. / Pace	8/12/25 0916	
Received by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Ryan W.11. / Pace	8/12/25 1435	[illegible]	8/12/25 1435	
Relinquished by/Company: (Signature)	Date/Time:	Accepted by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

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Pace® Location Requested (City/State):

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Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Minlao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: krjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smalley, Noella Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP- 2nd SA	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	Country / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable) [ ] Yes [ ] No
	Analysis:

Specify Container Size**: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5035, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Na Ascorbate, (7) NaHSO4, (8) Trizma/Ltte, (9) Ammon Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO_4^{-2}, Cl	*Appendix III, IV									Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-50D	WG	G					5			X	X	X	X										
BOW-BGWC-51	WG	G					5			X	X	X	X										
BOW-BGWC-52	WG	G			8/11/25	1540	5			X	X	X	X									036	
BOW-BGWC-53D	WG	G			8/18/25	1222	5			X	X	X	X									037	
BOW-PZ-7	WG	G			8/11/25	1405	5			X	X	X	X									038	
BOW-AP1-FD-03	WG	G			8/18/25	—	5			X	X	X	X									039	
BOW-AP1-FD-04	WG	G			8/11/25	—	5			X	X	X	X									040	
BOW-AP1-FB-03	WQ	G			8/18/25	1310	5			X	X	X	X									041	
BOW-AP1-FB-04	WQ	G			8/11/25	1513	5			X	X	X	X									042	
BOW-AP1-EB-03	WQ	G			8/18/25	1320	5			X	X	X	X									043	

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID; Table #:; Profile / Template: 18507; Prelog / Bottle Ord. ID: EZ 3279253

Additional Instructions From Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium.

Collected By: William Lasker, Jay Siewert, Natalie Piparo, Shannon Northon
Printed Name:
Signature:
EnSale

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Trading Number:
Glen Williams / Pace	8/12/25 0916	Lung Williams / Pace	8/12/25 0916	
Relinquished by/Company: (Signature)	8/12/25 1436	Received by/Company: (Signature)	8/12/25 1435	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0308
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noella Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP- 2nd SA	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC82474-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Kits, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Data Deliverables: [ ] Level I [ ] Level III [ ] Level IV [ ] EQuIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable: [ ] Yes [ ] No	
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other	DW PWSID # or WW Permit # as applicable:	
	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No	
		Analysis:	

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0 F, SO4 *, Cl	*Appendix III, IV	Sample Comment
BOW-AP1-EB-04	WQ	G			3/11/25	1519	6			X	X	X	X	044
	WG	G					6							
	WG	G					6							
	WQ	G					6							
		G					6							
		G					6							
		G					6							
		G					6							

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Lasker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name:

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Type of Ice	Thermometer ID	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp (°C)	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number
Ryan W.V.m. / Pace	3/12/25 1416	Ryan Wilson / Pace	3/16/25 0916	
Relinquished by/Company: (Signature) Ryan W.V.m. / Pace	Date/Time 3/12/25 1435	Accepted by/Company: (Signature)	Date/Time 1435	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CURQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/15/25 CAF

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	BP1N	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)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92810485

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	*Appendix III, IV	Sample Comment
BOW-BGWA-2	WG	G					6			X	X	X	X	
BOW-BGWA-29	WG	G			8/12/25	1426	6			X	X	X	X	045
BOW-BGWA-47D	WG	G					6			X	X	X	X	
BOW-BGWA-48D	WG	G					6			X	X	X	X	
BOW-BGWC-7	WG	G					6			X	X	X	X	
BOW-BGWC-8	WG	G					6			X	X	X	X	
BOW-BGWC-9	WG	G					6			X	X	X	X	
BOW-BGWC-10	WG	G					6			X	X	X	X	
BOW-BGWC-12	WG	G					6			X	X	X	X	
BOW-BGWC-14A	WG	G					6			X	X	X	X	

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/15/25 1509		8/15/25 1509	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen AP- 2nd SA

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (If applicable): GPC82474-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 1 2 3 3

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F-,SO4=, Cl-	*Appendix III, IV	Sample Comment
BOW-BGWC-30	WG	G					6			X	X	X	X	
BOW-BGWC-31	WG	G					6			X	X	X	X	
BOW-BGWC-32	WG	G			8/12/25	1059	6			X	X	X	X	046
BOW-BGWC-34D	WG	G					6			X	X	X	X	
BOW-BGWC-35D	WG	G					6			X	X	X	X	
BOW-BGWC-36D	WG	G					6			X	X	X	X	
BOW-BGWC-38D	WG	G					6			X	X	X	X	
BOW-BGWC-40	WG	G					6			X	X	X	X	
BOW-BGWC-43D	WG	G					6			X	X	X	X	
BOW-BGWC-49D	WG	G					6			X	X	X	X	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

Preservation non-conformance identified for sample

Additional Instructions from Pace® :

Task Code: BOW-CCR-ASSMT-2025S2

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/15/25 1509		8/15/25 1509	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Bowen AP- 2nd SA
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size**: 1 2 3 3
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Wang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3279253

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	RAD 226/228	2540C Total Dissolved Solids	300.0-F, SO4 2-, Cl-	*Appendix III, IV	Sample Comment	Preservation non-conformance identified for sample
BOW-BGWC-50D	WG	G					6			X	X	X	X		
BOW-BGWC-51	WG	G			8/13/25	1219	6			X	X	X	X	047	
BOW-BGWC-52	WG	G					6			X	X	X	X		
BOW-BGWC-53D	WG	G					6			X	X	X	X		
BOW-PZ-7	WG	G					6			X	X	X	X		
BOW-AP1-FD-	WG	G					6			X	X	X	X		
BOW-AP1-FD-	WG	G					6			X	X	X	X		
BOW-AP1-FB-	WQ	G					6			X	X	X	X		
BOW-AP1-FB-	WQ	G					6			X	X	X	X		
BOW-AP1-EB-	WQ	G					6			X	X	X	X		

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S2
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

Collected By: William Laaker, Jay Siewert, Natalie Piparo,
Printed Name: Shannon Northen
Signature: EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/15/25 1509		8/15/25 1509	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

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Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	8/22/2025
Worklist:	86407
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3713627
MB concentration:	0.566
M/B 2 Sigma CSU:	0.353
MB MDC:	0.660
MB Numerical Performance Indicator:	3.14
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86407	**LCSD86407**
Count Date:	8/25/2025	8/25/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.497	31.497
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.817
Target Conc. (pCi/L, g, F):	3.860	3.857
Uncertainty (Calculated):	0.189	0.189
Result (pCi/L, g, F):	3.597	3.619
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.930	0.952
Numerical Performance Indicator:	-0.54	-0.48
Percent Recovery:	93.20%	93.84%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86407	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86407	
Sample Result (pCi/L, g, F):	3.597	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.930	
Sample Duplicate Result (pCi/L, g, F):	3.619	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.952	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.032	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	0.68%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

~~*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.~~ MB activity < MDC, Pass

JM 8/25/25

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	8/15/2025
Worklist:	86512
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3721829
MB concentration:	0.296
M/B 2 Sigma CSU:	0.374
MB MDC:	0.792
MB Numerical Performance Indicator:	1.55
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86512	LCSD86512
Count Date:	8/21/2025	8/21/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.537	31.537
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.822
Target Conc. (pCi/L, g, F):	3.859	3.836
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	2.790	3.378
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.775	0.849
Numerical Performance Indicator:	-2.63	-1.03
Percent Recovery:	72.29%	88.07%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86512	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86512	
Sample Result (pCi/L, g, F):	2.790	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.775	
Sample Duplicate Result (pCi/L, g, F):	3.378	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.849	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.003	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	19.68%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

8/22/25

Quality Control Sample Performance Assessment

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Test:	Ra-228
Analyst:	VAL
Date:	8/15/2025
Worklist:	86556
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3723177
MB concentration:	0.169
M/B 2 Sigma CSU:	0.334
MB MDC:	0.737
MB Numerical Performance Indicator:	0.99
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86556	LCSD86556
Count Date:	8/22/2025	8/22/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.529	31.529
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.822
Target Conc. (pCi/L, g, F):	3.856	3.837
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	3.265	2.614
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.792	0.665
Numerical Performance Indicator:	-1.42	-3.47
Percent Recovery:	84.69%	68.13%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86556	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86556	
Sample Result (pCi/L, g, F):	3.265	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.792	
Sample Duplicate Result (pCi/L, g, F):	2.614	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.665	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.233	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.67%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

8/25/25

Quality Control Sample Performance Assessment

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Test:	Ra-228
Analyst:	JJS1
Date:	8/20/2025
Worklist:	86631
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728187
MB concentration:	0.913
M/B 2 Sigma CSU:	0.387
MB MDC:	0.578
MB Numerical Performance Indicator:	4.62
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	See Comment*

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86631	LCSD86631
Count Date:	8/28/2025	8/28/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.465	31.465
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.820
Target Conc. (pCi/L, g, F):	3.858	3.835
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	2.386	3.053
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.702	0.780
Numerical Performance Indicator:	-3.97	-1.91
Percent Recovery:	61.85%	79.62%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86631	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86631	
Sample Result (pCi/L, g, F):	2.386	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.702	
Sample Duplicate Result (pCi/L, g, F):	3.053	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.780	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.246	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	25.12%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:
*The method blank result is below the reporting limit for this analysis and is acceptable.

8/29/25

Quality Control Sample Performance Assessment

Pace Analytical
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Test:	Ra-228
Analyst:	ZPC
Date:	9/2/2025
Worklist:	86785
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737578
MB concentration:	0.315
M/B 2 Sigma CSU:	0.480
MB MDC:	1.037
MB Numerical Performance Indicator:	1.29
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86785	LCSD86785
Count Date:	9/9/2025	9/9/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.340	31.340
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.821
Target Conc. (pCi/L, g, F):	3.836	3.815
Uncertainty (Calculated):	0.188	0.187
Result (pCi/L, g, F):	3.868	3.254
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.959	0.852
Numerical Performance Indicator:	0.06	-1.26
Percent Recovery:	100.84%	85.29%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86785	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86785	
Sample Result (pCi/L, g, F):	3.868	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.959	
Sample Duplicate Result (pCi/L, g, F):	3.254	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.852	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.939	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	16.71%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

9/10/25

Quality Control Sample Performance Assessment

Pace Analytical
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Test:	Ra-226
Analyst:	SLC
Date:	8/6/2025
Worklist:	86408
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3713628
MB concentration:	-0.013
M/B 2 Sigma CSU:	0.366
MB MDC:	0.959
MB Numerical Performance Indicator:	-0.07
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86408	LCSD86408
Count Date:	8/25/2025	8/25/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.010	25.010
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.509	0.501
Target Conc. (pCi/L, g, F):	4.917	4.988
Uncertainty (Calculated):	0.231	0.234
Result (pCi/L, g, F):	3.807	4.315
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.722	0.787
Numerical Performance Indicator:	-2.87	-1.61
Percent Recovery:	77.43%	86.51%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86408	92810485007
Duplicate Sample I.D.	LCSD86408	92810485007DUP
Sample Result (pCi/L, g, F):	3.807	-0.020
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.722	0.108
Sample Duplicate Result (pCi/L, g, F):	4.315	0.016
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.787	0.093
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.932	-0.506
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	11.08%	-1881.38%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

8.25.25

TY
8.25.25

Quality Control Sample Performance Assessment

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Test:	Ra-226
Analyst:	SLC
Date:	8/18/2025
Worklist:	86511
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3721828
MB concentration:	0.001
M/B 2 Sigma CSU:	0.070
MB MDC:	0.192
MB Numerical Performance Indicator:	0.03
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86511	LCSD86511
Count Date:	9/10/2025	9/10/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.508	0.505
Target Conc. (pCi/L, g, F):	4.927	4.948
Uncertainty (Calculated):	0.232	0.233
Result (pCi/L, g, F):	5.189	5.047
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.887	0.877
Numerical Performance Indicator:	0.56	0.21
Percent Recovery:	105.32%	102.00%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86511	92810485027
Duplicate Sample I.D.	LCSD86511	92810485027DUP
Sample Result (pCi/L, g, F):	5.189	0.462
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.887	0.180
Sample Duplicate Result (pCi/L, g, F):	5.047	0.377
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.877	0.157
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.223	0.701
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.20%	20.35%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

CT 9-10-25

VAM 9/10/25

Quality Control Sample Performance Assessment

Pace Analytical
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Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86546
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3722432
MB concentration:	0.083
M/B 2 Sigma CSU:	0.202
MB MDC:	0.480
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86546	LCSD86546
Count Date:	8/27/2025	8/27/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.507
Target Conc. (pCi/L, g, F):	4.951	4.937
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	3.820	5.418
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.824	1.065
Numerical Performance Indicator:	-2.59	0.86
Percent Recovery:	77.17%	109.73%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86546	92810485029
Duplicate Sample I.D.	LCSD86546	92810485029DUP
Sample Result (pCi/L, g, F):	3.820	-0.063
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.824	0.212
Sample Duplicate Result (pCi/L, g, F):	5.418	0.084
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.065	0.202
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-2.325	-0.986
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	34.84%	1372.70%
Duplicate Status vs Numerical Indicator:	Warning	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 8/27/25

CT 8-27-25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/27/2025
Worklist:	86630
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728186
MB concentration:	-0.016
M/B 2 Sigma CSU:	0.076
MB MDC:	0.218
MB Numerical Performance Indicator:	-0.40
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86630	LCSD86630
Count Date:	9/9/2025	9/9/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.501
Target Conc. (pCi/L, g, F):	4.969	4.994
Uncertainty (Calculated):	0.234	0.235
Result (pCi/L, g, F):	4.355	5.240
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.784	0.910
Numerical Performance Indicator:	-1.47	0.51
Percent Recovery:	87.63%	104.93%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86630	92810485041
Duplicate Sample I.D.	LCSD86630	92810485041DUP
Sample Result (pCi/L, g, F):	4.355	0.035
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.784	0.084
Sample Duplicate Result (pCi/L, g, F):	5.240	-0.019
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.910	0.072
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.445	0.963
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	17.97%	676.94%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

9-10-25

LAM 9/10/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/3/2025
Worklist:	86784
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737577
MB concentration:	0.028
M/B 2 Sigma CSU:	0.328
MB MDC:	0.821
MB Numerical Performance Indicator:	0.17
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86784	**LCSD86784**
Count Date:	9/4/2025	9/4/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.507
Target Conc. (pCi/L, g, F):	4.962	4.935
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	4.835	4.973
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.059	1.094
Numerical Performance Indicator:	-0.23	0.07
Percent Recovery:	97.44%	100.77%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86784	92810485047
Duplicate Sample I.D.	LCSD86784	92810485047DUP
Sample Result (pCi/L, g, F):	4.835	0.248
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.059	0.341
Sample Duplicate Result (pCi/L, g, F):	4.973	0.095
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.094	0.286
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.178	0.675
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.35%	89.47%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VAM 9/4/25

ET 9-4-25

Data Validation Report

Geosyntec consultants

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Knoxville, TN 37922
PH 865.330.0037
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Memorandum

Date:	27 May 2025
To:	Mintao Lu
From:	Ashley Wilson
CC:	K. Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Pace Analytical Services, LLC Project Numbers 92778530 and 92778538**

SITE: Plant Bowen Ash Pond 1 (OTH)

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of forty-one aqueous samples, five field duplicates, five equipment blanks and five field blanks collected 4-7, 10-13 & 18 February 2025 as part of the Plant Bowen Ash Pond on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Mount Juliet, Tennessee, for the following analytical tests:

- Lithium by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B

The samples were analyzed at Pace Analytical Services, LLC, Asheville, North Carolina, for the following analytical tests:

- Mercury by US EPA Method 7470A
- Alkalinity by SM 2320B
- Total Dissolved Solids (TDS) by Standard Method (SM 2540C
- Sulfide by SM 4500-S2D
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0

The samples were analyzed at Pace Analytical Services, LLC, West Columbia, South Carolina, for the following analytical tests:

- Metals by US EPA Methods 3005A/6020B

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

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. 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, November 2020 (EPA 542-R-20-006); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs		**Client IDs**
92778538001	92778530001	BOW-BGWA-29
92778538002	92778530002	BOW-BGWC-7
92778538003	92778530003	BOW-BGWC-10
92778538004	92778530004	BOW-BGWC-16
92778538005	92778530005	BOW-BGWC-20
92778538006	92778530006	BOW-BGWC-31
92778538007	92778530007	BOW-BGWC-34D
92778538008	92778530010	BOW-AP1-FB-02
92778538009	92778530011	BOW-AP1-EB-02
92778538010	92778530012	BOW-BGWA-47D
92778538011	92778530013	BOW-BGWA-48D
92778538012	92778530014	BOW-BGWA-6
92778538013	92778530015	BOW-AP1-FD-01
92778538014	92778530016	BOW-AP1-FB-01
92778538015	92778530017	BOW-AP1-EB-01
92778538016	92778530018	BOW-BGWC-8
92778538017	92778530019	BOW-BGWC-9
92778538018	92778530020	BOW-BGWC-12

Laboratory IDs		Client IDs
92778538019	92778530021	BOW-BGWC-14A
92778538020	92778530022	BOW-BGWC-36D
92778538021	92778530023	BOW-BGWC-44D
92778538022	92778530024	BOW-BGWC-50D
92778538023	92778530008	BOW-BGWC-51
92778538024	92778530009	BOW-AP1-FD-02
92778538025	92778530025	BOW-BGWA-2
92778538026	92778530026	BOW-BGWC-21
92778538027	92778530027	BOW-BGWC-25
92778538028	92778530028	BOW-BGWC-30
92778538029	92778530029	BOW-BGWC-40
92778538030	92778530030	BOW-BGWC-49D
92778538031	92778530031	BOW-AP1-FD-03
92778538032	92778530032	BOW-AP1-FB-03
92778538033	92778530033	BOW-AP1-EB-03
92778538034	92778530034	BOW-BGWC-17
92778538035	92778530035	BOW-BGWC-18
92778538036	92778530036	BOW-BGWC-19
92778538037	92778530037	BOW-BGWC-52
92778538038	92778530038	BOW-PZ-7
92778538039	92778530039	BOW-BGWC-32
92778538040	92778530040	BOW-BGWC-41D
92778538041	92778530041	BOW-BGWC-53D
92778538042	92778530042	BOW-AP1-FD-05
92778538043	92778530043	BOW-BGWC-22
92778538044	92778530044	BOW-AP1-FB-05
92778538045	92778530045	BOW-AP1-EB-05
92778538046	92778530046	BOW-BGWC-23
92778538047	92778530047	BOW-BGWC-24
92778538048	92778530048	BOW-BGWC-35D
92778538049	92778530049	BOW-BGWC-37D
92778538050	92778530050	BOW-BGWC-38D
92778538051	92778530051	BOW-BGWC-42D
92778538052	92778530052	BOW-BGWC-43D
92778538053	92778530053	BOW-AP1-FD-04
92778538054	92778530054	BOW-AP1-FB-04
92778538055	92778530055	BOW-AP1-EB-04
92778538056	92778530056	BOW-BGWC-39

The samples were received within 0-6 degrees Celsius (ºC). No sample preservation issues were noted by the laboratory.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3015/6020B 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

1.1 Overall Assessment

The metals data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a 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). The metals were not detected in the method blanks at or above the method detection limits (MDLs), with the following exception.

Manganese (0.0027 mg/L) was detected in the method blank in batch 921048 at an estimated concentration greater than the MDL and less than the reporting limit (RL). Therefore, the estimated concentrations of manganese in samples BOW-AP1-FD-01, BOW-BGWA-47D, BOW-BGWA-48D, BOW-BGWC-10, BOW-BGWC-12, BOW-BGWC-34D, BOW-BGWC-36D, BOW-

BGWC-8, BOW-BGWC-9, BOW-BGWA-6 and BOW-BGWC-7 were U qualified as estimated below the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BOW-AP1-FD-01	Manganese	0.0032	J,B	0.040	U	BC
BOW-BGWA-47D	Manganese	0.0034	J,B	0.040	U	BC
BOW-BGWA-48D	Manganese	0.025	J,B	0.040	U	BC
BOW-BGWC-10	Manganese	0.027	J,B	0.040	U	BC
BOW-BGWC-12	Manganese	0.0021	J,B	0.040	U	BC
BOW-BGWC-34D	Manganese	0.017	J,B	0.040	U	BC
BOW-BGWC-36D	Manganese	0.0024	J,B	0.040	U	BC
BOW-BGWC-8	Manganese	0.0013	J,B	0.040	U	BC
BOW-BGWC-9	Manganese	0.017	J,B	0.040	U	BC
BOW-BGWA-6	Manganese	0.035	J	0.040	U	BC
BOW-BGWC-7	Manganese	0.034	J	0.040	U	BC

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
B-Analyte was detected in the associated method blank
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/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-AP1-EB-02, BOW-BGWC-40, BOW-BGWC-37D, BOW-BGWA-29, BOW-BGWC-7, BOW-BGWC-44D, BOW-BGWC-50D, BOW-BGWC-53D and BOW-AP1-FD-05. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of calcium in the MS/MSD pair using sample BOW-BGWA-29 were high and outside of the laboratory specified acceptance criteria. Since the calcium concentration in sample BOW-BGWA-29 was greater than four times the spike concentration, no qualifications were applied to the data.

One or both recoveries of calcium and magnesium in the MS/MSD pair using sample BOW-BGWC-7 were low and outside of the laboratory specified acceptance criteria. Since the calcium and magnesium concentrations in sample BOW-BGWC-7 were greater than four times the spike concentrations, no qualifications were applied to the data.

The recoveries of calcium and magnesium in the MS/MSD pair using sample BOW-BGWC-44D were high and low, respectively, and outside of the laboratory specified acceptance criteria. Since the calcium and magnesium concentrations in sample BOW-BGWC-44D were greater than four times the spike concentrations, no qualifications were applied to the data.

One or both recoveries of calcium, magnesium and sodium in the MS/MSD pair using sample BOW-BGWC-50D were high and outside of the laboratory specified acceptance criteria. Since the calcium, magnesium, and sodium concentrations in sample BOW-BGWC-50D were greater than four times the spike concentrations, no qualifications were applied to the data.

One or both recoveries of boron, calcium, magnesium, and sodium in the MS/MSD pair using sample BOW-BGWC-53D were low or high and outside of the laboratory specified acceptance criteria. Since the boron, calcium, magnesium, and sodium concentrations in sample BOW-BGWC-53D were greater than four times the spike concentrations, no qualifications were applied to the data.

One or both recoveries of boron, calcium, magnesium, and sodium in the MS/MSD pair using sample BOW-AP1-FD-05 were low or high and outside of the laboratory specified acceptance criteria. Since the boron, calcium, magnesium, and sodium concentrations in sample BOW-AP1-FD-05 were greater than four times the spike concentrations, no qualifications were applied to the data.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported with each batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

Five field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04 and BOW-AP1-FB-05 were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs.

1.7 Equipment Blank

Five equipment blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, BOW-AP1-EB-04 and BOW-AP1-EB-05 were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs.

1.8 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 ≤ 20% or difference < RL) was demonstrated between the field duplicates and the original samples BOW-BGWA-47D, BOW-BGWC-20, BOW-BGWC-25, BOW-BGWC-37D and BOW-BGWC-41D, with the following exception.

The RPD for iron in field duplicate pair BOW-AP1-FD-02/ BOW-BGWC-20 was greater than 20%. Therefore, these concentrations of iron in field duplicate BOW-AP1-FD-02 and sample BOW-BGWC-20 were J qualified as estimated.

Selenium was detected at an estimated concentration greater than the MDL and less than the RL in sample BOW-BGWC-20 and not detected in field duplicate BOW-AP1-FD-02, resulting in a noncalculable RPD. Since the selenium concentrations in the field duplicate pair were less than the RL, no qualifications were applied to the data.

Antimony was detected at an estimated concentration greater than the MDL and less than the RL in field duplicate BOW-AP1-FD-05 and not detected in sample BOW-BGWC-41D, resulting in a noncalculable RPD. Since the antimony concentrations in the field duplicate pair were less than the RL, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/l)	Laboratory Flag	RPD	Validation Result (mg/l)	Validation Qualifier*	Reason Code**
BOW-AP1-FD-02	Iron	3.4	NA	187	3.4	J	RPDF1
BOW-BGWC-20	Iron	0.11	NA		0.11	J	RPDF1

mg/L-milligrams per liter
NA-not applicable

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

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

2.1 Overall Assessment

The mercury data reported in this data set are considered usable for supporting project objectives. The analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Mercury was not detected in the method blanks at or 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-BGWC-7, BOW-BGWC-8, BOW-BGWC-49D and BOW-BGWC-24. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria.

2.6 Field Blank

Five field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04 and BOW-AP1-FB-05 were collected with the sample set. Mercury was not detected in the field blanks at or above the MDL.

2.7 Equipment Blank

Five equipment blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, BOW-AP1-EB-04 and BOW-AP1-EB-05 were collected with the sample set. Mercury was not detected in the equipment blanks at or 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 < 20% or difference < RL) was demonstrated between the field duplicates and the original samples BOW-BGWA-47D, BOW-BGWC-20, BOW-BGWC-25, BOW-BGWC-37D and BOW-BGWC-41D.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for TDS by Standard Method 2540C, alkalinity by Standard Method 2320B, sulfide by Standard Method 4500-S2D 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

3.1 Overall Assessment

The wet chemistry data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

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.

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). The wet chemistry parameters were not detected in the method blanks at or 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).

Sample set specific MS/MSD pairs were reported for total alkalinity using samples BOW-BGWA-47D, BOW-BGWC-12, BOW-BGWC-14A, BOW-BGWC-51, BOW-AP1-FD-02, BOW-BGWC-40, BOW-BGWC-49D, BOW-BGWC-53D, BOW-AP1-FD-05, BOW-BGWC-35D and BOW-BGWC-37D.

Sample set specific MS/MSD pairs were reported for sulfide using samples BOW-AP1-FB-02, BOW-BGWA-47D, BOW-BGWC-36D, BOW-BGWC-25, BOW-BGWC-17, BOW-BGWC-32, BOW-BGWC-23, and BOW-BGWC-39.

Sample set specific MS/MSD pair was reported for anions using samples BOW-BGWC-31, BOW-BGWC-8, BOW-AP1-FB-03, BOW-BGWC-23 and BOW-BGWC-39.

The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The MSD recovery of total alkalinity in the MS/MSD pairs using sample BOW-BGWC-12 was high and outside the laboratory specified acceptance criteria. Since the concentration of total alkalinity in sample BOW-BGWC-12 was greater than four times the spike concentration, no qualifications were applied to the data.

The RPD of sulfide in the MS/MSD pair using sample BOW-BGWC-32 was high and outside the laboratory specified acceptance criteria. Since sulfide was not detected in sample BOW-BGWC-32, no qualifications were applied to the data.

The recoveries of sulfate in the MS/MSD pair using sample BOW-BGWC-31 were low and outside the laboratory specified acceptance criteria. Therefore, the concentration of sulfate in sample BOW-BGWC-31 was J- qualified as estimated with a low bias.

The MS recoveries of chloride and sulfate in the MS/MSD pair using sample BOW-BGWC-23 were low and outside the laboratory specified acceptance criteria. Since the concentrations of chloride and sulfate in sample BOW-BGWC-23 were greater than four times the spike concentrations, no qualifications were applied to the data.

The recoveries of fluoride in the MS/MSD pair using sample BOW-BGWC-23 were high and outside the laboratory specified acceptance criteria. Therefore, the estimated concentration of fluoride in sample BOW-BGWC-23 was J+ qualified as estimated with a high bias. Since the concentration was initially J qualified as estimated, the final qualification would be J qualified as estimated.

The recoveries of chloride and sulfate in the MS/MSD pair using sample BOW-BGWC-39 were low and outside the laboratory specified acceptance criteria. Therefore, the concentrations of chloride and sulfate in sample BOW-BGWC-39 were J- qualified as estimated with a low bias.

Batch MS/MSD pairs were also reported for alkalinity, sulfide, and anions. Since these were batch QC there was no impact on the data and qualifications were not applied.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-23	Fluoride	0.056	J,M1	0.056	J	MS1
BOW-BGWC-31	Sulfate	110	M1	110	J-	MS1
BOW-BGWC-39	Sulfate	105	M1	105	J-	MS1

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-39	Chloride	83.6	M1	83.6	J-	MS1

mg/L-milligrams per liter
J-Estimated concentration above the adjusted MDL and below the adjusted RL
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). The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Sample set specific laboratory duplicates were reported for TDS using samples BOW-BGWC-44D, BOW-BGWC-51, BOW-BGWC-25, BOW-BGWC-17, BOW-AP1-FB-05 and BOW-AP1-EB-04. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were also reported for TDS. Since these were batch QC, there was no impact on the data and qualifications were not applied.

3.7 Field Blank

Five field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04 and BOW-AP1-FB-05 were collected with the sample set. The wet chemistry parameters were not detected in the field blanks at or above the MDLs.

3.8 Equipment Blank

Five equipment blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, BOW-AP1-EB-04 and BOW-AP1-EB-05 were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks at or above the MDLs.

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 < 20% or difference < RL) was demonstrated between the field duplicates and the original samples BOW-BGWA-47D, BOW-BGWC-20, BOW-BGWC-25, BOW-BGWC-37D and BOW-BGWC-41D.

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.

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

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%.

4.1.1 Analysis Anomaly

Total radium was reported at the minimum detectable concentration (MDC), for radium-226 and radium-228. Radium-226 was detected greater than the MDC in samples BOW-AP1-FD-03, BOW-BGWC-40 and BOW-BGWC-53D. Since total radium is calculated from radium-226 and radium-228, and radium-226 was greater than the MDC, and based on professional and technical judgment, the total radium concentrations for these samples were reported with no qualifications.

Total radium was reported at the MDC, for radium-226 and radium-228. Radium-228 was detected greater than the MDC in samples BOW-AP1-EB-01, BOW-BGWC-17, BOW-BGWC-21, and BOW-BGWC-51. Since total radium is calculated from radium-226 and radium-228, and radium-226 was greater than the MDC, and based on professional and technical judgment, the total radium concentrations for these samples were reported with no qualifications.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-AP1-EB-01	Combined Radium 226 + 228	1.07	U	1.07	NA	RO1
BOW-AP1-FD-03	Combined Radium 226 + 228	0.377	U	0.377	NA	RO1
BOW-BGWC-17	Combined Radium 226 + 228	1.11	U	1.11	NA	RO1
BOW-BGWC-21	Combined Radium 226 + 228	1.23	U	1.23	NA	RO1
BOW-BGWC-40	Combined Radium 226 + 228	0.803	U	0.803	NA	RO1
BOW-BGWC-51	Combined Radium 226 + 228	0.876	U	0.876	NA	RO1
BOW-BGWC-53D	Combined Radium 226 + 228	1.06	U	1.06	NA	RO1

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

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). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 (0.397 pCi/L) was detected in the method blank in batch 728160 at a concentration greater than the measured 2σ uncertainty. Since radium-228 was not detected in the associated samples greater than the MDC, no qualifications were applied to the data.

Radium-228 (0.416 pCi/L) was detected in the method blank in batch 727538 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-228 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration

for radium-228 in the associated samples were J qualified as estimated. In addition, the combined radium 226 + 228 concentrations for the qualified samples were J qualified as estimated.

Radium-228 (0.276 pCi/L) was detected in the method blank in batch 726351 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-228 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration for radium-228 in the associated samples were J qualified as estimated and the radium concentrations with a mean difference less than 2 in the associated sample was UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for the qualified samples were J qualified as estimated.

Radium-226 (0.219 pCi/L) was detected in the method blank in batch 727536 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-226 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration for radium-226 in the associated samples were J qualified as estimated and the radium concentrations with a mean difference less than 2 in the associated sample was UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for samples BOW-AP1-FD-05-WG-20250212, BOW-BGWC-32-WG-20250212, BOW-BGWC-41D-WG-20250212 and BOW-BGWC-49D-WG-20250210 were J qualified as estimated and the combined radium 226 + 228 concentrations for samples BOW-AP1-FB-03-WQ-20250210, BOW-AP1-FD-03-WG-20250210, BOW-BGWC-22-WG-20250213, BOW-BGWC-40-WG-20250210 and BOW-BGWC-53D-WG-20250212 were UJ qualified as not statistically distinguishable from the blank.

Radium-228 (0.637 pCi/L) was detected in the method blank in batch 727535 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-228 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration for radium-228 in the associated samples were J qualified as estimated and the radium concentrations with a mean difference less than 2 in the associated sample was UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for samples BOW-AP1-FD-05-WG-20250212, BOW-BGWC-32-WG-20250212, BOW-BGWC-41D-WG-20250212 and BOW-BGWC-49D-WG-20250210 were J qualified as estimated and the combined radium 226 + 228 concentration for sample BOW-AP1-FB-03-WQ-20250210, BOW-AP1-FD-03-WG-20250210, BOW-BGWC-17-WG-20250207, BOW-BGWC-21-WG-20250210, BOW-BGWC-22-WG-20250213, BOW-BGWC-40-WG-20250210, BOW-BGWC-53D-WG-20250212 and BOW-PZ-7-WG-20250207 were UJ qualified as not statistically distinguishable from the blank.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-AP1-EB-01	Radium-228	1.03	NA	1.03	J	BC1
BOW-AP1-EB-01	Combined Radium 226 + 228	1.07	U	1.07	J	RO1, BC1
BOW-AP1-FB-03	Radium-226	0.191	NA	0.191	UJ	BC1
BOW-AP1-FB-03	Radium-228	0.950	NA	0.950	UJ	BC1
BOW-AP1-FB-03	Combined Radium 226 + 228	1.14	NA	1.14	UJ	BC1
BOW-AP1-FD-03	Radium-226	0.215	NA	0.215	UJ	BC1
BOW-AP1-FD-03	Combined Radium 226 + 228	0.377	U	0.377	UJ	RO1, BC1
BOW-AP1-FD-04	Radium-228	1.65	NA	1.65	J	BC1
BOW-AP1-FD-04	Combined Radium 226 + 228	2.78	NA	2.78	J	BC1
BOW-AP1-FD-05	Radium-226	1.56	NA	1.56	J	BC1
BOW-AP1-FD-05	Radium-228	1.87	NA	1.87	J	BC1
BOW-AP1-FD-05	Combined Radium 226 + 228	3.43	NA	3.43	J	BC1
BOW-BGWC-17	Radium-228	1.06	NA	1.06	UJ	BC1
BOW-BGWC-17	Combined Radium 226 + 228	1.11	U	1.11	UJ	RO1, BC1
BOW-BGWC-21	Radium-228	1.11	NA	1.11	UJ	BC1
BOW-BGWC-21	Combined Radium 226 + 228	1.23	U	1.23	UJ	RO1, BC1
BOW-BGWC-22	Radium-226	0.415	NA	0.415	UJ	BC1
BOW-BGWC-22	Radium-228	1.18	NA	1.18	UJ	BC1
BOW-BGWC-22	Combined Radium 226 + 228	1.60	NA	1.60	UJ	BC1
BOW-BGWC-24	Radium-228	2.01	NA	2.01	J	BC1
BOW-BGWC-24	Combined Radium 226 + 228	2.60	NA	2.60	J	BC1
BOW-BGWC-32	Radium-226	0.593	NA	0.593	J	BC1
BOW-BGWC-32	Combined Radium 226 + 228	1.28	NA	1.28	J	BC1
BOW-BGWC-35D	Radium-228	1.80	NA	1.80	J	BC1

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWC-35D	Combined Radium 226 + 228	2.71	NA	2.71	J	BC1
BOW-BGWC-37D	Radium-228	1.30	NA	1.30	J	BC1
BOW-BGWC-37D	Combined Radium 226 + 228	2.04	NA	2.04	J	BC1
BOW-BGWC-38D	Radium-228	1.63	NA	1.63	J	BC1
BOW-BGWC-38D	Combined Radium 226 + 228	2.44	NA	2.44	J	BC1
BOW-BGWC-40	Radium-226	0.259	NA	0.259	UJ	BC1
BOW-BGWC-40	Combined Radium 226 + 228	0.803	U	0.803	UJ	RO1, BC1
BOW-BGWC-41D	Radium-226	1.57	NA	1.57	J	BC1
BOW-BGWC-41D	Radium-228	1.04	NA	1.04	UJ	BC1
BOW-BGWC-41D	Combined Radium 226 + 228	2.61	NA	2.61	J	BC1
BOW-BGWC-44D	Radium-228	1.66	NA	1.66	J	BC1
BOW-BGWC-44D	Combined Radium 226 + 228	1.73	NA	1.73	J	BC1
BOW-BGWC-49D	Radium-226	0.990	NA	0.990	J	BC1
BOW-BGWC-49D	Radium-228	1.09	NA	1.09	UJ	BC1
BOW-BGWC-49D	Combined Radium 226 + 228	2.08	NA	2.08	J	BC1
BOW-BGWC-50D	Radium-228	0.743	NA	0.743	UJ	BC1
BOW-BGWC-50D	Combined Radium 226 + 228	1.15	NA	1.15	J	BC1
BOW-BGWC-53D	Radium-226	0.410	NA	0.410	UJ	BC1
BOW-BGWC-53D	Combined Radium 226 + 228	1.06	U	1.06	UJ	RO1, BC1
BOW-PZ-7	Radium-228	1.12	NA	1.12	UJ	BC1
BOW-PZ-7	Combined Radium 226 + 228	1.29	NA	1.29	UJ	BC1

pCi/L-picocuries per liter
NA-not applicable

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). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and replicate error ratio (RER) [2 sigma (2σ)] results were within the laboratory specified acceptance criteria.

4.6 Laboratory Duplicate

Laboratory duplicates were not reported with the sample set.

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

Five field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04 and BOW-AP1-FB-05 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 at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-226 (0.191 pCi/L) and radium-228 (0.950 pCi/L) were detected in BOW-AP1-FB-03 at a concentration greater than the measured 2σ uncertainty. Since the radium-226 and radium-228 results for BOW-AP1-FB-03 were UJ qualified as not statistically distinguishable from the blank due to statistically positive method blank result, no additional qualifications were applied to the data.

Radium-228 (0.379 pCi/L) was detected in the BOW-AP1-FB-02 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-228 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration for radium-228 in the associated samples were J qualified as estimated and the radium concentrations with a mean difference less than 2 in the associated sample was UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for samples BOW-AP1-FD-02-WG-20250206, BOW-BGWC-20-WG-20250206, BOW-BGWC-34D-WG-20250206 and BOW-BGWC-7-WG-20250206 were J qualified as estimated and the

combined radium 226 + 228 concentration for sample BOW-BGWC-51-WG-20250206 were UJ qualified as not statistically distinguishable from the blank.

Radium-228 (0.567 pCi/L) was detected in BOW-AP1-FB-05 at a concentration greater than the measured 2σ uncertainty. Since the radium-228 result for the associated sample greater than the MDC was UJ qualified as not statistically distinguishable from the blank due to method blank due to statistically positive method blank result, no additional qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-AP1-FD-02	Radium-228	1.02	NA	1.02	J	BFH
BOW-AP1-FD-02	Combined Radium 226 + 228	1.47	NA	1.47	UJ	BFH
BOW-BGWC-20	Radium-228	0.719	NA	0.719	UJ	BFH
BOW-BGWC-20	Combined Radium 226 + 228	1.10	NA	1.10	J	BFH
BOW-BGWC-22	Combined Radium 226 + 228	1.60	NA	1.60	J	BFH
BOW-BGWC-34D	Radium-228	1.00	NA	1.00	J	BFH
BOW-BGWC-34D	Combined Radium 226 + 228	2.75	NA	2.75	J	BFH
BOW-BGWC-49D	Combined Radium 226 + 228	2.08	NA	2.08	J	BFH
BOW-BGWC-51	Radium-228	0.813	NA	0.813	UJ	BFH
BOW-BGWC-51	Combined Radium 226 + 228	0.876	NA	0.876	UJ	BFH
BOW-BGWC-7	Radium-228	0.981	NA	0.981	UJ	BFH
BOW-BGWC-7	Combined Radium 226 + 228	1.51	NA	1.51	J	BFH

pCi/L-picocuries per liter
NA-not applicable

4.9 Equipment Blank

Five field blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, BOW-AP1-EB-04 and BOW-AP1-EB-05 were collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and Radium-228 were not detected in the equipment blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 (1.03 pCi/L) was detected in equipment blank, BOW-AP1-EB-01, at a concentration greater than the MDC. Therefore, the radium-228 concentration with a mean difference greater

than 2 and a concentration less than ten times the method blank concentration for radium-228 in the associated sample was J qualified as estimated and combined radium 226 + 228 concentration for the qualified sample was J qualified as estimated.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWA-47D	Radium-228	1.07	NA	1.07	J	BEH
BOW-BGWA-47D	Combined Radium 226 + 228	1.47	NA	1.47	J	BEH

pCi/L-picocuries per liter
NA-not applicable

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. Acceptable precision [mean difference (MD) ≤ 3, RPD < 20% or difference < RL] was demonstrated between the field duplicates and the original samples BOW-BGWA-47D, BOW-BGWC-20, BOW-BGWC-25, BOW-BGWC-37D and BOW-BGWC-41D.

4.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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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

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R

DQM Reason Code	Description
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS

DQM Reason Code	Description
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF

DQM Reason Code	Description
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

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Memorandum

Date: 14 October 2025

To: Mintao Lu

From: Ashley Wilson

CC: K. Henderson

Subject: Stage 2A Data Validation - Level II Data Deliverables – Pace Analytical Services, LLC Project Numbers 92810483 Revision 2 and 92810485

SITE: Plant Bowen Ash Pond 1 (OTH)

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-five aqueous samples, four field duplicates, four equipment blanks and four field blanks collected 31 July and 4-8 & 11-13 August 2025 as part of the Plant Bowen Ash Pond on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Mount Juliet, Tennessee, for the following analytical tests:

- Lithium by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B

The samples were analyzed at Pace Analytical Services, LLC, Asheville, North Carolina, for the following analytical tests:

- Total Dissolved Solids (TDS) by Standard Method (SM 2540C
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0

The samples were analyzed at Pace Analytical Services, LLC, West Columbia, South Carolina, for the following analytical tests:

- Metals by US EPA Methods 3005A/6020B
- Mercury by US EPA Method 7470A

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

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. 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:

- USEPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs		Client IDs
92810483001	92810485001	BOW-BGWA-47D
92810483002	92810485002	BOW-BGWA-48D
92810483003	92810485003	BOW-BGWC-8
92810483004	92810485004	BOW-BGWC-50D
92810483005	92810485005	BOW-AP1-FD-01
92810483006	92810485006	BOW-AP1-FB-01
92810483007	92810485007	BOW-AP1-EB-01
92810483008	92810485008	BOW-BGWC-9
92810483009	92810485009	BOW-BGWC-12
92810483010	92810485010	BOW-BGWC-14A
92810483011	92810485011	BOW-BGWA-2
92810483012	92810485012	BOW-BGWC-7
92810483013	92810485013	BOW-BGWC-10
92810483014	92810485014	BOW-BGWC-16
92810483015	92810485015	BOW-BGWC-17
92810483016	92810485016	BOW-BGWC-18
92810483017	92810485017	BOW-BGWC-19
92810483018	92810485018	BOW-BGWC-20
92810483019	92810485019	BOW-BGWC-22
92810483020	92810485020	BOW-BGWC-25

Laboratory IDs		Client IDs
92810483021	92810485021	BOW-BGWC-30
92810483022	92810485022	BOW-BGWC-34D
92810483023	92810485023	BOW-BGWC-36D
92810483024	92810485024	BOW-BGWC-38D
92810483025	92810485025	BOW-BGWC-43D
92810483026	92810485026	BOW-BGWC-49D
92810483027	92810485027	BOW-AP1-FD-02
92810483028	92810485028	BOW-AP1-FB-02
92810483029	92810485029	BOW-AP1-EB-02
92810483030	92810485030	BOW-BGWC-21
92810483031	92810485031	BOW-BGWC-23
92810483032	92810485032	BOW-BGWC-24
92810483033	92810485033	BOW-BGWC-31
92810483034	92810485034	BOW-BGWC-35D
92810483035	92810485035	BOW-BGWC-40
92810483036	92810485036	BOW-BGWC-52
92810483037	92810485037	BOW-BGWC-53D
92810483038	92810485038	BOW-PZ-7
92810483039	92810485039	BOW-AP1-FD-03
92810483040	92810485040	BOW-AP1-FD-04

Laboratory IDs		Client IDs
92810483041	92810485041	BOW-AP1-FB-03
92810483042	92810485042	BOW-AP1-FB-04
92810483043	92810485043	BOW-AP1-EB-03
92810483044	92810485044	BOW-AP1-EB-04

Laboratory IDs		Client IDs
92810483045	92810485045	BOW-BGWA-29
92810483046	92810485046	BOW-BGWC-32
92810483047	92810485047	BOW-BGWC-51

The samples were received within 0-6 degrees Celsius (ºC). No sample preservation issues were noted by the laboratory.

Laboratory report 92810483 was revised on October 10, 2025, and referred to as 92810483, Revision 2. The laboratory narrative noted the matrix spike (MS) recovery of mercury in the MS/matrix spike duplicate (MSD) pair using sample BOW-BGWC-19 (92810483017) was ND but the MSD recovery was within laboratory specified acceptance criteria. The lab re-checked and re-ran the data. The MS recovery is now reporting at 0.0019 milligrams per liter (mg/L) with the MS recovery at 96%, within the recovery limits.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3015/6020B 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

1.1 Overall Assessment

The metals data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total

number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a 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). The metals were not detected in the method blanks at or above the method detection limits (MDLs), with the following exception.

The laboratory noted that thallium in batch 954880 was detected in an associated instrument blank at a concentration greater than half the reporting limit (RL) but below the RL. The concentration in the method blank was below the RL and was reported. Since thallium was not detected in the associated samples, no qualifications were applied to the data.

1.4 Matrix Spike/Matrix Spike Duplicate

Four sample set specific MS/MSD pairs were reported, using samples BOW-BGWA-2, BOW-BGWC-21, BOW-BGWC-30 and BOW-BGWC-23. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of selenium in the MS/MSD pair using sample BOW-BGWC-23 were low and outside of the laboratory specified acceptance criteria. Therefore, the concentration of selenium in sample BOW-BGWC-23 was J- qualified as estimated with a low bias. Since the selenium concentration for sample BOW-BGWC-23 was estimated greater than the MDL and less than the RL, the final qualification for the selenium concentration for sample BOW-BGWC-23 was J qualified as estimated.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

An MS/MSD pair was not reported for batch 2577749. Accuracy was assessed using the laboratory control sample (LCS) for batch 2577749; however, precision QC was not reported.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BOW-BGWC-23	Selenium	0.0034	J, M1	0.0034	J	MS1

mg/L-milligrams per liter
J-The result is less than the reporting limit, but greater than or equal to the method detection limit, and the concentration is an approximate value
M1-Laboratory flag indicating the matrix spike recovery exceeded laboratory specified acceptance criteria
* 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

1.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported with each batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

Four field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03 and BOW-AP1-FB-04 were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs, with the following exception.

Boron (0.015 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in BOW-AP1-FB-02. Therefore, the estimated concentration in associated sample BOW-BGWA-2 was U qualified as estimated below the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWA-2	Boron	0.013	J	0.040	U	BFL

mg/L-milligrams per liter
J-The result is less than the reporting limit, but greater than or equal to the method detection limit, and the concentration is an approximate value

1.7 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. Metals were not detected in the equipment blanks at or above the MDLs, with the following exception.

Boron (0.0074 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in BOW-AP1-EB-02. Since the sample associated with this blank were previously qualified due to field blank contaminations, no additional qualifications were applied to the data.

1.8 Field Duplicate

Four field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03 and BOW-AP1-FD-04 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-BGWC-8, BOW-BGWC-30, BOW-BGWC-31 and BOW-BGWC-52.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

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

2.1 Overall Assessment

The mercury data reported in this data set are considered usable for supporting project objectives. The analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Mercury was not detected in the method blanks at or 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-BGWC-14A, BOW-BGWC-19 and BOW-AP1-FD-04. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria, with the following exceptions.

The LCS recovery of mercury in batch 953242 was high and outside of laboratory specified acceptance criteria. Therefore, the concentrations of mercury in the associated samples were J+ qualified as estimated with a high bias.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BOW-BGWC-17	Mercury	0.00037	L1	0.00037	J+	LS1
BOW-BGWC-20	Mercury	0.0018	L1	0.0018	J+	LS1
BOW-BGWC-38D	Mercury	0.00026	L1	0.00026	J+	LS1

mg/L-milligrams per liter
L1-Analyte recovery in the laboratory control sample was above quality control limits. Results for this analyte in associated samples may be biased high.

2.6 Field Blank

Four field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03 and BOW-AP1-FB-04 were collected with the sample set. Mercury was not detected in the field blanks at or above the MDL.

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 at or above the MDL.

2.8 Field Duplicate

Four field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03 and BOW-AP1-FD-04 were collected with the sample set. Acceptable precision (RPD < 20% or difference < RL) was demonstrated between the field duplicates and the original samples BOW-BGWC-8, BOW-BGWC-30, BOW-BGWC-31 and BOW-BGWC-52.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for TDS by Standard Method 2540C 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

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.1.2 Analysis Anomaly

The TDS concentrations for samples BOW-BGWC-20 and BOW-BGWC-40 were flagged 2g and 1g, respectively, indicating constant weight could not be achieved for this sample after 4 drying cycles. Therefore, the TDS concentrations for samples BOW-BGWC-20 and BOW-BGWC-40 were J qualified as estimated.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	DQM Reason Code(s)
BOW-BGWC-20	TDS	1420	2g	1420	J	OT1
BOW-BGWC-40	TDS	506	1g	506	J	OT1

mg/L- milligram per liter
1g Constant weight could not be achieved for this sample after 4 drying cycles.
2g Constant weight could not be achieved for this sample after 4 drying cycles.

3.2 Holding Times

The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the anions (chloride, fluoride, and sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The wet chemistry parameters were not detected in the method blanks at or 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).

Sample set specific MS/MSD pair was reported for anions using samples BOW-AP1-FB-01, BOW-BGWC-9, BOW-BGWC-17, BOW-BGWC-18, BOW-BGWC-49D, BOW-BGWC-21, BOW-AP1-FD-04 and BOW-BGWC-32.

The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The MSD recovery of sulfate in the MS/MSD pair using sample BOW-BGWC-21 was low and outside of laboratory specified acceptance criteria. In addition, the RPD of sulfate in sample BOW-BGWC-21 was outside of laboratory specified acceptance criteria. Therefore, the concentration of sulfate in sample BOW-BGWC-21 was J qualified as estimated.

The recoveries of sulfate in the MS/MSD pairs using samples BOW-BGWC-9, BOW-BGWC-17, BOW-BGWC-18 and BOW-AP1-FD-04 were low and outside the laboratory specified acceptance criteria. Therefore, the concentrations of sulfate in samples BOW-BGWC-9, BOW-BGWC-17, BOW-BGWC-18 and BOW-AP1-FD-04 were J- qualified as estimated with low bias.

The recoveries of chloride and sulfate in the MS/MSD pair using sample BOW-BGWC-49D were low and outside the laboratory specified acceptance criteria. Since the concentrations of chloride and sulfate in sample BOW-BGWC-49D were greater than four times the spike concentrations, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	DQM Reason Code(s)
BOW-BGWC-49D	Sulfate	205	M1	205	NA$^{\beta}$	MS3
BOW-BGWC-49D	Chloride	418	M1	418	NA$^{\beta}$	MS3

mg/L- milligram per liter
M1-Laboratory flag indicating that the matrix spike recovery exceeded quality control limits.
NA$^{\beta}$-Not applicable. The laboratory flag was removed, and no qualifications were applied to the data based on this validation.

The recoveries of chloride and sulfate in the MS/MSD pair using sample BOW-BGWC-32 were low and outside the laboratory specified acceptance criteria. Therefore, the concentrations of chloride and sulfate in sample BOW-BGWC-32 were J- qualified as estimated with a low bias.

Batch MS/MSD pairs were also reported for alkalinity, sulfide, and anions. Since these were batch QC there was no impact on the data and qualifications were not applied.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-AP1-FD-04	Sulfate	74.7	M1	74.7	J-	MS1
BOW-BGWC-17	Sulfate	132	M1	132	J-	MS1

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-18	Sulfate	56.9	M1	56.9	J-	MS1
BOW-BGWC-21	Sulfate	52.2	R1, M1	52.2	J	MS1|MS2
BOW-BGWC-32	Sulfate	157	M1	157	J-	MS1
BOW-BGWC-32	Chloride	177	M1	177	J-	MS1
BOW-BGWC-9	Sulfate	80.3	M1	80.3	J-	MS1

mg/L-milligrams per liter
J-Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
M1-Laboratory flag indicating the matrix spike recovery exceeded laboratory specified acceptance criteria
R1-Laboratory flag indicating the matrix spike relative percent difference 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). The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Sample set specific laboratory duplicates were reported for TDS using samples BOW-BGWA-48D, BOW-BGWC-16, BOW-BGWC-36D, BOW-BGWC-38D and BOW-AP1-FB-04. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were also reported for TDS. Since these were batch QC, there was no impact on the data and qualifications were not applied.

3.7 Field Blank

Four field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03 and BOW-AP1-FB-04 were collected with the sample set. The wet chemistry parameters were not detected in the field blanks at or above the MDLs.

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 at or above the MDLs.

3.9 Field Duplicate

Four field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03 and BOW-AP1-FD-04 were collected with the sample set. Acceptable precision (RPD < 20% or difference < RL) was demonstrated between the field duplicates and the original samples BOW-BGWC-8, BOW-BGWC-30, BOW-BGWC-31, and BOW-BGWC-52, with the following exception.

The sulfate RPD for field duplicate pair BOW-AP1-FD-03/BOW-BGWC-31 were greater than 20%. Therefore, these concentrations in this field duplicate pair were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-AP1-FD-03	Sulfate	88.3	NA	25	88.3	J	RPDF1
BOW-BGWC-31	Sulfate	114	NA		114	J	RPDF1

mg/L-milligrams per liter
NA-not applicable

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.

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

4.1 Overall Assessment

4.1.1 Completeness

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%.

4.1.2 Analysis Anomaly

Total radium was reported at the minimum detectable concentration (MDC), for radium-226 and radium-228. Radium-226 was detected greater than the MDC in samples BOW-BGWA-2, BOW-BGWC-7, BOW-AP1-FD-02, BOW-AP1-FD-03, BOW-BGWA-47D, BOW-BGWA-48D, BOW-BGWC-10, BOW-BGWC-18, BOW-BGWC-20, BOW-BGWC-24, BOW-BGWC-30, BOW-BGWC-36D, BOW-BGWC-50D and BOW-BGWC-53D. Since total radium is calculated from radium-226 and radium-228, and radium-226 was greater than the MDC, and based on professional and technical judgment, the total radium concentrations for these samples were reported with no qualifications.

The radium-226 result for sample BOW-AP1-FB-01 was more negative than the uncertainty; therefore, the radium-226 and total radium results for sample BOW-AP1-FB-01 were UJ qualified as estimated less than the MDCs.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWA-2	Combined Radium 226 + 228	0.541	U	0.541	NA$^{\beta}$	RO1
BOW-BGWC-7	Combined Radium 226 + 228	1.06	U	1.06	NA$^{\beta}$	RO1
BOW-AP1-FD-02	Combined Radium 226 + 228	0.571	U	0.571	NA$^{\beta}$	RO1
BOW-AP1-FD-03	Combined Radium 226 + 228	0.936	U	0.936	NA$^{\beta}$	RO1
BOW-BGWA-47D	Combined Radium 226 + 228	0.923	U	0.923	NA$^{\beta}$	RO1
BOW-BGWA-48D	Combined Radium 226 + 228	0.736	U	0.736	NA$^{\beta}$	RO1
BOW-BGWC-10	Combined Radium 226 + 228	1.08	U	1.08	NA$^{\beta}$	RO1

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWC-18	Combined Radium 226 + 228	0.697	U	0.697	NA$^{\beta}$	RO1
BOW-BGWC-20	Combined Radium 226 + 228	0.946	U	0.946	NA$^{\beta}$	RO1
BOW-BGWC-24	Combined Radium 226 + 228	0.669	U	0.669	NA$^{\beta}$	RO1
BOW-BGWC-30	Combined Radium 226 + 228	0.486	U	0.486	NA$^{\beta}$	RO1
BOW-BGWC-36D	Combined Radium 226 + 228	1.50	U	1.50	NA$^{\beta}$	RO1
BOW-BGWC-50D	Combined Radium 226 + 228	1.11	U	1.11	NA$^{\beta}$	RO1
BOW-BGWC-53D	Combined Radium 226 + 228	0.933	U	0.933	NA$^{\beta}$	RO1
BOW-AP1-FB-01	Radium-226	-0.107	U	-0.107	UJ	RO1
BOW-AP1-FB-01	Combined Radium 226 + 228	0.005559	U	0.00559	UJ	RO1

pCi/L-picocuries per liter
U-not detected at or above the minimum detectable concentration
NA$^{\beta}$-Not applicable. The laboratory flag was removed, and no qualifications were applied to the data based on this validation.

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). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 [0.566 picocuries per liter (pCi/L)] was detected in the method blank in batch 762110 at a concentration greater than the measured 2σ uncertainty. Since radium-228 was not detected in the associated samples at concentrations greater than the MDC, no qualifications were applied to the data.

Radium-228 (0.913 pCi/L) was detected in the method blank in batch 764913 at a concentration greater than the measured 2σ uncertainty. Therefore, the radium-228 concentrations with a mean difference (MD) greater than 2 and a concentration less than ten times the method blank concentration for radium-226 in the associated samples were J qualified as estimated and the

radium concentrations with a MD less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for sample BOW-BGWC-35D were J qualified as estimated and the combined radium 226 + 228 concentration for sample BOW-BGWC-52 was UJ qualified as not statistically distinguishable from the blank.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWC-35D	Radium-228	0.979	NA	0.979	UJ	BC1
BOW-BGWC-35D	Combined Radium 226 + 228	2.08	NA	2.08	J	BC1
BOW-BGWC-52	Radium-228	1.15	NA	1.15	UJ	BC1
BOW-BGWC-52	Combined Radium 226 + 228	1.15	NA	1.15	UJ	BC1

pCi/L-picocuries per liter
U-not detected at or above the minimum detectable concentration
NA-not applicable

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). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and replicate error ratio (2 sigma) results were within the laboratory specified acceptance criteria.

4.6 Laboratory Duplicate

Sample set specific laboratory duplicates were reported for radium-226 using sample BOW-AP1-EB-01, BOW-AP1-FD-02, BOW-AP1-EB-02, BOW-AP1-FB-03, and BOW-BGWC-51. The RPD results were within the laboratory specified acceptance criteria.

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

Four field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03 and BOW-AP1-FB-04 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 at or above the measured 2σ uncertainty or the MDC.

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 radium-226 and radium-228. Radium-226 and Radium-228 were not detected in the equipment blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 (0.574 pCi/L) was detected in BOW-AP1-EB-01 at a concentration greater than the measured 2σ uncertainty. Since radium-228 was not detected in the associated samples at concentrations greater than the MDC, no qualifications were applied to the data.

4.10 Field Duplicate

Four field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03 and BOW-AP1-FD-04 were collected with the sample set. Acceptable precision (MD ≤ 3, RPD < 20% or difference < RL) was demonstrated between the field duplicates and the original samples BOW-BGWC-8, BOW-BGWC-30, BOW-BGWC-31 and BOW-BGWC-52, with the following exceptions.

The MD for radium-228 was greater than 3 in field duplicate pair BOW-BGWC-52/BOW-AP1-FD-04. Since the radium-228 concentration for sample BOW-BGWC-52 was UJ qualified due to method blank contamination and the radium-228 concentration for BOW-AP1-FD-04 was less than the MDC, no additional qualifications were applied to the data.

4.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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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

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R

DQM Reason Code	Description
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS

DQM Reason Code	Description
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF

DQM Reason Code	Description
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 2/4/2025 1:18:12 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWA-47D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 144.96 ft** **Total Depth: 154.96 ft** **Initial Depth to Water: 59.73 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 149.96 ft** **Estimated Total Volume Pumped: 3900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/4/2025 1:18 PM	00:00	6.95 pH	19.70 °C	615.07 µS/cm	0.81 mg/L	2.94 NTU	74.0 mV	59.73 ft	130.00 ml/min
2/4/2025 1:23 PM	05:00	6.94 pH	19.68 °C	616.48 µS/cm	0.71 mg/L	3.44 NTU	76.2 mV	59.73 ft	130.00 ml/min
2/4/2025 1:28 PM	10:00	6.94 pH	19.79 °C	619.30 µS/cm	0.66 mg/L	3.14 NTU	72.8 mV	59.73 ft	130.00 ml/min
2/4/2025 1:33 PM	15:00	6.95 pH	19.65 °C	618.73 µS/cm	0.64 mg/L	2.22 NTU	72.3 mV	59.73 ft	130.00 ml/min
2/4/2025 1:38 PM	20:00	6.95 pH	19.53 °C	618.13 µS/cm	0.63 mg/L	2.25 NTU	71.9 mV	59.73 ft	130.00 ml/min
2/4/2025 1:43 PM	25:00	6.95 pH	19.67 °C	619.60 µS/cm	0.63 mg/L	1.55 NTU	71.8 mV	59.73 ft	130.00 ml/min
2/4/2025 1:48 PM	30:00	6.95 pH	19.84 °C	617.19 µS/cm	0.62 mg/L	1.51 NTU	71.3 mV	59.73 ft	130.00 ml/min

Samples

Sample ID:	Description:
BGWA-47D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium
FD-01	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/4/2025 1:31:55 PM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWA-48D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 184.79 ft** **Total Depth: 194.79 ft** **Initial Depth to Water: 59.57 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 189.79 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 3.64 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

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	
2/4/2025 1:31 PM	00:00	7.55 pH	19.68 °C	495.52 µS/cm	0.74 mg/L	1.14 NTU	-112.4 mV	61.73 ft	0.24 PSU	125.00 ml/min
2/4/2025 1:36 PM	05:00	7.54 pH	19.19 °C	498.85 µS/cm	0.62 mg/L	0.70 NTU	-136.2 mV	62.06 ft	0.24 PSU	125.00 ml/min
2/4/2025 1:41 PM	10:00	7.55 pH	19.28 °C	469.81 µS/cm	0.57 mg/L	0.40 NTU	-134.7 mV	62.39 ft	0.23 PSU	125.00 ml/min
2/4/2025 1:46 PM	15:00	7.56 pH	19.35 °C	453.97 µS/cm	0.52 mg/L	0.58 NTU	-139.8 mV	62.66 ft	0.22 PSU	125.00 ml/min
2/4/2025 1:51 PM	20:00	7.55 pH	19.17 °C	449.39 µS/cm	0.48 mg/L	0.64 NTU	-143.4 mV	62.87 ft	0.22 PSU	125.00 ml/min
2/4/2025 1:56 PM	25:00	7.55 pH	19.28 °C	448.09 µS/cm	0.45 mg/L	0.62 NTU	-146.2 mV	63.03 ft	0.22 PSU	125.00 ml/min
2/4/2025 2:01 PM	30:00	7.55 pH	19.29 °C	452.77 µS/cm	0.43 mg/L	0.61 NTU	-147.7 mV	63.21 ft	0.22 PSU	125.00 ml/min

Samples

Sample ID:	Description:
BGWC-48D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/4/2025 1:47:41 PM
Project: Plant Bowen AP February 2025
Operator Name: Jay Siewert

Location Name: BGWA-6 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.74 ft** **Total Depth: 62.74 ft** **Initial Depth to Water: 44.49 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 57.74 ft** **Estimated Total Volume Pumped: 3300 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 2.19 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
2/4/2025 1:47 PM	00:00	7.16 pH	19.50 °C	561.47 µS/cm	0.74 mg/L	0.75 NTU	168.0 mV	46.66 ft	0.27 PSU	110.00 ml/min
2/4/2025 1:52 PM	05:00	7.17 pH	19.66 °C	557.22 µS/cm	0.72 mg/L	1.26 NTU	163.4 mV	46.68 ft	0.27 PSU	110.00 ml/min
2/4/2025 1:57 PM	10:00	7.17 pH	19.66 °C	555.49 µS/cm	0.60 mg/L	1.12 NTU	149.5 mV	46.66 ft	0.27 PSU	110.00 ml/min
2/4/2025 2:02 PM	15:00	7.18 pH	19.75 °C	551.97 µS/cm	0.56 mg/L	1.07 NTU	140.7 mV	46.68 ft	0.27 PSU	110.00 ml/min
2/4/2025 2:07 PM	20:00	7.18 pH	19.80 °C	548.84 µS/cm	0.48 mg/L	1.17 NTU	134.7 mV	46.68 ft	0.27 PSU	110.00 ml/min
2/4/2025 2:12 PM	25:00	7.19 pH	19.88 °C	546.44 µS/cm	0.40 mg/L	0.94 NTU	126.2 mV	46.68 ft	0.27 PSU	110.00 ml/min
2/4/2025 2:17 PM	30:00	7.19 pH	19.84 °C	544.28 µS/cm	0.38 mg/L	0.36 NTU	117.8 mV	46.68 ft	0.27 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWA-6	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/5/2025 10:00:41 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 69.73 ft** **Total Depth: 79.73 ft** **Initial Depth to Water: 48.38 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 74.73 ft** **Estimated Total Volume Pumped: 2600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/5/2025 10:00 AM	00:00	7.63 pH	16.77 °C	319.03 µS/cm	5.04 mg/L	4.85 NTU	70.4 mV	48.38 ft	130.00 ml/min
2/5/2025 10:05 AM	05:00	7.63 pH	16.77 °C	318.83 µS/cm	4.95 mg/L	3.57 NTU	81.0 mV	48.38 ft	130.00 ml/min
2/5/2025 10:10 AM	10:00	7.63 pH	16.85 °C	319.66 µS/cm	4.92 mg/L	2.66 NTU	64.3 mV	48.38 ft	130.00 ml/min
2/5/2025 10:15 AM	15:00	7.65 pH	16.90 °C	320.25 µS/cm	4.88 mg/L	2.00 NTU	62.7 mV	48.38 ft	130.00 ml/min
2/5/2025 10:20 AM	20:00	7.64 pH	16.91 °C	321.16 µS/cm	4.86 mg/L	1.64 NTU	62.3 mV	48.38 ft	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-8	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/5/2025 10:24:52 AM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-50D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 177.28 ft** **Total Depth: 187.28 ft** **Initial Depth to Water: 48.52 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 182.28 ft** **Estimated Total Volume Pumped: 3450 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 115 ml/min** **Final Draw Down: 2.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

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	
2/5/2025 10:24 AM	00:00	7.43 pH	17.18 °C	1,164.7 µS/cm	1.03 mg/L	0.28 NTU	-89.2 mV	50.26 ft	0.58 PSU	115.00 ml/min
2/5/2025 10:29 AM	05:00	7.40 pH	17.00 °C	1,212.6 µS/cm	0.62 mg/L	0.50 NTU	-138.0 mV	50.37 ft	0.61 PSU	115.00 ml/min
2/5/2025 10:34 AM	10:00	7.41 pH	17.18 °C	1,231.6 µS/cm	0.52 mg/L	0.53 NTU	-123.3 mV	50.49 ft	0.62 PSU	115.00 ml/min
2/5/2025 10:39 AM	15:00	7.43 pH	17.22 °C	1,238.2 µS/cm	0.47 mg/L	0.28 NTU	-127.7 mV	50.54 ft	0.62 PSU	115.00 ml/min
2/5/2025 10:44 AM	20:00	7.43 pH	17.31 °C	1,226.0 µS/cm	0.43 mg/L	0.27 NTU	-129.7 mV	50.58 ft	0.62 PSU	115.00 ml/min
2/5/2025 10:49 AM	25:00	7.43 pH	17.36 °C	1,195.7 µS/cm	0.40 mg/L	0.23 NTU	-130.4 mV	50.63 ft	0.60 PSU	115.00 ml/min
2/5/2025 10:54 AM	30:00	7.44 pH	17.37 °C	1,170.4 µS/cm	0.37 mg/L	0.29 NTU	-131.8 mV	50.65 ft	0.59 PSU	115.00 ml/min

Samples

Sample ID:	Description:
BGWC-50D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 11:36:03 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.74 ft** **Total Depth: 63.74 ft** **Initial Depth to Water: 33.69 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 58.74 ft** **Estimated Total Volume Pumped: 7800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
2/5/2025 11:36 AM	00:00	7.11 pH	17.44 °C	661.90 µS/cm	0.71 mg/L	12.80 NTU	-7.6 mV	33.76 ft	0.32 PSU	130.00 ml/min
2/5/2025 11:41 AM	05:00	7.21 pH	17.47 °C	641.95 µS/cm	0.84 mg/L	9.13 NTU	-19.3 mV	33.76 ft	0.31 PSU	130.00 ml/min
2/5/2025 11:46 AM	10:00	7.23 pH	17.53 °C	639.38 µS/cm	0.81 mg/L	7.17 NTU	-29.4 mV	33.76 ft	0.31 PSU	130.00 ml/min
2/5/2025 11:51 AM	15:00	7.25 pH	17.53 °C	629.17 µS/cm	0.90 mg/L	5.80 NTU	-38.1 mV	33.76 ft	0.31 PSU	130.00 ml/min
2/5/2025 11:56 AM	20:00	7.27 pH	17.57 °C	619.23 µS/cm	1.05 mg/L	4.22 NTU	-42.8 mV	33.76 ft	0.30 PSU	130.00 ml/min
2/5/2025 12:01 PM	25:00	7.29 pH	17.56 °C	610.21 µS/cm	1.18 mg/L	3.38 NTU	-45.3 mV	33.76 ft	0.30 PSU	130.00 ml/min
2/5/2025 12:06 PM	30:00	7.29 pH	17.71 °C	606.19 µS/cm	1.24 mg/L	3.38 NTU	-45.9 mV	33.76 ft	0.30 PSU	130.00 ml/min
2/5/2025 12:11 PM	35:00	7.29 pH	17.97 °C	598.04 µS/cm	1.35 mg/L	2.47 NTU	-45.6 mV	33.76 ft	0.29 PSU	130.00 ml/min
2/5/2025 12:16 PM	40:00	7.30 pH	18.04 °C	592.49 µS/cm	1.46 mg/L	2.24 NTU	-43.9 mV	33.76 ft	0.29 PSU	130.00 ml/min
2/5/2025 12:21 PM	45:00	7.30 pH	18.15 °C	587.17 µS/cm	1.56 mg/L	3.04 NTU	-41.8 mV	33.76 ft	0.29 PSU	130.00 ml/min
2/5/2025 12:26 PM	50:00	7.30 pH	18.13 °C	584.71 µS/cm	1.61 mg/L	2.14 NTU	-39.9 mV	33.76 ft	0.29 PSU	130.00 ml/min
2/5/2025 12:31 PM	55:00	7.29 pH	18.30 °C	582.01 µS/cm	1.70 mg/L	1.64 NTU	-37.7 mV	33.76 ft	0.28 PSU	130.00 ml/min
2/5/2025 12:36 PM	01:00:00	7.29 pH	18.24 °C	580.31 µS/cm	1.74 mg/L	1.61 NTU	-35.5 mV	33.76 ft	0.28 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-9	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 12:48:19 PM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-44D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 132.79 ft** **Total Depth: 142.79 ft** **Initial Depth to Water: 47.32 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 137.79 ft** **Estimated Total Volume Pumped: 5175 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 115 ml/min** **Final Draw Down: 6.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-purged 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	
2/5/2025 12:48 PM	00:00	7.67 pH	20.12 °C	584.29 µS/cm	0.53 mg/L	0.10 NTU	-124.8 mV	50.43 ft	0.29 PSU	115.00 ml/min
2/5/2025 12:53 PM	05:00	7.67 pH	18.74 °C	602.68 µS/cm	0.45 mg/L	0.09 NTU	-157.9 mV	50.59 ft	0.30 PSU	115.00 ml/min
2/5/2025 12:58 PM	10:00	7.68 pH	18.58 °C	603.72 µS/cm	0.38 mg/L	0.09 NTU	-137.1 mV	51.29 ft	0.30 PSU	115.00 ml/min
2/5/2025 1:03 PM	15:00	7.68 pH	18.76 °C	603.90 µS/cm	0.33 mg/L	0.06 NTU	-141.4 mV	51.68 ft	0.30 PSU	115.00 ml/min
2/5/2025 1:08 PM	20:00	7.68 pH	19.05 °C	600.16 µS/cm	0.30 mg/L	0.05 NTU	-146.0 mV	52.17 ft	0.29 PSU	115.00 ml/min
2/5/2025 1:13 PM	25:00	7.68 pH	18.75 °C	602.45 µS/cm	0.29 mg/L	0.03 NTU	-148.7 mV	52.54 ft	0.30 PSU	115.00 ml/min
2/5/2025 1:18 PM	30:00	7.68 pH	18.58 °C	599.12 µS/cm	0.29 mg/L	0.10 NTU	-149.3 mV	52.86 ft	0.29 PSU	115.00 ml/min
2/5/2025 1:23 PM	35:00	7.68 pH	18.67 °C	597.26 µS/cm	0.28 mg/L	0.10 NTU	-150.4 mV	53.14 ft	0.29 PSU	115.00 ml/min
2/5/2025 1:28 PM	40:00	7.67 pH	18.72 °C	593.11 µS/cm	0.29 mg/L	0.10 NTU	-150.1 mV	53.44 ft	0.29 PSU	115.00 ml/min
2/5/2025 1:33 PM	45:00	7.65 pH	18.76 °C	589.77 µS/cm	0.29 mg/L	0.08 NTU	-149.3 mV	53.63 ft	0.29 PSU	115.00 ml/min

Samples

Sample ID:	Description:
BGWC-44D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 1:52:03 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 68.28 ft** **Total Depth: 78.28 ft** **Initial Depth to Water: 41.48 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 73.28 ft** **Estimated Total Volume Pumped: 6300 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 0.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged:2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
2/5/2025 1:52 PM	00:00	6.96 pH	18.69 °C	1,431.5 µS/cm	1.42 mg/L	0.74 NTU	3.1 mV	42.00 ft	0.73 PSU	180.00 ml/min
2/5/2025 1:57 PM	05:00	6.97 pH	18.59 °C	1,405.3 µS/cm	1.36 mg/L	0.51 NTU	2.7 mV	42.13 ft	0.71 PSU	180.00 ml/min
2/5/2025 2:02 PM	10:00	6.95 pH	19.22 °C	1,423.4 µS/cm	1.13 mg/L	1.07 NTU	2.6 mV	41.98 ft	0.72 PSU	180.00 ml/min
2/5/2025 2:07 PM	15:00	6.94 pH	19.03 °C	1,432.2 µS/cm	1.01 mg/L	0.57 NTU	4.7 mV	42.03 ft	0.73 PSU	180.00 ml/min
2/5/2025 2:12 PM	20:00	6.93 pH	18.99 °C	1,436.3 µS/cm	0.99 mg/L	0.60 NTU	5.3 mV	42.03 ft	0.73 PSU	180.00 ml/min
2/5/2025 2:17 PM	25:00	6.93 pH	18.79 °C	1,453.8 µS/cm	0.98 mg/L	0.51 NTU	6.2 mV	42.03 ft	0.74 PSU	180.00 ml/min
2/5/2025 2:22 PM	30:00	6.92 pH	18.86 °C	1,459.4 µS/cm	0.98 mg/L	0.49 NTU	7.1 mV	42.03 ft	0.74 PSU	180.00 ml/min
2/5/2025 2:27 PM	35:00	6.92 pH	18.88 °C	1,467.6 µS/cm	0.97 mg/L	0.44 NTU	7.7 mV	42.03 ft	0.74 PSU	180.00 ml/min

Samples

Sample ID:	Description:
BGWC-12	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/5/2025 3:26:35 PM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-36D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 86.35 ft** **Total Depth: 96.35 ft** **Initial Depth to Water: 31.67 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 91.35 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: -0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

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	
2/5/2025 3:26 PM	00:00	7.38 pH	22.68 °C	1,211.7 µS/cm	1.09 mg/L	0.39 NTU	2.0 mV	31.65 ft	0.61 PSU	175.00 ml/min
2/5/2025 3:31 PM	05:00	7.40 pH	21.59 °C	1,233.6 µS/cm	0.96 mg/L	0.28 NTU	5.2 mV	31.66 ft	0.62 PSU	175.00 ml/min
2/5/2025 3:36 PM	10:00	7.40 pH	21.52 °C	1,230.6 µS/cm	0.86 mg/L	0.26 NTU	13.5 mV	31.66 ft	0.62 PSU	175.00 ml/min
2/5/2025 3:41 PM	15:00	7.41 pH	21.42 °C	1,218.2 µS/cm	0.68 mg/L	0.18 NTU	14.2 mV	31.66 ft	0.61 PSU	175.00 ml/min
2/5/2025 3:46 PM	20:00	7.42 pH	21.38 °C	1,214.3 µS/cm	0.61 mg/L	0.17 NTU	14.2 mV	31.66 ft	0.61 PSU	175.00 ml/min
2/5/2025 3:51 PM	25:00	7.41 pH	21.39 °C	1,212.0 µS/cm	0.59 mg/L	0.15 NTU	15.5 mV	31.66 ft	0.61 PSU	175.00 ml/min
2/5/2025 3:56 PM	30:00	7.41 pH	21.43 °C	1,212.8 µS/cm	0.60 mg/L	0.02 NTU	16.1 mV	31.66 ft	0.61 PSU	175.00 ml/min
2/5/2025 4:01 PM	35:00	7.41 pH	21.42 °C	1,210.3 µS/cm	0.60 mg/L	0.08 NTU	16.9 mV	31.66 ft	0.61 PSU	175.00 ml/min
2/5/2025 4:06 PM	40:00	7.41 pH	21.44 °C	1,209.3 µS/cm	0.60 mg/L	0.09 NTU	17.3 mV	31.66 ft	0.61 PSU	175.00 ml/min

Samples

Sample ID:	Description:
BGWC-36D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 3:42:30 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-14A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 89.46 ft** **Total Depth: 99.46 ft** **Initial Depth to Water: 71.25 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 94.46 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
2/5/2025 3:42 PM	00:00	7.02 pH	19.26 °C	1,385.1 µS/cm	3.19 mg/L	0.08 NTU	21.1 mV	71.30 ft	0.70 PSU	140.00 ml/min
2/5/2025 3:47 PM	05:00	6.91 pH	18.67 °C	1,336.3 µS/cm	1.02 mg/L	0.09 NTU	23.6 mV	71.30 ft	0.67 PSU	140.00 ml/min
2/5/2025 3:52 PM	10:00	6.90 pH	18.45 °C	1,332.0 µS/cm	0.59 mg/L	0.04 NTU	23.9 mV	71.30 ft	0.67 PSU	140.00 ml/min
2/5/2025 3:57 PM	15:00	6.89 pH	18.44 °C	1,332.4 µS/cm	0.48 mg/L	0.60 NTU	25.0 mV	71.30 ft	0.67 PSU	140.00 ml/min
2/5/2025 4:02 PM	20:00	6.89 pH	18.38 °C	1,333.1 µS/cm	0.42 mg/L	0.04 NTU	25.1 mV	71.30 ft	0.67 PSU	140.00 ml/min
2/5/2025 4:07 PM	25:00	6.89 pH	18.40 °C	1,333.8 µS/cm	0.39 mg/L	0.03 NTU	25.4 mV	71.30 ft	0.67 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-14A	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/6/2025 9:51:50 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.73 ft** **Total Depth: 49.73 ft** **Initial Depth to Water: 16.91 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 44.73 ft** **Estimated Total Volume Pumped: 7975 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 145 ml/min** **Final Draw Down: 7.99 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 4L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
2/6/2025 9:51 AM	00:00	6.99 pH	17.99 °C	1,881.6 µS/cm	1.27 mg/L	0.01 NTU	63.7 mV	22.17 ft	0.97 PSU	145.00 ml/min
2/6/2025 9:56 AM	05:00	7.02 pH	17.93 °C	1,877.5 µS/cm	0.98 mg/L	0.16 NTU	66.5 mV	22.53 ft	0.96 PSU	145.00 ml/min
2/6/2025 10:01 AM	10:00	7.05 pH	17.91 °C	1,881.6 µS/cm	0.88 mg/L	0.09 NTU	56.6 mV	23.00 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:06 AM	15:00	7.06 pH	17.93 °C	1,883.1 µS/cm	0.83 mg/L	0.11 NTU	52.9 mV	23.33 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:11 AM	20:00	7.07 pH	17.92 °C	1,886.4 µS/cm	0.79 mg/L	0.10 NTU	48.6 mV	23.68 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:16 AM	25:00	7.09 pH	17.92 °C	1,892.6 µS/cm	0.79 mg/L	0.13 NTU	44.9 mV	23.87 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:21 AM	30:00	7.10 pH	17.93 °C	1,896.5 µS/cm	0.80 mg/L	0.14 NTU	40.7 mV	24.11 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:26 AM	35:00	7.11 pH	17.90 °C	1,891.1 µS/cm	0.82 mg/L	0.14 NTU	37.4 mV	24.31 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:31 AM	40:00	7.13 pH	17.91 °C	1,888.1 µS/cm	0.81 mg/L	0.04 NTU	33.4 mV	24.48 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:36 AM	45:00	7.14 pH	17.91 °C	1,886.2 µS/cm	0.81 mg/L	0.12 NTU	30.1 mV	24.64 ft	0.97 PSU	145.00 ml/min
2/6/2025 10:41 AM	50:00	7.15 pH	17.92 °C	1,880.4 µS/cm	0.80 mg/L	0.18 NTU	26.9 mV	24.80 ft	0.96 PSU	145.00 ml/min
2/6/2025 10:46 AM	55:00	7.16 pH	17.93 °C	1,873.7 µS/cm	0.79 mg/L	0.03 NTU	23.9 mV	24.90 ft	0.96 PSU	145.00 ml/min

Samples

Sample ID:	Description:

BGWC-20	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium
FD-02	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/6/2025 9:54:13 AM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80.4 ft** **Total Depth: 90.4 ft** **Initial Depth to Water: 65.76 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 85.4 ft** **Estimated Total Volume Pumped: 280 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Complete evac performed on 2/5/25.

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	
2/6/2025 9:54 AM	00:00	7.25 pH	19.11 °C	899.06 µS/cm	3.48 mg/L	0.75 NTU	61.4 mV	65.76 ft	0.45 PSU	140.00 ml/min
2/6/2025 9:55 AM	01:00	7.09 pH	18.47 °C	862.11 µS/cm	2.31 mg/L		24.8 mV	65.76 ft	0.43 PSU	140.00 ml/min
2/6/2025 9:56 AM	02:00	7.03 pH	18.15 °C	853.04 µS/cm	2.03 mg/L	0.75 NTU	15.6 mV	65.76 ft	0.42 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-7	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/6/2025 10:29:50 AM
Project: Plant Bowen AP February 2025
Operator Name: Jay Siewert

Location Name: BGWA-29 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 89.03 ft** **Total Depth: 99.03 ft** **Initial Depth to Water: 52.33 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 94.03 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
2/6/2025 10:29 AM	00:00	7.51 pH	17.01 °C	210.92 µS/cm	8.30 mg/L	0.19 NTU	169.3 mV	52.39 ft	0.10 PSU	150.00 ml/min
2/6/2025 10:34 AM	05:00	7.65 pH	17.09 °C	209.15 µS/cm	8.34 mg/L	0.86 NTU	177.1 mV	52.39 ft	0.10 PSU	150.00 ml/min
2/6/2025 10:39 AM	10:00	7.80 pH	17.08 °C	208.95 µS/cm	8.38 mg/L	0.82 NTU	151.3 mV	52.39 ft	0.10 PSU	150.00 ml/min
2/6/2025 10:44 AM	15:00	7.92 pH	17.16 °C	207.70 µS/cm	8.34 mg/L	0.70 NTU	142.7 mV	52.39 ft	0.10 PSU	150.00 ml/min
2/6/2025 10:49 AM	20:00	8.00 pH	17.19 °C	206.87 µS/cm	8.29 mg/L	0.35 NTU	135.2 mV	52.40 ft	0.10 PSU	150.00 ml/min
2/6/2025 10:54 AM	25:00	8.06 pH	17.25 °C	206.10 µS/cm	8.26 mg/L	0.22 NTU	150.7 mV	52.40 ft	0.10 PSU	150.00 ml/min
2/6/2025 10:59 AM	30:00	8.09 pH	17.28 °C	205.85 µS/cm	8.25 mg/L	0.39 NTU	118.8 mV	52.40 ft	0.10 PSU	150.00 ml/min
2/6/2025 11:04 AM	35:00	8.11 pH	17.26 °C	205.11 µS/cm	8.22 mg/L	0.38 NTU	139.6 mV	52.40 ft	0.10 PSU	150.00 ml/min
2/6/2025 11:09 AM	40:00	8.13 pH	17.29 °C	204.57 µS/cm	8.18 mg/L	0.14 NTU	112.0 mV	52.40 ft	0.10 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWA-29	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/6/2025 11:34:08 AM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.37 ft** **Total Depth: 62.37 ft** **Initial Depth to Water: 32.71 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 57.37 ft** **Estimated Total Volume Pumped: 280 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 2.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Complete evac. performed on 02-05-25.

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	
2/6/2025 11:34 AM	00:00	7.62 pH	19.52 °C	624.89 µS/cm	3.23 mg/L	0.78 NTU	59.2 mV	35.02 ft	0.31 PSU	140.00 ml/min
2/6/2025 11:35 AM	01:00	7.54 pH	18.72 °C	629.24 µS/cm	1.82 mg/L		29.4 mV	35.02 ft	0.31 PSU	140.00 ml/min
2/6/2025 11:36 AM	02:00	7.51 pH	18.24 °C	628.13 µS/cm	1.58 mg/L	0.78 NTU	19.6 mV	35.02 ft	0.31 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-10	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/6/2025 12:23:54 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-34D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 69.75 ft** **Total Depth: 79.75 ft** **Initial Depth to Water: 16.53 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 74.75 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 13.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 11L

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	
2/6/2025 12:23 PM	00:00	7.20 pH	18.39 °C	851.13 µS/cm	1.13 mg/L	0.22 NTU	-55.2 mV	29.33 ft	0.42 PSU	100.00 ml/min
2/6/2025 12:28 PM	05:00	7.13 pH	18.46 °C	911.38 µS/cm	0.76 mg/L	0.19 NTU	-67.0 mV	29.34 ft	0.45 PSU	100.00 ml/min
2/6/2025 12:33 PM	10:00	7.12 pH	18.55 °C	923.60 µS/cm	0.64 mg/L	0.03 NTU	-70.3 mV	29.40 ft	0.46 PSU	100.00 ml/min
2/6/2025 12:38 PM	15:00	7.13 pH	18.57 °C	919.68 µS/cm	0.60 mg/L	0.29 NTU	-75.4 mV	29.45 ft	0.46 PSU	100.00 ml/min
2/6/2025 12:43 PM	20:00	7.14 pH	18.54 °C	914.76 µS/cm	0.57 mg/L	0.17 NTU	-79.7 mV	29.50 ft	0.45 PSU	100.00 ml/min
2/6/2025 12:48 PM	25:00	7.14 pH	18.56 °C	910.00 µS/cm	0.55 mg/L	0.27 NTU	-83.0 mV	29.55 ft	0.45 PSU	100.00 ml/min
2/6/2025 12:53 PM	30:00	7.15 pH	18.49 °C	904.63 µS/cm	0.53 mg/L	0.19 NTU	-84.9 mV	29.60 ft	0.45 PSU	100.00 ml/min
2/6/2025 12:58 PM	35:00	7.15 pH	18.51 °C	901.70 µS/cm	0.51 mg/L	0.03 NTU	-86.6 mV	29.65 ft	0.45 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-34D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/6/2025 1:35:04 PM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.87 ft** **Total Depth: 48.87 ft** **Initial Depth to Water: 17.32 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 43.87 ft** **Estimated Total Volume Pumped: 4200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

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	
2/6/2025 1:35 PM	00:00	6.61 pH	22.25 °C	1,251.2 µS/cm	1.85 mg/L	3.23 NTU	93.7 mV	17.37 ft	0.63 PSU	140.00 ml/min
2/6/2025 1:40 PM	05:00	6.32 pH	18.91 °C	1,317.7 µS/cm	0.58 mg/L	2.63 NTU	89.8 mV	17.37 ft	0.67 PSU	140.00 ml/min
2/6/2025 1:45 PM	10:00	6.28 pH	18.70 °C	1,314.9 µS/cm	0.42 mg/L	2.19 NTU	61.6 mV	17.38 ft	0.66 PSU	140.00 ml/min
2/6/2025 1:50 PM	15:00	6.27 pH	18.64 °C	1,315.3 µS/cm	0.31 mg/L	0.78 NTU	58.3 mV	17.40 ft	0.66 PSU	140.00 ml/min
2/6/2025 1:55 PM	20:00	6.26 pH	18.66 °C	1,315.3 µS/cm	0.28 mg/L	0.72 NTU	56.4 mV	17.41 ft	0.66 PSU	140.00 ml/min
2/6/2025 2:00 PM	25:00	6.25 pH	18.53 °C	1,317.7 µS/cm	0.26 mg/L	1.00 NTU	55.1 mV	17.42 ft	0.67 PSU	140.00 ml/min
2/6/2025 2:05 PM	30:00	6.25 pH	18.64 °C	1,315.5 µS/cm	0.26 mg/L	0.73 NTU	54.5 mV	17.42 ft	0.66 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-16	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/6/2025 1:37:27 PM
Project: Plant Bowen AP February 2025
Operator Name: Jay Siewert

Location Name: BGWC-51 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.29 ft** **Total Depth: 67.29 ft** **Initial Depth to Water: 42.82 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 62.29 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
2/6/2025 1:37 PM	00:00	7.41 pH	17.79 °C	528.22 µS/cm	4.81 mg/L	0.18 NTU	66.1 mV	42.85 ft	0.26 PSU	120.00 ml/min
2/6/2025 1:42 PM	05:00	7.40 pH	18.02 °C	524.78 µS/cm	4.75 mg/L	0.11 NTU	74.4 mV	42.85 ft	0.26 PSU	120.00 ml/min
2/6/2025 1:47 PM	10:00	7.40 pH	18.05 °C	526.12 µS/cm	4.74 mg/L	0.06 NTU	59.3 mV	42.85 ft	0.26 PSU	120.00 ml/min
2/6/2025 1:52 PM	15:00	7.40 pH	18.01 °C	526.84 µS/cm	4.73 mg/L	0.07 NTU	57.7 mV	42.85 ft	0.26 PSU	120.00 ml/min
2/6/2025 1:57 PM	20:00	7.39 pH	18.02 °C	527.27 µS/cm	4.72 mg/L	0.03 NTU	56.7 mV	42.85 ft	0.26 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-51	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/6/2025 2:20:15 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.7 ft** **Total Depth: 49.7 ft** **Initial Depth to Water: 15 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 44.7 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
2/6/2025 2:20 PM	00:00	7.30 pH	18.08 °C	709.35 µS/cm	0.63 mg/L	0.50 NTU	-171.4 mV	15.08 ft	0.35 PSU	110.00 ml/min
2/6/2025 2:25 PM	05:00	7.30 pH	18.06 °C	706.64 µS/cm	0.41 mg/L	0.25 NTU	-158.1 mV	15.14 ft	0.35 PSU	110.00 ml/min
2/6/2025 2:30 PM	10:00	7.29 pH	18.06 °C	707.14 µS/cm	0.36 mg/L	0.20 NTU	-149.4 mV	15.16 ft	0.35 PSU	110.00 ml/min
2/6/2025 2:35 PM	15:00	7.29 pH	18.02 °C	704.96 µS/cm	0.33 mg/L	0.18 NTU	-143.7 mV	15.16 ft	0.35 PSU	110.00 ml/min
2/6/2025 2:40 PM	20:00	7.28 pH	18.04 °C	705.32 µS/cm	0.31 mg/L	0.13 NTU	-139.4 mV	15.16 ft	0.35 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-31	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2025 9:49:40 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: PZ-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.3 ft** **Total Depth: 49.3 ft** **Initial Depth to Water: 20.16 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 44.3 ft** **Estimated Total Volume Pumped: 4625 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 185 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/7/2025 9:49 AM	00:00	6.98 pH	16.90 °C	845.55 µS/cm	0.77 mg/L	1.11 NTU	73.6 mV	20.20 ft	0.42 PSU	185.00 ml/min
2/7/2025 9:54 AM	05:00	6.77 pH	17.08 °C	890.62 µS/cm	0.44 mg/L	0.52 NTU	74.4 mV	20.20 ft	0.44 PSU	185.00 ml/min
2/7/2025 9:59 AM	10:00	6.76 pH	17.04 °C	892.57 µS/cm	0.38 mg/L	0.94 NTU	75.2 mV	20.20 ft	0.44 PSU	185.00 ml/min
2/7/2025 10:04 AM	15:00	6.76 pH	17.02 °C	895.04 µS/cm	0.35 mg/L	0.76 NTU	75.4 mV	20.20 ft	0.44 PSU	185.00 ml/min
2/7/2025 10:09 AM	20:00	6.77 pH	16.98 °C	897.02 µS/cm	0.33 mg/L	0.54 NTU	75.5 mV	20.20 ft	0.45 PSU	185.00 ml/min
2/7/2025 10:14 AM	25:00	6.76 pH	16.91 °C	900.68 µS/cm	0.32 mg/L	0.46 NTU	76.0 mV	20.20 ft	0.45 PSU	185.00 ml/min

Samples

Sample ID:	Description:
PZ-7	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2025 10:05:07 AM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 58.39 ft** **Total Depth: 68.39 ft** **Initial Depth to Water: 16.18 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 63.39 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/7/2025 10:05 AM	00:00	6.41 pH	17.31 °C	733.21 µS/cm	3.27 mg/L	0.41 NTU	156.5 mV	16.21 ft	150.00 ml/min
2/7/2025 10:10 AM	05:00	6.95 pH	16.82 °C	689.30 µS/cm	0.63 mg/L	0.21 NTU	112.3 mV	16.22 ft	150.00 ml/min
2/7/2025 10:15 AM	10:00	7.04 pH	16.89 °C	692.22 µS/cm	0.46 mg/L	0.06 NTU	76.0 mV	16.22 ft	150.00 ml/min
2/7/2025 10:20 AM	15:00	7.08 pH	17.01 °C	689.08 µS/cm	0.39 mg/L	0.07 NTU	68.4 mV	16.22 ft	150.00 ml/min
2/7/2025 10:25 AM	20:00	7.09 pH	17.12 °C	690.05 µS/cm	0.34 mg/L	0.07 NTU	64.1 mV	16.22 ft	150.00 ml/min
2/7/2025 10:30 AM	25:00	7.11 pH	17.10 °C	689.26 µS/cm	0.32 mg/L	0.11 NTU	60.8 mV	16.22 ft	150.00 ml/min
2/7/2025 10:35 AM	30:00	7.11 pH	17.33 °C	688.49 µS/cm	0.30 mg/L	0.06 NTU	58.9 mV	16.22 ft	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-17	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2025 10:49:44 AM
Project: Plant Bowen AP February 2025
Operator Name: Jay Siewert

Location Name: BGWC-52 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 72.18 ft** **Total Depth: 82.18 ft** **Initial Depth to Water: 42.11 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 77.18 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
2/7/2025 10:49 AM	00:00	7.25 pH	17.16 °C	403.41 µS/cm	0.65 mg/L	1.01 NTU	183.0 mV	42.31 ft	0.20 PSU	150.00 ml/min
2/7/2025 10:54 AM	05:00	7.42 pH	17.21 °C	410.00 µS/cm	0.63 mg/L	1.07 NTU	173.9 mV	42.31 ft	0.20 PSU	150.00 ml/min
2/7/2025 10:59 AM	10:00	7.47 pH	17.16 °C	423.00 µS/cm	1.09 mg/L	1.68 NTU	182.4 mV	42.32 ft	0.20 PSU	150.00 ml/min
2/7/2025 11:04 AM	15:00	7.51 pH	17.16 °C	422.71 µS/cm	1.19 mg/L	1.58 NTU	159.2 mV	42.33 ft	0.20 PSU	150.00 ml/min
2/7/2025 11:09 AM	20:00	7.54 pH	17.16 °C	423.60 µS/cm	1.03 mg/L	1.02 NTU	151.7 mV	42.33 ft	0.21 PSU	150.00 ml/min
2/7/2025 11:14 AM	25:00	7.56 pH	17.12 °C	425.41 µS/cm	0.96 mg/L	1.00 NTU	143.3 mV	42.33 ft	0.21 PSU	150.00 ml/min
2/7/2025 11:19 AM	30:00	7.58 pH	17.11 °C	427.02 µS/cm	0.90 mg/L	1.13 NTU	136.3 mV	42.33 ft	0.21 PSU	150.00 ml/min
2/7/2025 11:24 AM	35:00	7.60 pH	17.08 °C	430.05 µS/cm	0.86 mg/L	1.12 NTU	133.9 mV	42.33 ft	0.21 PSU	150.00 ml/min
2/7/2025 11:29 AM	40:00	7.60 pH	17.10 °C	432.50 µS/cm	0.87 mg/L	1.10 NTU	129.2 mV	42.33 ft	0.21 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-52	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2025 11:19:04 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.58 ft** **Total Depth: 54.58 ft** **Initial Depth to Water: 15.14 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 49.58 ft** **Estimated Total Volume Pumped: 4200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 1.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
2/7/2025 11:19 AM	00:00	6.71 pH	16.50 °C	509.80 µS/cm	0.57 mg/L	1.28 NTU	68.8 mV	16.30 ft	0.25 PSU	140.00 ml/min
2/7/2025 11:24 AM	05:00	6.70 pH	16.52 °C	521.93 µS/cm	0.54 mg/L	1.09 NTU	68.2 mV	16.35 ft	0.25 PSU	140.00 ml/min
2/7/2025 11:29 AM	10:00	6.71 pH	16.63 °C	531.03 µS/cm	0.47 mg/L	0.66 NTU	68.1 mV	16.36 ft	0.26 PSU	140.00 ml/min
2/7/2025 11:34 AM	15:00	6.71 pH	16.64 °C	536.32 µS/cm	0.44 mg/L	0.65 NTU	67.7 mV	16.36 ft	0.26 PSU	140.00 ml/min
2/7/2025 11:39 AM	20:00	6.72 pH	16.64 °C	538.84 µS/cm	0.40 mg/L	1.34 NTU	67.2 mV	16.36 ft	0.26 PSU	140.00 ml/min
2/7/2025 11:44 AM	25:00	6.72 pH	16.77 °C	539.60 µS/cm	0.38 mg/L	1.00 NTU	67.2 mV	16.36 ft	0.26 PSU	140.00 ml/min
2/7/2025 11:49 AM	30:00	6.72 pH	16.84 °C	540.15 µS/cm	0.36 mg/L	0.92 NTU	66.9 mV	16.36 ft	0.26 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-19	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2025 12:10:20 PM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.95 ft** **Total Depth: 37.95 ft** **Initial Depth to Water: 14.25 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 32.95 ft** **Estimated Total Volume Pumped: 3875 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 155 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-purged 2.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/7/2025 12:10 PM	00:00	7.13 pH	24.98 °C	412.86 µS/cm	3.21 mg/L	0.12 NTU	59.2 mV	14.28 ft	155.00 ml/min
2/7/2025 12:15 PM	05:00	6.64 pH	18.47 °C	442.78 µS/cm	2.12 mg/L	0.10 NTU	50.0 mV	14.28 ft	155.00 ml/min
2/7/2025 12:20 PM	10:00	6.62 pH	18.28 °C	443.88 µS/cm	2.08 mg/L	0.04 NTU	50.6 mV	14.28 ft	155.00 ml/min
2/7/2025 12:25 PM	15:00	6.61 pH	17.96 °C	441.93 µS/cm	2.06 mg/L	0.02 NTU	51.8 mV	14.28 ft	155.00 ml/min
2/7/2025 12:30 PM	20:00	6.60 pH	18.21 °C	440.97 µS/cm	2.05 mg/L	0.01 NTU	52.5 mV	14.27 ft	155.00 ml/min
2/7/2025 12:35 PM	25:00	6.59 pH	18.33 °C	438.72 µS/cm	2.03 mg/L	0.03 NTU	53.0 mV	14.28 ft	155.00 ml/min

Samples

Sample ID:	Description:
BGWC-18	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2025 10:35:03 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-30 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.98 ft** **Total Depth: 59.98 ft** **Initial Depth to Water: 32.34 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 54.98 ft** **Estimated Total Volume Pumped: 2700 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 135 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/10/2025 10:35 AM	00:00	7.34 pH	14.84 °C	489.33 µS/cm	4.07 mg/L	0.45 NTU	71.8 mV	32.38 ft	0.24 PSU	135.00 ml/min
2/10/2025 10:40 AM	05:00	7.35 pH	15.57 °C	497.50 µS/cm	4.09 mg/L	0.49 NTU	78.0 mV	32.38 ft	0.24 PSU	135.00 ml/min
2/10/2025 10:45 AM	10:00	7.36 pH	16.19 °C	495.61 µS/cm	4.09 mg/L	0.73 NTU	69.4 mV	32.38 ft	0.24 PSU	135.00 ml/min
2/10/2025 10:50 AM	15:00	7.37 pH	16.03 °C	493.80 µS/cm	4.09 mg/L	0.51 NTU	68.5 mV	32.38 ft	0.24 PSU	135.00 ml/min
2/10/2025 10:55 AM	20:00	7.37 pH	16.19 °C	499.04 µS/cm	4.22 mg/L	0.31 NTU	68.0 mV	32.38 ft	0.24 PSU	135.00 ml/min

Samples

Sample ID:	Description:
BGWC-30	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2025 11:34:44 AM
Project: Plant Bowen AP February 2025
Operator Name: Jay Siewert

Location Name: BGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 79.17 ft** **Total Depth: 89.17 ft** **Initial Depth to Water: 60.62 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 84.17 ft** **Estimated Total Volume Pumped: 4550 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 8.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
2/10/2025 11:34 AM	00:00	7.34 pH	17.98 °C	402.97 µS/cm	2.88 mg/L	5.08 NTU	110.8 mV	60.63 ft	0.19 PSU	130.00 ml/min
2/10/2025 11:39 AM	05:00	7.45 pH	17.48 °C	400.22 µS/cm	2.78 mg/L	3.36 NTU	114.3 mV	60.64 ft	0.19 PSU	130.00 ml/min
2/10/2025 11:44 AM	10:00	7.49 pH	17.52 °C	401.99 µS/cm	2.66 mg/L	4.31 NTU	76.5 mV	60.64 ft	0.19 PSU	130.00 ml/min
2/10/2025 11:49 AM	15:00	7.52 pH	17.34 °C	401.35 µS/cm	2.71 mg/L	9.60 NTU	64.7 mV	60.64 ft	0.19 PSU	130.00 ml/min
2/10/2025 11:54 AM	20:00	7.54 pH	17.48 °C	400.49 µS/cm	2.74 mg/L	3.44 NTU	53.2 mV	60.64 ft	0.19 PSU	130.00 ml/min
2/10/2025 11:59 AM	25:00	7.55 pH	17.47 °C	399.95 µS/cm	2.72 mg/L	2.50 NTU	39.1 mV	60.64 ft	0.19 PSU	130.00 ml/min
2/10/2025 12:04 PM	30:00	7.55 pH	17.48 °C	400.77 µS/cm	2.99 mg/L	4.00 NTU	40.9 mV	60.64 ft	0.19 PSU	130.00 ml/min
2/10/2025 12:09 PM	35:00	7.54 pH	17.82 °C	401.19 µS/cm	2.92 mg/L	2.48 NTU	23.3 mV	60.64 ft	0.19 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWA-2	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/10/2025 12:49:58 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-49D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 300.68 ft** **Total Depth: 310.68 ft** **Initial Depth to Water: 31.25 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 305.68 ft** **Estimated Total Volume Pumped: 26175 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 29.6 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 7 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	
2/10/2025 12:49 PM	00:00	7.31 pH	18.51 °C	1,699.4 µS/cm	0.22 mg/L	0.57 NTU	-135.0 mV	41.00 ft	0.87 PSU	235.00 ml/min
2/10/2025 12:54 PM	05:00	7.33 pH	18.58 °C	1,926.6 µS/cm	0.21 mg/L	0.46 NTU	-156.2 mV	42.34 ft	0.99 PSU	235.00 ml/min
2/10/2025 12:59 PM	10:00	7.33 pH	18.33 °C	1,927.6 µS/cm	0.21 mg/L	0.30 NTU	-154.5 mV	44.46 ft	0.99 PSU	235.00 ml/min
2/10/2025 1:04 PM	15:00	7.33 pH	18.60 °C	1,921.5 µS/cm	0.21 mg/L	0.52 NTU	-159.5 mV	44.77 ft	0.99 PSU	235.00 ml/min
2/10/2025 1:09 PM	20:00	7.33 pH	18.67 °C	1,923.9 µS/cm	0.21 mg/L	0.52 NTU	-161.6 mV	45.70 ft	0.99 PSU	235.00 ml/min
2/10/2025 1:14 PM	25:00	7.34 pH	18.94 °C	1,909.6 µS/cm	0.20 mg/L	0.47 NTU	-163.2 mV	46.80 ft	0.98 PSU	235.00 ml/min
2/10/2025 1:19 PM	30:00	7.35 pH	18.58 °C	1,911.1 µS/cm	0.20 mg/L	0.16 NTU	-163.5 mV	48.00 ft	0.98 PSU	235.00 ml/min
2/10/2025 1:24 PM	35:00	7.35 pH	18.60 °C	1,908.4 µS/cm	0.20 mg/L	0.29 NTU	-164.8 mV	48.95 ft	0.98 PSU	235.00 ml/min
2/10/2025 1:29 PM	40:00	7.35 pH	18.85 °C	1,905.8 µS/cm	0.21 mg/L	0.74 NTU	-166.7 mV	50.20 ft	0.98 PSU	235.00 ml/min
2/10/2025 1:34 PM	45:00	7.36 pH	19.23 °C	1,913.5 µS/cm	0.21 mg/L	0.66 NTU	-168.2 mV	51.02 ft	0.98 PSU	235.00 ml/min
2/10/2025 1:39 PM	50:00	7.36 pH	18.87 °C	1,924.0 µS/cm	0.21 mg/L	0.04 NTU	-168.2 mV	52.00 ft	0.99 PSU	235.00 ml/min
2/10/2025 1:44 PM	55:00	7.36 pH	18.91 °C	1,930.0 µS/cm	0.21 mg/L	0.29 NTU	-168.8 mV	52.97 ft	0.99 PSU	235.00 ml/min
2/10/2025 1:49 PM	01:00:00	7.36 pH	19.04 °C	1,938.6 µS/cm	0.22 mg/L	0.24 NTU	-170.3 mV	53.80 ft	1.00 PSU	235.00 ml/min
2/10/2025 1:54 PM	01:05:00	7.36 pH	19.41 °C	1,926.0 µS/cm	0.22 mg/L	0.30 NTU	-171.6 mV	54.63 ft	0.99 PSU	235.00 ml/min
2/10/2025 1:59 PM	01:10:00	7.37 pH	19.15 °C	1,932.7 µS/cm	0.23 mg/L	0.21 NTU	-172.2 mV	55.58 ft	0.99 PSU	235.00 ml/min

2/10/2025 2:04 PM	01:15:00	7.37 pH	18.81 °C	1,927.5 µS/cm	0.23 mg/L	0.12 NTU	-232.6 mV	56.54 ft	0.99 PSU	235.00 ml/min
2/10/2025 2:09 PM	01:20:00	7.37 pH	18.78 °C	1,941.7 µS/cm	0.24 mg/L	0.24 NTU	-173.7 mV	57.20 ft	1.00 PSU	235.00 ml/min
2/10/2025 2:14 PM	01:25:00	7.37 pH	19.02 °C	1,930.3 µS/cm	0.24 mg/L	0.04 NTU	-175.0 mV	58.06 ft	0.99 PSU	235.00 ml/min
2/10/2025 2:19 PM	01:30:00	7.37 pH	19.37 °C	1,935.1 µS/cm	0.24 mg/L	0.13 NTU	-176.4 mV	58.92 ft	1.00 PSU	235.00 ml/min
2/10/2025 2:24 PM	01:35:00	7.37 pH	19.43 °C	1,936.1 µS/cm	0.24 mg/L	0.13 NTU	-176.6 mV	59.65 ft	1.00 PSU	235.00 ml/min
2/10/2025 2:29 PM	01:40:00	7.38 pH	19.18 °C	1,937.8 µS/cm	0.24 mg/L	0.01 NTU	-176.7 mV	60.35 ft	1.00 PSU	235.00 ml/min
2/10/2025 2:34 PM	01:45:00	7.40 pH	18.00 °C	1,923.5 µS/cm	0.26 mg/L	0.11 NTU	-171.1 mV	60.66 ft	0.99 PSU	100.00 ml/min
2/10/2025 2:39 PM	01:50:00	7.40 pH	18.06 °C	1,931.1 µS/cm	0.28 mg/L	0.16 NTU	-172.1 mV	60.71 ft	0.99 PSU	100.00 ml/min
2/10/2025 2:44 PM	01:55:00	7.41 pH	17.30 °C	1,954.4 µS/cm	0.26 mg/L	0.14 NTU	-159.0 mV	60.78 ft	1.00 PSU	100.00 ml/min
2/10/2025 2:49 PM	02:00:00	7.43 pH	17.30 °C	1,957.4 µS/cm	0.25 mg/L	0.08 NTU	-145.6 mV	60.85 ft	1.01 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-49D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/10/2025 12:59:32 PM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-40 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.74 ft** **Total Depth: 62.74 ft** **Initial Depth to Water: 26.65 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 57.74 ft** **Estimated Total Volume Pumped: 3125 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-Purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/10/2025 12:59 PM	00:00	7.18 pH	16.58 °C	848.60 µS/cm	0.88 mg/L	5.01 NTU	128.3 mV	27.05 ft	125.00 ml/min
2/10/2025 1:04 PM	05:00	7.18 pH	16.57 °C	842.59 µS/cm	0.71 mg/L	3.32 NTU	87.8 mV	27.05 ft	125.00 ml/min
2/10/2025 1:09 PM	10:00	7.18 pH	16.50 °C	842.19 µS/cm	0.59 mg/L	2.63 NTU	71.9 mV	27.06 ft	125.00 ml/min
2/10/2025 1:14 PM	15:00	7.19 pH	16.46 °C	841.90 µS/cm	0.53 mg/L	2.66 NTU	63.7 mV	27.05 ft	125.00 ml/min
2/10/2025 1:19 PM	20:00	7.20 pH	16.55 °C	840.12 µS/cm	0.51 mg/L	1.50 NTU	58.8 mV	27.06 ft	125.00 ml/min
2/10/2025 1:24 PM	25:00	7.20 pH	16.55 °C	840.04 µS/cm	0.51 mg/L	1.32 NTU	54.8 mV	27.05 ft	125.00 ml/min

Samples

Sample ID:	Description:
BGWC-40	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2025 3:07:25 PM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.99 ft** **Total Depth: 52.99 ft** **Initial Depth to Water: 26.97 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 47.99 ft** **Estimated Total Volume Pumped: 3250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/10/2025 3:07 PM	00:00	7.68 pH	18.78 °C	399.13 µS/cm	0.94 mg/L	1.00 NTU	73.4 mV	27.24 ft	130.00 ml/min
2/10/2025 3:12 PM	05:00	7.66 pH	17.88 °C	405.87 µS/cm	0.76 mg/L	0.84 NTU	51.9 mV	27.22 ft	130.00 ml/min
2/10/2025 3:17 PM	10:00	7.66 pH	17.85 °C	407.32 µS/cm	0.70 mg/L	0.16 NTU	45.7 mV	27.24 ft	130.00 ml/min
2/10/2025 3:22 PM	15:00	7.67 pH	18.15 °C	407.45 µS/cm	0.69 mg/L	0.03 NTU	41.4 mV	27.21 ft	130.00 ml/min
2/10/2025 3:27 PM	20:00	7.67 pH	18.04 °C	408.49 µS/cm	0.66 mg/L	0.05 NTU	38.4 mV	27.22 ft	130.00 ml/min
2/10/2025 3:32 PM	25:00	7.68 pH	17.71 °C	411.62 µS/cm	0.68 mg/L	0.03 NTU	36.4 mV	27.22 ft	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-21	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2025 3:28:19 PM
Project: Plant Bowen AP February 2025
Operator Name: Jay Siewert

Location Name: BGWC-25 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 47.87 ft** **Total Depth: 57.87 ft** **Initial Depth to Water: 21.34 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 52.87 ft** **Estimated Total Volume Pumped: 3900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 9.43 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 9 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
2/10/2025 3:28 PM	00:00	7.44 pH	17.65 °C	513.79 µS/cm	0.14 mg/L	0.27 NTU	-56.6 mV	30.05 ft	0.25 PSU	210.00 ml/min
2/10/2025 3:33 PM	05:00	7.44 pH	17.70 °C	512.20 µS/cm	0.16 mg/L	0.12 NTU	-73.5 mV	30.63 ft	0.25 PSU	210.00 ml/min
2/10/2025 3:38 PM	10:00	7.45 pH	17.68 °C	509.20 µS/cm	0.14 mg/L	0.11 NTU	-52.4 mV	30.72 ft	0.25 PSU	120.00 ml/min
2/10/2025 3:43 PM	15:00	7.45 pH	17.48 °C	518.27 µS/cm	0.12 mg/L	0.11 NTU	-55.0 mV	30.73 ft	0.25 PSU	120.00 ml/min
2/10/2025 3:48 PM	20:00	7.46 pH	17.50 °C	517.70 µS/cm	0.11 mg/L	0.06 NTU	-58.2 mV	30.74 ft	0.25 PSU	120.00 ml/min
2/10/2025 3:53 PM	25:00	7.47 pH	17.46 °C	516.14 µS/cm	0.10 mg/L	0.06 NTU	-60.7 mV	30.77 ft	0.25 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-25	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium
FD-03	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 10:13:01 AM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-38D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 118.11 ft** **Total Depth: 128.11 ft** **Initial Depth to Water: 31.66 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 123.11 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/11/2025 10:13 AM	00:00	6.92 pH	14.66 °C	1,600.7 µS/cm	0.66 mg/L	19.00 NTU	22.4 mV	31.66 ft	0.81 PSU	100.00 ml/min
2/11/2025 10:18 AM	05:00	7.08 pH	14.85 °C	1,610.5 µS/cm	0.57 mg/L	13.70 NTU	23.3 mV	31.66 ft	0.82 PSU	100.00 ml/min
2/11/2025 10:23 AM	10:00	7.13 pH	14.84 °C	1,603.5 µS/cm	0.49 mg/L	7.83 NTU	23.8 mV	31.66 ft	0.81 PSU	100.00 ml/min
2/11/2025 10:28 AM	15:00	7.14 pH	14.80 °C	1,615.9 µS/cm	0.44 mg/L	6.06 NTU	22.9 mV	31.66 ft	0.82 PSU	100.00 ml/min
2/11/2025 10:33 AM	20:00	7.16 pH	15.20 °C	1,607.7 µS/cm	0.39 mg/L	3.54 NTU	22.2 mV	31.66 ft	0.82 PSU	100.00 ml/min
2/11/2025 10:38 AM	25:00	7.17 pH	15.30 °C	1,601.4 µS/cm	0.36 mg/L	3.31 NTU	21.3 mV	31.66 ft	0.81 PSU	100.00 ml/min
2/11/2025 10:43 AM	30:00	7.17 pH	15.20 °C	1,611.8 µS/cm	0.35 mg/L	2.04 NTU	20.6 mV	31.66 ft	0.82 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-38D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 10:45:21 AM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-24 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.11 ft** **Total Depth: 66.11 ft** **Initial Depth to Water: 20.36 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 61.11 ft** **Estimated Total Volume Pumped: 4900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 4.67 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

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	
2/11/2025 10:45 AM	00:00	6.66 pH	14.56 °C	2,076.2 µS/cm	0.30 mg/L	0.64 NTU	86.2 mV	22.92 ft	1.07 PSU	140.00 ml/min
2/11/2025 10:50 AM	05:00	6.64 pH	14.42 °C	2,059.0 µS/cm	0.24 mg/L	0.96 NTU	11.7 mV	23.31 ft	1.06 PSU	140.00 ml/min
2/11/2025 10:55 AM	10:00	6.64 pH	14.30 °C	2,029.3 µS/cm	0.21 mg/L	0.66 NTU	-32.0 mV	23.67 ft	1.04 PSU	140.00 ml/min
2/11/2025 11:00 AM	15:00	6.63 pH	14.34 °C	2,024.0 µS/cm	0.20 mg/L	0.31 NTU	-51.7 mV	23.99 ft	1.04 PSU	140.00 ml/min
2/11/2025 11:05 AM	20:00	6.62 pH	14.52 °C	2,015.4 µS/cm	0.18 mg/L	0.20 NTU	-62.8 mV	24.31 ft	1.03 PSU	140.00 ml/min
2/11/2025 11:10 AM	25:00	6.61 pH	14.48 °C	2,028.2 µS/cm	0.17 mg/L	0.19 NTU	-68.0 mV	24.58 ft	1.04 PSU	140.00 ml/min
2/11/2025 11:15 AM	30:00	6.60 pH	14.40 °C	2,080.7 µS/cm	0.16 mg/L	0.10 NTU	-70.2 mV	24.83 ft	1.07 PSU	140.00 ml/min
2/11/2025 11:20 AM	35:00	6.60 pH	14.53 °C	2,114.0 µS/cm	0.15 mg/L	0.03 NTU	-69.4 mV	25.03 ft	1.09 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-24	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/11/2025 11:03:02 AM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-35D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70.94 ft** **Total Depth: 80.94 ft** **Initial Depth to Water: 33.64 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 75.94 ft** **Estimated Total Volume Pumped: 9325 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.65 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-Purged 3 L. Lowered flow rate from 125 to 110 to reduce turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/11/2025 11:03 AM	00:00	6.98 pH	13.05 °C	3,346.0 µS/cm	1.20 mg/L	4.65 NTU	-36.9 mV	34.20 ft	125.00 ml/min
2/11/2025 11:08 AM	05:00	6.91 pH	15.40 °C	3,246.6 µS/cm	0.29 mg/L	5.47 NTU	-76.7 mV	34.23 ft	125.00 ml/min
2/11/2025 11:13 AM	10:00	6.92 pH	15.63 °C	3,272.2 µS/cm	0.22 mg/L	6.60 NTU	-80.3 mV	34.25 ft	125.00 ml/min
2/11/2025 11:18 AM	15:00	6.93 pH	15.89 °C	3,312.0 µS/cm	0.18 mg/L	8.32 NTU	-107.6 mV	34.26 ft	125.00 ml/min
2/11/2025 11:23 AM	20:00	6.94 pH	15.83 °C	3,350.2 µS/cm	0.16 mg/L	8.54 NTU	-103.3 mV	34.26 ft	125.00 ml/min
2/11/2025 11:28 AM	25:00	6.97 pH	15.69 °C	3,386.0 µS/cm	0.15 mg/L	8.33 NTU	-92.5 mV	34.29 ft	125.00 ml/min
2/11/2025 11:33 AM	30:00	6.98 pH	15.76 °C	3,455.7 µS/cm	0.14 mg/L	11.88 NTU	-82.0 mV	34.29 ft	125.00 ml/min
2/11/2025 11:38 AM	35:00	7.01 pH	15.74 °C	3,466.0 µS/cm	0.12 mg/L	11.68 NTU	-72.7 mV	34.29 ft	110.00 ml/min
2/11/2025 11:43 AM	40:00	7.02 pH	15.74 °C	3,484.4 µS/cm	0.13 mg/L	10.34 NTU	-66.2 mV	34.29 ft	110.00 ml/min
2/11/2025 11:48 AM	45:00	7.03 pH	15.47 °C	3,499.1 µS/cm	0.11 mg/L	9.73 NTU	-62.3 mV	34.28 ft	110.00 ml/min
2/11/2025 11:53 AM	50:00	7.05 pH	15.61 °C	3,497.7 µS/cm	0.10 mg/L	9.03 NTU	-58.7 mV	34.29 ft	110.00 ml/min
2/11/2025 11:58 AM	55:00	7.05 pH	15.52 °C	3,530.3 µS/cm	0.09 mg/L	7.42 NTU	-55.3 mV	34.28 ft	110.00 ml/min
2/11/2025 12:03 PM	01:00:00	7.06 pH	15.74 °C	3,518.7 µS/cm	0.08 mg/L	7.14 NTU	-52.5 mV	34.28 ft	110.00 ml/min
2/11/2025 12:08 PM	01:05:00	7.07 pH	15.65 °C	3,520.8 µS/cm	0.08 mg/L	5.68 NTU	-49.8 mV	34.29 ft	110.00 ml/min
2/11/2025 12:13 PM	01:10:00	7.08 pH	15.57 °C	3,520.6 µS/cm	0.08 mg/L	3.87 NTU	-46.1 mV	34.29 ft	110.00 ml/min

2/11/2025 12:18 PM	01:15:00	7.09 pH	15.50 °C	3,529.5 µS/cm	0.08 mg/L	3.12 NTU	-44.6 mV	34.29 ft	110.00 ml/min
2/11/2025 12:23 PM	01:20:00	7.10 pH	15.57 °C	3,523.4 µS/cm	0.07 mg/L	3.68 NTU	-42.8 mV	34.29 ft	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-35D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 12:05:40 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-43D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 156.01 ft** **Total Depth: 166.01 ft** **Initial Depth to Water: 31.45 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 161.01 ft** **Estimated Total Volume Pumped: 2750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/11/2025 12:05 PM	00:00	7.17 pH	12.21 °C	2,129.7 µS/cm	0.47 mg/L	11.00 NTU	-15.3 mV	31.45 ft	1.09 PSU	110.00 ml/min
2/11/2025 12:10 PM	05:00	7.19 pH	12.47 °C	2,038.9 µS/cm	0.41 mg/L	18.10 NTU	-12.3 mV	31.45 ft	1.04 PSU	110.00 ml/min
2/11/2025 12:15 PM	10:00	7.20 pH	12.15 °C	2,061.2 µS/cm	0.37 mg/L	8.46 NTU	-10.9 mV	31.45 ft	1.05 PSU	110.00 ml/min
2/11/2025 12:20 PM	15:00	7.20 pH	12.24 °C	2,070.7 µS/cm	0.35 mg/L	4.36 NTU	-11.7 mV	31.45 ft	1.06 PSU	110.00 ml/min
2/11/2025 12:25 PM	20:00	7.20 pH	12.28 °C	2,072.7 µS/cm	0.33 mg/L	2.03 NTU	-12.4 mV	31.45 ft	1.06 PSU	110.00 ml/min
2/11/2025 12:30 PM	25:00	7.20 pH	12.25 °C	2,086.9 µS/cm	0.32 mg/L	2.00 NTU	-13.4 mV	31.45 ft	1.07 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-43D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 1:59:54 PM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.95 ft** **Total Depth: 50.95 ft** **Initial Depth to Water: 32.89 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 45.95 ft** **Estimated Total Volume Pumped: 3250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 1.41 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

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	
2/11/2025 1:59 PM	00:00	7.05 pH	15.71 °C	2,119.5 µS/cm	0.11 mg/L	0.13 NTU	-119.4 mV	34.29 ft	1.09 PSU	130.00 ml/min
2/11/2025 2:04 PM	05:00	7.01 pH	15.65 °C	2,074.7 µS/cm	0.10 mg/L	0.21 NTU	-140.4 mV	34.30 ft	1.07 PSU	130.00 ml/min
2/11/2025 2:09 PM	10:00	6.98 pH	15.69 °C	2,031.2 µS/cm	0.09 mg/L	0.15 NTU	-140.0 mV	34.30 ft	1.04 PSU	130.00 ml/min
2/11/2025 2:14 PM	15:00	6.97 pH	15.74 °C	2,005.2 µS/cm	0.08 mg/L	0.31 NTU	-139.1 mV	34.30 ft	1.03 PSU	130.00 ml/min
2/11/2025 2:19 PM	20:00	6.96 pH	15.74 °C	1,986.0 µS/cm	0.07 mg/L	0.30 NTU	-137.4 mV	34.30 ft	1.02 PSU	130.00 ml/min
2/11/2025 2:24 PM	25:00	6.94 pH	15.85 °C	1,966.9 µS/cm	0.07 mg/L	0.22 NTU	-136.1 mV	34.30 ft	1.01 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-23	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/11/2025 2:18:16 PM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-37D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 99.5 ft** **Total Depth: 109.5 ft** **Initial Depth to Water: 34.4 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 104.5 ft** **Estimated Total Volume Pumped: 2875 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 115 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-Purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/11/2025 2:18 PM	00:00	7.51 pH	14.05 °C	1,094.7 µS/cm	0.62 mg/L	0.70 NTU	-66.4 mV	34.49 ft	115.00 ml/min
2/11/2025 2:23 PM	05:00	7.42 pH	15.65 °C	1,069.1 µS/cm	0.31 mg/L	1.17 NTU	-102.2 mV	34.50 ft	115.00 ml/min
2/11/2025 2:28 PM	10:00	7.40 pH	15.80 °C	1,064.5 µS/cm	0.24 mg/L	1.56 NTU	-66.7 mV	34.50 ft	115.00 ml/min
2/11/2025 2:33 PM	15:00	7.40 pH	15.56 °C	1,062.9 µS/cm	0.20 mg/L	0.65 NTU	-66.6 mV	34.49 ft	115.00 ml/min
2/11/2025 2:38 PM	20:00	7.40 pH	15.66 °C	1,063.2 µS/cm	0.15 mg/L	0.50 NTU	-66.7 mV	34.49 ft	115.00 ml/min
2/11/2025 2:43 PM	25:00	7.40 pH	15.59 °C	1,064.5 µS/cm	0.13 mg/L	0.39 NTU	-66.6 mV	34.51 ft	115.00 ml/min

Samples

Sample ID:	Description:
BGWC-37D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium
FD-04	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 3:33:21 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-42D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 163.74 ft** **Total Depth: 153.74 ft** **Initial Depth to Water: 35.02 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 158.74 ft** **Estimated Total Volume Pumped: 8500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 170 ml/min** **Final Draw Down: 0.89 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/11/2025 3:33 PM	00:00	7.15 pH	15.75 °C	1,161.3 µS/cm	0.60 mg/L	1.14 NTU	-134.0 mV	35.88 ft	0.58 PSU	170.00 ml/min
2/11/2025 3:38 PM	05:00	7.18 pH	15.65 °C	1,165.3 µS/cm	0.48 mg/L	1.08 NTU	-176.9 mV	35.91 ft	0.58 PSU	170.00 ml/min
2/11/2025 3:43 PM	10:00	7.20 pH	15.87 °C	1,132.9 µS/cm	0.41 mg/L	0.51 NTU	-136.4 mV	35.91 ft	0.57 PSU	170.00 ml/min
2/11/2025 3:48 PM	15:00	7.23 pH	15.89 °C	1,036.4 µS/cm	0.38 mg/L	0.37 NTU	-152.4 mV	35.91 ft	0.52 PSU	170.00 ml/min
2/11/2025 3:53 PM	20:00	7.27 pH	15.69 °C	942.71 µS/cm	0.36 mg/L	0.12 NTU	-167.0 mV	35.91 ft	0.47 PSU	170.00 ml/min
2/11/2025 3:58 PM	25:00	7.29 pH	15.87 °C	885.84 µS/cm	0.35 mg/L	0.03 NTU	-181.8 mV	35.91 ft	0.44 PSU	170.00 ml/min
2/11/2025 4:03 PM	30:00	7.31 pH	15.74 °C	860.04 µS/cm	0.35 mg/L	0.22 NTU	-192.2 mV	35.91 ft	0.43 PSU	170.00 ml/min
2/11/2025 4:08 PM	35:00	7.33 pH	15.62 °C	834.58 µS/cm	0.35 mg/L	0.08 NTU	-200.3 mV	35.91 ft	0.41 PSU	170.00 ml/min
2/11/2025 4:13 PM	40:00	7.34 pH	15.60 °C	821.80 µS/cm	0.35 mg/L	0.10 NTU	-208.1 mV	35.91 ft	0.41 PSU	170.00 ml/min
2/11/2025 4:18 PM	45:00	7.35 pH	15.52 °C	816.57 µS/cm	0.36 mg/L	0.08 NTU	-212.1 mV	35.91 ft	0.40 PSU	170.00 ml/min
2/11/2025 4:23 PM	50:00	7.36 pH	15.38 °C	812.60 µS/cm	0.37 mg/L	0.02 NTU	-213.8 mV	35.91 ft	0.40 PSU	170.00 ml/min

Samples

Sample ID:	Description:
BGWC-42D	Metals, Inorganics, Alkalinity, TDS, Sulfide , Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 11:04:24 AM
Project: Plant Bowen AP February 2025
Operator Name: Natalie Piparo

Location Name: BGWC-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.22 ft** **Total Depth: 51.22 ft** **Initial Depth to Water: 39.75 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 46.22 ft** **Estimated Total Volume Pumped: 220 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
Complete evac performed on 2/11/25

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	
2/12/2025 11:04 AM	00:00	7.43 pH	7.88 °C	1,405.5 µS/cm	8.59 mg/L	1.09 NTU	204.0 mV	39.75 ft	0.70 PSU	110.00 ml/min
2/12/2025 11:05 AM	01:00	7.40 pH	7.98 °C	1,406.5 µS/cm	8.18 mg/L		206.3 mV	39.75 ft	0.70 PSU	110.00 ml/min
2/12/2025 11:06 AM	02:00	7.28 pH	10.06 °C	1,349.7 µS/cm	5.57 mg/L	1.09 NTU	194.0 mV	39.75 ft	0.67 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-32	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/12/2025 12:31:18 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-41D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 48.26 ft** **Total Depth: 58.26 ft** **Initial Depth to Water: 20.37 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 53.26 ft** **Estimated Total Volume Pumped: 4400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 1.53 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 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	
2/12/2025 12:31 PM	00:00	7.12 pH	14.25 °C	2,396.8 µS/cm	1.20 mg/L	0.31 NTU	-53.1 mV	21.40 ft	1.24 PSU	110.00 ml/min
2/12/2025 12:36 PM	05:00	7.15 pH	14.34 °C	2,392.1 µS/cm	1.01 mg/L	0.24 NTU	-70.5 mV	21.50 ft	1.24 PSU	110.00 ml/min
2/12/2025 12:41 PM	10:00	7.18 pH	14.38 °C	2,350.0 µS/cm	0.85 mg/L	0.11 NTU	-75.9 mV	21.60 ft	1.21 PSU	110.00 ml/min
2/12/2025 12:46 PM	15:00	7.20 pH	14.34 °C	2,344.6 µS/cm	0.82 mg/L	0.23 NTU	-81.7 mV	21.68 ft	1.21 PSU	110.00 ml/min
2/12/2025 12:51 PM	20:00	7.22 pH	14.39 °C	2,322.9 µS/cm	0.78 mg/L	0.13 NTU	-85.2 mV	21.77 ft	1.20 PSU	110.00 ml/min
2/12/2025 12:56 PM	25:00	7.23 pH	14.43 °C	2,298.9 µS/cm	0.73 mg/L	0.08 NTU	-87.4 mV	21.80 ft	1.19 PSU	110.00 ml/min
2/12/2025 1:01 PM	30:00	7.25 pH	14.52 °C	2,287.7 µS/cm	0.73 mg/L	0.13 NTU	-88.8 mV	21.84 ft	1.18 PSU	110.00 ml/min
2/12/2025 1:06 PM	35:00	7.26 pH	14.44 °C	2,276.6 µS/cm	0.70 mg/L	0.08 NTU	-89.5 mV	21.88 ft	1.18 PSU	110.00 ml/min
2/12/2025 1:11 PM	40:00	7.27 pH	14.60 °C	2,274.1 µS/cm	0.68 mg/L	0.04 NTU	-90.0 mV	21.90 ft	1.17 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-41D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium
FD-05	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/12/2025 12:53:44 PM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-53D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.48 ft** **Total Depth: 100.48 ft** **Initial Depth to Water: 16.77 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 95.48 ft** **Estimated Total Volume Pumped: 2700 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 135 ml/min** **Final Draw Down: 4.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-Purged 9.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/12/2025 12:53 PM	00:00	7.49 pH	14.75 °C	1,360.2 µS/cm	0.17 mg/L	1.38 NTU	-43.0 mV	19.84 ft	135.00 ml/min
2/12/2025 12:58 PM	05:00	7.52 pH	14.48 °C	1,337.8 µS/cm	0.14 mg/L	1.80 NTU	-46.1 mV	20.08 ft	135.00 ml/min
2/12/2025 1:03 PM	10:00	7.52 pH	14.96 °C	1,335.5 µS/cm	0.13 mg/L	0.76 NTU	-48.5 mV	20.41 ft	135.00 ml/min
2/12/2025 1:08 PM	15:00	7.52 pH	14.84 °C	1,336.8 µS/cm	0.13 mg/L	1.28 NTU	-49.2 mV	20.47 ft	135.00 ml/min
2/12/2025 1:13 PM	20:00	7.53 pH	14.98 °C	1,328.9 µS/cm	0.12 mg/L	1.34 NTU	-51.2 mV	20.95 ft	135.00 ml/min

Samples

Sample ID:	Description:
BGWC-53D	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/13/2025 11:12:00 AM
Project: Plant Bowen AP February 2025
Operator Name: Kyle Rhyne

Location Name: BGWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.05 ft** **Total Depth: 43.05 ft** **Initial Depth to Water: 20.73 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38.05 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 0.2	+/- 5	+/- 1000	+/- 0.3	
2/13/2025 11:12 AM	00:00	6.85 pH	18.39 °C	2,621.1 µS/cm	1.00 mg/L	4.19 NTU	139.2 mV	20.83 ft	110.00 ml/min
2/13/2025 11:17 AM	05:00	6.84 pH	17.74 °C	2,643.8 µS/cm	0.59 mg/L	3.11 NTU	112.3 mV	20.84 ft	110.00 ml/min
2/13/2025 11:22 AM	10:00	6.84 pH	17.95 °C	2,627.2 µS/cm	0.48 mg/L	2.58 NTU	61.2 mV	20.83 ft	110.00 ml/min
2/13/2025 11:27 AM	15:00	6.85 pH	17.85 °C	2,631.7 µS/cm	0.41 mg/L	2.88 NTU	51.9 mV	20.83 ft	110.00 ml/min
2/13/2025 11:32 AM	20:00	6.85 pH	17.94 °C	2,622.3 µS/cm	0.37 mg/L	2.75 NTU	50.2 mV	20.84 ft	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-22	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2025 12:50:12 PM
Project: Plant Bowen AP February 2025
Operator Name: Sawyer Kovacs

Location Name: BGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.27 ft** **Total Depth: 28.27 ft** **Initial Depth to Water: 18.85 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 23.27 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.92 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082822**

Test Notes:
Pre-Purged: 20 L. Water level started below top of screen. Water level stabilized in screen; three well volume method initiated.

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	
2/18/2025 12:50 PM	00:00	6.76 pH	16.01 °C	794.33 µS/cm	3.17 mg/L	2.11 NTU	57.8 mV	19.77 ft	0.39 PSU	160.00 ml/min
2/18/2025 12:55 PM	05:00	6.76 pH	15.98 °C	784.41 µS/cm	3.16 mg/L	0.74 NTU	68.6 mV	19.77 ft	0.39 PSU	160.00 ml/min
2/18/2025 1:00 PM	10:00	6.76 pH	16.14 °C	785.62 µS/cm	3.16 mg/L	0.57 NTU	39.6 mV	19.77 ft	0.39 PSU	160.00 ml/min
2/18/2025 1:05 PM	15:00	6.77 pH	16.24 °C	783.88 µS/cm	3.12 mg/L	0.37 NTU	37.3 mV	19.77 ft	0.39 PSU	160.00 ml/min
2/18/2025 1:10 PM	20:00	6.77 pH	16.34 °C	782.73 µS/cm	3.10 mg/L	0.30 NTU	35.9 mV	19.77 ft	0.39 PSU	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-39	Metals, Inorganics, Alkalinity, TDS, Sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/31/2025 10:50:06 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWA-47D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 144.96 ft** **Total Depth: 154.96 ft** **Initial Depth to Water: 60.21 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 149.96 ft** **Estimated Total Volume Pumped: 2750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

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	
7/31/2025 10:50 AM	00:00	6.81 pH	21.99 °C	657.45 µS/cm	0.85 mg/L	0.32 NTU	85.8 mV	60.24 ft	0.32 PSU	110.00 ml/min
7/31/2025 10:55 AM	05:00	6.81 pH	21.93 °C	646.09 µS/cm	0.84 mg/L	0.70 NTU	87.2 mV	60.24 ft	0.32 PSU	110.00 ml/min
7/31/2025 11:00 AM	10:00	6.81 pH	22.10 °C	646.08 µS/cm	0.84 mg/L	0.88 NTU	83.8 mV	60.24 ft	0.32 PSU	110.00 ml/min
7/31/2025 11:05 AM	15:00	6.81 pH	22.17 °C	649.76 µS/cm	0.84 mg/L	1.25 NTU	77.2 mV	60.24 ft	0.32 PSU	110.00 ml/min
7/31/2025 11:10 AM	20:00	6.81 pH	22.75 °C	648.81 µS/cm	0.84 mg/L	1.14 NTU	77.4 mV	60.24 ft	0.32 PSU	110.00 ml/min
7/31/2025 11:15 AM	25:00	6.81 pH	23.19 °C	646.70 µS/cm	0.84 mg/L	1.05 NTU	83.1 mV	60.24 ft	0.32 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWA-47D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/31/2025 11:49:55 AM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWA-48D **Well Diameter: 2 in** **Casing Type: LPDE** **Screen Length: 10 ft** **Top of Screen: 184.79 ft** **Total Depth: 194.79 ft** **Initial Depth to Water: 59.95 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 189.79 ft** **Estimated Total Volume Pumped: 12400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 3.85 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/31/2025 11:49 AM	00:00	7.404 pH	22.13 °C	523.3 µS/cm	0.385 mg/L	2.300 NTU	-59.5 mV	62.39 ft	0.255 PSU	120.0 ml/min
7/31/2025 11:54 AM	05:00	7.421 pH	22.13 °C	507.3 µS/cm	0.353 mg/L	3.630 NTU	-61.7 mV	62.63 ft	0.247 PSU	120.0 ml/min
7/31/2025 11:59 AM	10:00	7.429 pH	22.03 °C	502.2 µS/cm	0.349 mg/L	5.050 NTU	-65.6 mV	62.93 ft	0.245 PSU	120.0 ml/min
7/31/2025 12:04 PM	15:00	7.433 pH	22.30 °C	498.9 µS/cm	0.349 mg/L	5.260 NTU	-68.7 mV	63.25 ft	0.243 PSU	120.0 ml/min
7/31/2025 12:09 PM	20:00	7.438 pH	21.85 °C	498.0 µS/cm	0.351 mg/L	6.230 NTU	-70.0 mV	63.43 ft	0.243 PSU	120.0 ml/min
7/31/2025 12:14 PM	25:00	7.444 pH	22.16 °C	496.6 µS/cm	0.356 mg/L	7.230 NTU	-72.5 mV	63.51 ft	0.242 PSU	120.0 ml/min
7/31/2025 12:19 PM	30:00	7.445 pH	22.69 °C	498.1 µS/cm	0.376 mg/L	7.150 NTU	-75.3 mV	63.53 ft	0.243 PSU	110.0 ml/min
7/31/2025 12:24 PM	35:00	7.449 pH	22.47 °C	494.9 µS/cm	0.376 mg/L	8.310 NTU	-75.9 mV	63.53 ft	0.241 PSU	110.0 ml/min
7/31/2025 12:29 PM	40:00	7.450 pH	21.98 °C	493.9 µS/cm	0.385 mg/L	6.780 NTU	-76.1 mV	63.62 ft	0.241 PSU	110.0 ml/min
7/31/2025 12:34 PM	45:00	7.449 pH	22.21 °C	496.1 µS/cm	0.388 mg/L	6.550 NTU	-78.0 mV	63.65 ft	0.242 PSU	110.0 ml/min
7/31/2025 12:39 PM	50:00	7.451 pH	22.51 °C	493.6 µS/cm	0.381 mg/L	6.650 NTU	-79.4 mV	63.73 ft	0.240 PSU	110.0 ml/min
7/31/2025 12:44 PM	55:00	7.446 pH	22.69 °C	494.1 µS/cm	0.379 mg/L	6.630 NTU	-80.3 mV	63.73 ft	0.241 PSU	110.0 ml/min
7/31/2025 12:49 PM	01:00:00	7.447 pH	22.74 °C	491.0 µS/cm	0.378 mg/L	6.680 NTU	-80.7 mV	63.78 ft	0.239 PSU	110.0 ml/min
7/31/2025 12:54 PM	01:05:00	7.450 pH	22.42 °C	491.4 µS/cm	0.384 mg/L	6.180 NTU	-80.9 mV	63.78 ft	0.239 PSU	110.0 ml/min
7/31/2025 12:59 PM	01:10:00	7.451 pH	22.50 °C	495.3 µS/cm	0.392 mg/L	5.940 NTU	-81.7 mV	63.78 ft	0.241 PSU	110.0 ml/min

7/31/2025 1:04 PM	01:15:00	7.454 pH	22.83 °C	496.8 µS/cm	0.387 mg/L	6.320 NTU	-82.7 mV	63.78 ft	0.242 PSU	110.0 ml/min
7/31/2025 1:09 PM	01:20:00	7.453 pH	23.10 °C	505.3 µS/cm	0.387 mg/L	5.590 NTU	-84.7 mV	63.78 ft	0.246 PSU	110.0 ml/min
7/31/2025 1:14 PM	01:25:00	7.459 pH	22.78 °C	505.8 µS/cm	0.390 mg/L	5.570 NTU	-84.9 mV	63.78 ft	0.247 PSU	110.0 ml/min
7/31/2025 1:19 PM	01:30:00	7.460 pH	22.71 °C	512.3 µS/cm	0.393 mg/L	5.800 NTU	-86.0 mV	63.80 ft	0.250 PSU	110.0 ml/min
7/31/2025 1:24 PM	01:35:00	7.465 pH	22.64 °C	514.2 µS/cm	0.399 mg/L	5.150 NTU	-86.9 mV	63.80 ft	0.251 PSU	110.0 ml/min
7/31/2025 1:29 PM	01:40:00	7.466 pH	22.83 °C	514.9 µS/cm	0.395 mg/L	4.860 NTU	-88.2 mV	63.80 ft	0.251 PSU	110.0 ml/min
7/31/2025 1:34 PM	01:45:00	7.467 pH	22.43 °C	515.6 µS/cm	0.397 mg/L	4.010 NTU	-89.0 mV	63.80 ft	0.251 PSU	110.0 ml/min
7/31/2025 1:39 PM	01:50:00	7.472 pH	22.51 °C	518.4 µS/cm	0.395 mg/L	4.350 NTU	-90.5 mV	63.80 ft	0.253 PSU	110.0 ml/min

Samples

Sample ID:	Description:
BGWA-48D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/31/2025 1:10:44 PM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-50D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 177.28 ft** **Total Depth: 187.28 ft** **Initial Depth to Water: 48.06 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 182.28 ft** **Estimated Total Volume Pumped: 13200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 2.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

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	
7/31/2025 1:10 PM	00:00	7.44 pH	22.74 °C	1,115.1 µS/cm	0.55 mg/L	1.32 NTU	-76.5 mV	49.64 ft	0.56 PSU	120.00 ml/min
7/31/2025 1:15 PM	05:00	7.45 pH	22.33 °C	1,136.8 µS/cm	0.47 mg/L	0.75 NTU	-128.8 mV	49.91 ft	0.57 PSU	120.00 ml/min
7/31/2025 1:20 PM	10:00	7.45 pH	22.52 °C	1,145.8 µS/cm	0.43 mg/L	0.77 NTU	-86.2 mV	50.03 ft	0.58 PSU	120.00 ml/min
7/31/2025 1:25 PM	15:00	7.46 pH	22.26 °C	1,151.9 µS/cm	0.40 mg/L	1.05 NTU	-90.9 mV	50.14 ft	0.58 PSU	120.00 ml/min
7/31/2025 1:30 PM	20:00	7.47 pH	22.32 °C	1,143.9 µS/cm	0.38 mg/L	0.96 NTU	-93.4 mV	50.19 ft	0.57 PSU	120.00 ml/min
7/31/2025 1:35 PM	25:00	7.45 pH	22.17 °C	1,079.7 µS/cm	0.37 mg/L	1.14 NTU	-91.5 mV	50.28 ft	0.54 PSU	120.00 ml/min
7/31/2025 1:40 PM	30:00	7.42 pH	22.19 °C	1,020.4 µS/cm	0.37 mg/L	1.09 NTU	-93.2 mV	50.31 ft	0.51 PSU	120.00 ml/min
7/31/2025 1:45 PM	35:00	7.41 pH	22.44 °C	994.87 µS/cm	0.38 mg/L	0.87 NTU	-95.3 mV	50.38 ft	0.50 PSU	120.00 ml/min
7/31/2025 1:50 PM	40:00	7.40 pH	22.00 °C	963.82 µS/cm	0.38 mg/L	0.82 NTU	-93.0 mV	50.40 ft	0.48 PSU	120.00 ml/min
7/31/2025 1:55 PM	45:00	7.39 pH	22.10 °C	944.56 µS/cm	0.39 mg/L	1.15 NTU	-94.8 mV	50.42 ft	0.47 PSU	120.00 ml/min
7/31/2025 2:00 PM	50:00	7.40 pH	22.16 °C	915.22 µS/cm	0.40 mg/L	1.02 NTU	-93.8 mV	50.43 ft	0.46 PSU	120.00 ml/min
7/31/2025 2:05 PM	55:00	7.39 pH	22.29 °C	886.80 µS/cm	0.41 mg/L	1.33 NTU	-94.1 mV	50.44 ft	0.44 PSU	120.00 ml/min
7/31/2025 2:10 PM	01:00:00	7.39 pH	22.49 °C	857.05 µS/cm	0.43 mg/L	1.19 NTU	-92.8 mV	50.45 ft	0.43 PSU	120.00 ml/min
7/31/2025 2:15 PM	01:05:00	7.39 pH	22.16 °C	831.10 µS/cm	0.44 mg/L	1.22 NTU	-89.9 mV	50.45 ft	0.41 PSU	120.00 ml/min
7/31/2025 2:20 PM	01:10:00	7.39 pH	22.09 °C	812.25 µS/cm	0.45 mg/L	0.75 NTU	-89.1 mV	50.46 ft	0.40 PSU	120.00 ml/min

7/31/2025 2:25 PM	01:15:00	7.39 pH	23.88 °C	824.49 µS/cm	0.45 mg/L	1.83 NTU	-96.4 mV	50.46 ft	0.41 PSU	120.00 ml/min
7/31/2025 2:30 PM	01:20:00	7.39 pH	25.51 °C	812.04 µS/cm	0.44 mg/L	1.94 NTU	-98.2 mV	50.46 ft	0.40 PSU	120.00 ml/min
7/31/2025 2:35 PM	01:25:00	7.39 pH	23.78 °C	779.52 µS/cm	0.50 mg/L	1.00 NTU	-89.1 mV	49.58 ft	0.39 PSU	120.00 ml/min
7/31/2025 2:40 PM	01:30:00	7.39 pH	23.17 °C	779.09 µS/cm	0.59 mg/L	1.54 NTU	-86.5 mV	49.85 ft	0.39 PSU	120.00 ml/min
7/31/2025 2:45 PM	01:35:00	7.39 pH	22.84 °C	767.98 µS/cm	0.58 mg/L	1.21 NTU	-86.5 mV	50.00 ft	0.38 PSU	120.00 ml/min
7/31/2025 2:50 PM	01:40:00	7.39 pH	23.10 °C	753.95 µS/cm	0.57 mg/L	1.18 NTU	-86.0 mV	50.09 ft	0.37 PSU	120.00 ml/min
7/31/2025 2:55 PM	01:45:00	7.39 pH	23.15 °C	746.39 µS/cm	0.55 mg/L	1.29 NTU	-86.9 mV	50.17 ft	0.37 PSU	120.00 ml/min
7/31/2025 3:00 PM	01:50:00	7.39 pH	23.15 °C	738.81 µS/cm	0.56 mg/L	1.19 NTU	-85.6 mV	50.21 ft	0.36 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-50D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/31/2025 3:36:43 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-8 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 69.73 ft** **Total Depth: 79.73 ft** **Initial Depth to Water: 50.5 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 74.73 ft** **Estimated Total Volume Pumped: 2600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: -0.44 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/31/2025 3:36 PM	00:00	7.570 pH	21.70 °C	325.1 µS/cm	4.863 mg/L	0.580 NTU	39.0 mV	50.06 ft	0.157 PSU	130.0 ml/min
7/31/2025 3:41 PM	05:00	7.570 pH	21.88 °C	324.0 µS/cm	4.798 mg/L	0.770 NTU	41.2 mV	50.06 ft	0.156 PSU	130.0 ml/min
7/31/2025 3:46 PM	10:00	7.571 pH	21.75 °C	322.0 µS/cm	4.755 mg/L	0.730 NTU	49.6 mV	50.06 ft	0.155 PSU	130.0 ml/min
7/31/2025 3:51 PM	15:00	7.571 pH	21.98 °C	320.3 µS/cm	4.647 mg/L	0.740 NTU	52.2 mV	50.06 ft	0.154 PSU	130.0 ml/min
7/31/2025 3:56 PM	20:00	7.574 pH	21.89 °C	319.3 µS/cm	4.546 mg/L	0.590 NTU	54.5 mV	50.06 ft	0.154 PSU	130.0 ml/min

Samples

Sample ID:	Description:
BGWC-8	Metals, Inorganics, TDS, Radium
FD-01	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/4/2025 10:23:48 AM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.74 ft** **Total Depth: 63.74 ft** **Initial Depth to Water: 35.21 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 58.74 ft** **Estimated Total Volume Pumped: 9100 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/4/2025 10:23 AM	00:00	7.180 pH	18.61 °C	636.9 µS/cm	0.465 mg/L	4.910 NTU	21.3 mV	35.25 ft	0.312 PSU	130.0 ml/min
8/4/2025 10:28 AM	05:00	7.189 pH	18.54 °C	629.0 µS/cm	0.463 mg/L	4.490 NTU	20.7 mV	35.25 ft	0.308 PSU	130.0 ml/min
8/4/2025 10:33 AM	10:00	7.195 pH	18.56 °C	619.3 µS/cm	0.505 mg/L	3.620 NTU	18.4 mV	35.25 ft	0.303 PSU	130.0 ml/min
8/4/2025 10:38 AM	15:00	7.198 pH	18.51 °C	616.1 µS/cm	0.573 mg/L	3.570 NTU	16.2 mV	35.25 ft	0.302 PSU	130.0 ml/min
8/4/2025 10:43 AM	20:00	7.202 pH	18.55 °C	610.0 µS/cm	0.656 mg/L	3.120 NTU	15.1 mV	35.25 ft	0.299 PSU	130.0 ml/min
8/4/2025 10:48 AM	25:00	7.208 pH	18.59 °C	603.4 µS/cm	0.746 mg/L	2.290 NTU	15.0 mV	35.25 ft	0.295 PSU	130.0 ml/min
8/4/2025 10:53 AM	30:00	7.210 pH	18.62 °C	598.1 µS/cm	0.846 mg/L	2.340 NTU	16.0 mV	35.25 ft	0.293 PSU	130.0 ml/min
8/4/2025 10:58 AM	35:00	7.213 pH	18.68 °C	593.6 µS/cm	0.928 mg/L	2.310 NTU	16.4 mV	35.25 ft	0.291 PSU	130.0 ml/min
8/4/2025 11:03 AM	40:00	7.213 pH	18.71 °C	589.1 µS/cm	1.030 mg/L	1.720 NTU	17.4 mV	35.25 ft	0.288 PSU	130.0 ml/min
8/4/2025 11:08 AM	45:00	7.214 pH	18.70 °C	586.2 µS/cm	1.094 mg/L	1.650 NTU	18.7 mV	35.26 ft	0.287 PSU	130.0 ml/min
8/4/2025 11:13 AM	50:00	7.217 pH	18.80 °C	581.3 µS/cm	1.217 mg/L	2.060 NTU	19.7 mV	35.26 ft	0.284 PSU	130.0 ml/min
8/4/2025 11:18 AM	55:00	7.218 pH	18.77 °C	580.2 µS/cm	1.264 mg/L	1.170 NTU	21.3 mV	35.27 ft	0.284 PSU	130.0 ml/min
8/4/2025 11:23 AM	01:00:00	7.219 pH	18.77 °C	579.9 µS/cm	1.317 mg/L	1.260 NTU	22.7 mV	35.27 ft	0.284 PSU	130.0 ml/min
8/4/2025 11:28 AM	01:05:00	7.222 pH	18.73 °C	576.8 µS/cm	1.373 mg/L	1.520 NTU	23.6 mV	35.27 ft	0.282 PSU	130.0 ml/min
8/4/2025 11:33 AM	01:10:00	7.218 pH	18.73 °C	575.5 µS/cm	1.451 mg/L	1.440 NTU	24.2 mV	35.27 ft	0.281 PSU	130.0 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: 8/4/2025 10:48:22 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80.4 ft** **Total Depth: 90.4 ft** **Initial Depth to Water: 48.62 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 85.4 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 31.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 10L
Well historically does not stabilize drawdown. DTW fell into screen interval and below top of pump. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/4/2025 10:48 AM	00:00	6.94 pH	19.31 °C	793.80 µS/cm	1.55 mg/L	1.39 NTU	133.4 mV	64.97 ft	0.39 PSU	150.00 ml/min
8/4/2025 10:53 AM	05:00	6.94 pH	18.83 °C	797.23 µS/cm	1.58 mg/L	1.01 NTU	69.4 mV	66.39 ft	0.39 PSU	150.00 ml/min
8/4/2025 10:58 AM	10:00	6.95 pH	18.82 °C	796.12 µS/cm	1.64 mg/L	1.72 NTU	51.9 mV	67.16 ft	0.39 PSU	150.00 ml/min
8/4/2025 11:03 AM	15:00	6.96 pH	18.83 °C	801.35 µS/cm	1.71 mg/L	1.89 NTU	44.5 mV	68.08 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:08 AM	20:00	6.97 pH	18.87 °C	804.49 µS/cm	1.75 mg/L	0.71 NTU	39.9 mV	69.17 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:13 AM	25:00	6.97 pH	18.96 °C	806.97 µS/cm	1.77 mg/L	0.78 NTU	37.7 mV	70.07 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:18 AM	30:00	6.98 pH	18.92 °C	807.24 µS/cm	1.80 mg/L	1.02 NTU	35.5 mV	71.11 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:23 AM	35:00	6.98 pH	18.92 °C	806.89 µS/cm	1.86 mg/L	0.60 NTU	34.4 mV	72.10 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:28 AM	40:00	6.99 pH	18.88 °C	806.34 µS/cm	1.92 mg/L	1.23 NTU	33.7 mV	73.01 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:33 AM	45:00	7.00 pH	18.91 °C	806.01 µS/cm	1.99 mg/L	0.93 NTU	32.3 mV	74.00 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:38 AM	50:00	7.00 pH	18.92 °C	807.40 µS/cm	2.04 mg/L	0.76 NTU	31.7 mV	74.94 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:43 AM	55:00	7.01 pH	18.96 °C	807.97 µS/cm	2.06 mg/L	0.93 NTU	31.2 mV	75.83 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:48 AM	01:00:00	7.01 pH	18.95 °C	806.11 µS/cm	2.06 mg/L	1.35 NTU	30.5 mV	76.72 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:53 AM	01:05:00	7.01 pH	18.93 °C	805.14 µS/cm	2.07 mg/L	0.66 NTU	29.9 mV	77.61 ft	0.40 PSU	150.00 ml/min
8/4/2025 11:58 AM	01:10:00	7.01 pH	19.00 °C	806.51 µS/cm	2.08 mg/L	0.91 NTU	29.5 mV	78.48 ft	0.40 PSU	150.00 ml/min

8/4/2025 12:03 PM	01:15:00	7.01 pH	19.05 °C	808.20 µS/cm	2.05 mg/L	1.30 NTU	29.3 mV	79.31 ft	0.40 PSU	150.00 ml/min
8/4/2025 12:08 PM	01:20:00	7.01 pH	19.04 °C	806.61 µS/cm	2.03 mg/L	1.58 NTU	28.9 mV	79.64 ft	0.40 PSU	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/4/2025 12:57:26 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 68.28 ft** **Total Depth: 78.28 ft** **Initial Depth to Water: 42.72 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 73.28 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.33 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/4/2025 12:57 PM	00:00	6.878 pH	19.18 °C	1,390 µS/cm	1.654 mg/L	0.390 NTU	47.2 mV	43.03 ft	0.704 PSU	120.0 ml/min
8/4/2025 1:02 PM	05:00	6.881 pH	19.22 °C	1,382 µS/cm	1.555 mg/L	0.590 NTU	47.0 mV	43.03 ft	0.699 PSU	120.0 ml/min
8/4/2025 1:07 PM	10:00	6.877 pH	19.24 °C	1,380 µS/cm	1.445 mg/L	0.490 NTU	47.0 mV	43.03 ft	0.698 PSU	120.0 ml/min
8/4/2025 1:12 PM	15:00	6.872 pH	19.22 °C	1,385 µS/cm	1.381 mg/L	0.410 NTU	47.1 mV	43.03 ft	0.701 PSU	120.0 ml/min
8/4/2025 1:17 PM	20:00	6.869 pH	19.26 °C	1,391 µS/cm	1.336 mg/L	0.530 NTU	47.3 mV	43.05 ft	0.704 PSU	120.0 ml/min

Samples

Sample ID:	Description:
BGWC-12	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/4/2025 1:01:38 PM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.37 ft** **Total Depth: 62.37 ft** **Initial Depth to Water: 32.97 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 57.37 ft** **Estimated Total Volume Pumped: 18750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 18.69 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 3 L
DTW fell into screen interval and below top of pump. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/4/2025 1:01 PM	00:00	7.67 pH	20.78 °C	583.13 µS/cm	5.33 mg/L	0.70 NTU	114.4 mV	37.49 ft	0.29 PSU	150.00 ml/min
8/4/2025 1:06 PM	05:00	7.62 pH	19.05 °C	591.59 µS/cm	4.93 mg/L	0.39 NTU	70.3 mV	38.17 ft	0.29 PSU	150.00 ml/min
8/4/2025 1:11 PM	10:00	7.62 pH	18.92 °C	604.09 µS/cm	4.90 mg/L	0.48 NTU	46.1 mV	39.08 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:16 PM	15:00	7.62 pH	18.90 °C	605.88 µS/cm	4.89 mg/L	0.81 NTU	44.3 mV	39.90 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:21 PM	20:00	7.62 pH	18.90 °C	605.73 µS/cm	4.88 mg/L	0.77 NTU	43.8 mV	40.66 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:26 PM	25:00	7.62 pH	18.99 °C	605.58 µS/cm	4.85 mg/L	0.50 NTU	43.6 mV	41.31 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:31 PM	30:00	7.62 pH	19.04 °C	605.29 µS/cm	4.84 mg/L	0.88 NTU	43.6 mV	42.18 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:36 PM	35:00	7.62 pH	19.09 °C	605.17 µS/cm	4.84 mg/L	0.58 NTU	43.8 mV	42.79 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:41 PM	40:00	7.62 pH	19.18 °C	602.82 µS/cm	4.78 mg/L	0.74 NTU	43.4 mV	43.41 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:46 PM	45:00	7.62 pH	19.14 °C	603.58 µS/cm	4.75 mg/L	0.83 NTU	43.4 mV	44.05 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:51 PM	50:00	7.62 pH	19.09 °C	603.19 µS/cm	4.70 mg/L	0.76 NTU	43.6 mV	44.69 ft	0.30 PSU	150.00 ml/min
8/4/2025 1:56 PM	55:00	7.62 pH	19.18 °C	603.44 µS/cm	4.61 mg/L	0.74 NTU	43.6 mV	45.32 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:01 PM	01:00:00	7.62 pH	19.22 °C	606.09 µS/cm	4.55 mg/L	0.42 NTU	43.6 mV	45.87 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:06 PM	01:05:00	7.61 pH	19.22 °C	604.84 µS/cm	4.42 mg/L	0.98 NTU	43.6 mV	46.51 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:11 PM	01:10:00	7.61 pH	19.31 °C	605.91 µS/cm	4.34 mg/L	0.78 NTU	43.6 mV	46.99 ft	0.30 PSU	150.00 ml/min

8/4/2025 2:16 PM	01:15:00	7.61 pH	19.27 °C	606.52 µS/cm	4.26 mg/L	0.63 NTU	43.7 mV	47.54 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:21 PM	01:20:00	7.60 pH	19.19 °C	605.09 µS/cm	4.14 mg/L	0.62 NTU	43.7 mV	48.05 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:26 PM	01:25:00	7.60 pH	19.21 °C	605.57 µS/cm	4.12 mg/L	0.50 NTU	43.6 mV	48.50 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:31 PM	01:30:00	7.60 pH	19.18 °C	605.51 µS/cm	3.98 mg/L	0.68 NTU	43.7 mV	48.96 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:36 PM	01:35:00	7.59 pH	19.22 °C	607.09 µS/cm	3.88 mg/L	0.70 NTU	43.5 mV	49.43 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:41 PM	01:40:00	7.59 pH	19.23 °C	605.50 µS/cm	3.75 mg/L	0.51 NTU	43.5 mV	49.98 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:46 PM	01:45:00	7.58 pH	19.14 °C	605.40 µS/cm	3.61 mg/L	0.85 NTU	43.6 mV	50.39 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:51 PM	01:50:00	7.58 pH	19.15 °C	607.07 µS/cm	3.50 mg/L	0.80 NTU	43.5 mV	50.79 ft	0.30 PSU	150.00 ml/min
8/4/2025 2:56 PM	01:55:00	7.57 pH	19.23 °C	607.74 µS/cm	3.39 mg/L	0.52 NTU	43.5 mV	51.25 ft	0.30 PSU	150.00 ml/min
8/4/2025 3:01 PM	02:00:00	7.57 pH	19.32 °C	607.57 µS/cm	3.26 mg/L	0.48 NTU	43.1 mV	51.63 ft	0.30 PSU	150.00 ml/min
8/4/2025 3:06 PM	02:05:00	7.56 pH	19.34 °C	608.30 µS/cm	3.16 mg/L	0.83 NTU	42.5 mV	51.66 ft	0.30 PSU	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/4/2025 2:51:18 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-14A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 89.46 ft** **Total Depth: 99.46 ft** **Initial Depth to Water: 71.33 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 94.46 ft** **Estimated Total Volume Pumped: 2800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/4/2025 2:51 PM	00:00	6.803 pH	19.44 °C	1,305 µS/cm	0.841 mg/L	0.260 NTU	58.2 mV	71.35 ft	0.658 PSU	140.0 ml/min
8/4/2025 2:56 PM	05:00	6.801 pH	19.58 °C	1,300 µS/cm	0.575 mg/L	0.270 NTU	60.5 mV	71.37 ft	0.656 PSU	140.0 ml/min
8/4/2025 3:01 PM	10:00	6.801 pH	19.66 °C	1,301 µS/cm	0.470 mg/L	0.350 NTU	57.8 mV	71.37 ft	0.657 PSU	140.0 ml/min
8/4/2025 3:06 PM	15:00	6.800 pH	19.56 °C	1,298 µS/cm	0.414 mg/L	0.390 NTU	57.8 mV	71.37 ft	0.655 PSU	140.0 ml/min
8/4/2025 3:11 PM	20:00	6.801 pH	19.49 °C	1,293 µS/cm	0.404 mg/L	0.420 NTU	57.8 mV	71.38 ft	0.653 PSU	140.0 ml/min

Samples

Sample ID:	Description:
BGWC-14A	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/5/2025 10:25:44 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80.4 ft** **Total Depth: 90.4 ft** **Initial Depth to Water: 65.85 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 85.4 ft** **Estimated Total Volume Pumped: 220 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.74 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Complete evac performed 8/4/2025.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/5/2025 10:25 AM	00:00	7.03 pH	20.38 °C	799.17 µS/cm	3.88 mg/L	0.74 NTU	89.6 mV	66.59 ft	0.40 PSU	110.00 ml/min
8/5/2025 10:26 AM	01:00	7.02 pH	19.85 °C	813.43 µS/cm	3.60 mg/L		83.1 mV	66.59 ft	0.40 PSU	110.00 ml/min
8/5/2025 10:27 AM	02:00	7.01 pH	19.42 °C	821.93 µS/cm	3.39 mg/L	0.74 NTU	43.4 mV	66.59 ft	0.41 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-7	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 10:59:06 AM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.87 ft** **Total Depth: 48.87 ft** **Initial Depth to Water: 18.02 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 43.87 ft** **Estimated Total Volume Pumped: 2600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/5/2025 10:59 AM	00:00	6.215 pH	19.02 °C	1,147 µS/cm	0.469 mg/L	1.270 NTU	79.5 mV	18.06 ft	0.576 PSU	140.0 ml/min
8/5/2025 11:04 AM	05:00	6.217 pH	18.95 °C	1,118 µS/cm	0.330 mg/L	1.840 NTU	77.2 mV	18.06 ft	0.560 PSU	140.0 ml/min
8/5/2025 11:09 AM	10:00	6.221 pH	19.10 °C	1,114 µS/cm	0.264 mg/L	2.450 NTU	76.5 mV	18.06 ft	0.558 PSU	120.0 ml/min
8/5/2025 11:14 AM	15:00	6.219 pH	19.17 °C	1,114 µS/cm	0.277 mg/L	2.120 NTU	75.7 mV	18.06 ft	0.558 PSU	120.0 ml/min
8/5/2025 11:19 AM	20:00	6.219 pH	19.24 °C	1,113 µS/cm	0.259 mg/L	1.670 NTU	75.2 mV	18.06 ft	0.558 PSU	120.0 ml/min

Samples

Sample ID:	Description:
BGWC-16	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/5/2025 11:41:47 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.37 ft** **Total Depth: 62.37 ft** **Initial Depth to Water: 34.03 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 57.37 ft** **Estimated Total Volume Pumped: 240 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Complete evac performed 8/4/2025

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/5/2025 11:41 AM	00:00	7.49 pH	20.11 °C	615.37 µS/cm	3.85 mg/L	0.72 NTU	90.4 mV	34.07 ft	0.30 PSU	120.00 ml/min
8/5/2025 11:42 AM	01:00	7.46 pH	19.68 °C	639.03 µS/cm	3.20 mg/L		62.5 mV	34.07 ft	0.31 PSU	120.00 ml/min
8/5/2025 11:43 AM	02:00	7.43 pH	19.44 °C	642.10 µS/cm	2.59 mg/L	0.72 NTU	49.6 mV	34.07 ft	0.32 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-10	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 12:45:46 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 58.39 ft** **Total Depth: 68.39 ft** **Initial Depth to Water: 16.81 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 63.39 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/5/2025 12:45 PM	00:00	7.217 pH	19.35 °C	702.6 µS/cm	0.625 mg/L	0.480 NTU	67.9 mV	16.85 ft	0.346 PSU	160.0 ml/min
8/5/2025 12:50 PM	05:00	7.217 pH	19.37 °C	701.1 µS/cm	0.508 mg/L	0.480 NTU	73.7 mV	16.85 ft	0.345 PSU	160.0 ml/min
8/5/2025 12:55 PM	10:00	7.220 pH	19.30 °C	702.4 µS/cm	0.437 mg/L	0.440 NTU	66.5 mV	16.85 ft	0.346 PSU	160.0 ml/min
8/5/2025 1:00 PM	15:00	7.225 pH	19.31 °C	702.9 µS/cm	0.410 mg/L	0.450 NTU	65.7 mV	16.85 ft	0.346 PSU	160.0 ml/min
8/5/2025 1:05 PM	20:00	7.225 pH	19.27 °C	702.6 µS/cm	0.361 mg/L	0.370 NTU	65.3 mV	16.85 ft	0.346 PSU	160.0 ml/min

Samples

Sample ID:	Description:
BGWC-17	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:25:46 PM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 79.17 ft** **Total Depth: 89.17 ft** **Initial Depth to Water: 60.72 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 84.17 ft** **Estimated Total Volume Pumped: 4800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/5/2025 1:25 PM	00:00	7.126 pH	23.04 °C	408.5 µS/cm	3.956 mg/L	11.23 NTU	400.4 mV	60.77 ft	0.198 PSU	120.0 ml/min
8/5/2025 1:30 PM	05:00	7.374 pH	19.91 °C	411.9 µS/cm	3.498 mg/L	7.460 NTU	497.8 mV	60.77 ft	0.200 PSU	120.0 ml/min
8/5/2025 1:35 PM	10:00	7.393 pH	19.69 °C	410.8 µS/cm	3.299 mg/L	7.550 NTU	494.1 mV	60.77 ft	0.199 PSU	120.0 ml/min
8/5/2025 1:40 PM	15:00	7.396 pH	19.73 °C	408.9 µS/cm	3.054 mg/L	5.180 NTU	487.6 mV	60.77 ft	0.198 PSU	120.0 ml/min
8/5/2025 1:45 PM	20:00	7.406 pH	19.73 °C	408.1 µS/cm	2.992 mg/L	4.220 NTU	487.9 mV	60.77 ft	0.198 PSU	120.0 ml/min
8/5/2025 1:50 PM	25:00	7.412 pH	19.65 °C	408.1 µS/cm	2.845 mg/L	5.530 NTU	490.5 mV	60.77 ft	0.198 PSU	120.0 ml/min
8/5/2025 1:55 PM	30:00	7.415 pH	19.69 °C	407.9 µS/cm	2.751 mg/L	4.920 NTU	485.7 mV	60.77 ft	0.198 PSU	120.0 ml/min
8/5/2025 2:00 PM	35:00	7.419 pH	19.85 °C	407.4 µS/cm	2.699 mg/L	2.830 NTU	492.8 mV	60.77 ft	0.197 PSU	120.0 ml/min
8/5/2025 2:05 PM	40:00	7.427 pH	19.85 °C	406.3 µS/cm	2.642 mg/L	2.390 NTU	494.7 mV	60.77 ft	0.197 PSU	120.0 ml/min

Samples

Sample ID:	Description:
BGWA-2	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:32:36 PM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-30 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.98 ft** **Total Depth: 59.98 ft** **Initial Depth to Water: 32.14 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 54.98 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/5/2025 1:32 PM	00:00	7.41 pH	24.08 °C	661.05 µS/cm	3.06 mg/L	1.36 NTU	76.9 mV	32.14 ft	0.33 PSU	120.00 ml/min
8/5/2025 1:37 PM	05:00	7.34 pH	22.08 °C	699.62 µS/cm	2.42 mg/L	1.70 NTU	50.3 mV	32.15 ft	0.34 PSU	120.00 ml/min
8/5/2025 1:42 PM	10:00	7.33 pH	21.99 °C	704.63 µS/cm	2.33 mg/L	1.37 NTU	47.3 mV	32.15 ft	0.35 PSU	120.00 ml/min
8/5/2025 1:47 PM	15:00	7.34 pH	21.95 °C	705.33 µS/cm	2.32 mg/L	1.20 NTU	47.1 mV	32.15 ft	0.35 PSU	120.00 ml/min
8/5/2025 1:52 PM	20:00	7.34 pH	21.90 °C	707.20 µS/cm	2.33 mg/L	1.35 NTU	47.0 mV	32.15 ft	0.35 PSU	120.00 ml/min
8/5/2025 1:57 PM	25:00	7.34 pH	21.99 °C	710.17 µS/cm	2.35 mg/L	1.13 NTU	46.5 mV	32.15 ft	0.35 PSU	120.00 ml/min
8/5/2025 2:02 PM	30:00	7.34 pH	22.15 °C	715.01 µS/cm	2.28 mg/L	1.06 NTU	46.3 mV	32.15 ft	0.35 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-30	Metals, Inorganics, TDS, Radium
FD-02	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/5/2025 2:13:07 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.95 ft** **Total Depth: 37.95 ft** **Initial Depth to Water: 15.19 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 32.95 ft** **Estimated Total Volume Pumped: 3250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/5/2025 2:13 PM	00:00	6.805 pH	19.56 °C	531.3 µS/cm	0.579 mg/L	0.050 NTU	54.8 mV	15.21 ft	0.259 PSU	130.0 ml/min
8/5/2025 2:18 PM	05:00	6.799 pH	19.49 °C	533.2 µS/cm	0.547 mg/L	0.080 NTU	54.8 mV	15.21 ft	0.260 PSU	130.0 ml/min
8/5/2025 2:23 PM	10:00	6.789 pH	19.44 °C	534.3 µS/cm	0.565 mg/L	0.140 NTU	54.9 mV	15.21 ft	0.261 PSU	130.0 ml/min
8/5/2025 2:28 PM	15:00	6.790 pH	19.48 °C	535.2 µS/cm	0.473 mg/L	0.070 NTU	54.9 mV	15.21 ft	0.261 PSU	130.0 ml/min
8/5/2025 2:33 PM	20:00	6.792 pH	19.53 °C	535.7 µS/cm	0.381 mg/L	0.280 NTU	55.0 mV	15.22 ft	0.261 PSU	130.0 ml/min
8/5/2025 2:38 PM	25:00	6.797 pH	19.49 °C	537.8 µS/cm	0.302 mg/L	0.270 NTU	55.1 mV	15.24 ft	0.262 PSU	130.0 ml/min

Samples

Sample ID:	Description:
BGWC-18	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 10:37:17 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-49D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 300.68 ft** **Total Depth: 310.68 ft** **Initial Depth to Water: 31.09 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 305.68 ft** **Estimated Total Volume Pumped: 25800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 29.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 8 L
Pump rate decreased to 100 ml/min to stabilize drawdown

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/6/2025 10:37 AM	00:00	7.33 pH	21.72 °C	2,052.7 µS/cm	0.11 mg/L	0.52 NTU	2.6 mV	41.31 ft	1.06 PSU	170.00 ml/min
8/6/2025 10:42 AM	05:00	7.34 pH	21.68 °C	2,065.1 µS/cm	0.11 mg/L	0.86 NTU	-15.6 mV	42.07 ft	1.07 PSU	170.00 ml/min
8/6/2025 10:47 AM	10:00	7.34 pH	21.72 °C	2,056.3 µS/cm	0.10 mg/L	0.47 NTU	-13.7 mV	42.97 ft	1.06 PSU	170.00 ml/min
8/6/2025 10:52 AM	15:00	7.34 pH	22.09 °C	2,059.3 µS/cm	0.10 mg/L	0.48 NTU	-14.0 mV	43.75 ft	1.06 PSU	170.00 ml/min
8/6/2025 10:57 AM	20:00	7.35 pH	22.30 °C	2,052.2 µS/cm	0.10 mg/L	0.58 NTU	-14.6 mV	44.49 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:02 AM	25:00	7.35 pH	22.31 °C	2,054.1 µS/cm	0.10 mg/L	1.54 NTU	-14.3 mV	45.24 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:07 AM	30:00	7.35 pH	22.55 °C	2,056.8 µS/cm	0.09 mg/L	3.13 NTU	-14.8 mV	46.05 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:12 AM	35:00	7.35 pH	22.70 °C	2,045.8 µS/cm	0.09 mg/L	2.73 NTU	-14.6 mV	46.62 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:17 AM	40:00	7.35 pH	22.54 °C	2,041.5 µS/cm	0.09 mg/L	1.84 NTU	-14.1 mV	47.28 ft	1.05 PSU	170.00 ml/min
8/6/2025 11:22 AM	45:00	7.35 pH	22.31 °C	2,049.5 µS/cm	0.09 mg/L	1.37 NTU	-13.5 mV	47.98 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:27 AM	50:00	7.36 pH	22.54 °C	2,045.0 µS/cm	0.09 mg/L	1.08 NTU	-13.4 mV	48.73 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:32 AM	55:00	7.36 pH	22.64 °C	2,048.5 µS/cm	0.09 mg/L	0.77 NTU	-13.3 mV	49.17 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:37 AM	01:00:00	7.36 pH	22.65 °C	2,048.2 µS/cm	0.09 mg/L	0.70 NTU	-12.8 mV	49.91 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:42 AM	01:05:00	7.36 pH	22.66 °C	2,047.2 µS/cm	0.09 mg/L	0.87 NTU	-12.3 mV	50.40 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:47 AM	01:10:00	7.36 pH	22.61 °C	2,051.0 µS/cm	0.09 mg/L	1.29 NTU	-11.8 mV	50.98 ft	1.06 PSU	170.00 ml/min

8/6/2025 11:52 AM	01:15:00	7.36 pH	22.49 °C	2,059.6 µS/cm	0.10 mg/L	0.70 NTU	-11.6 mV	51.50 ft	1.06 PSU	170.00 ml/min
8/6/2025 11:57 AM	01:20:00	7.37 pH	22.37 °C	2,053.7 µS/cm	0.10 mg/L	0.88 NTU	-11.1 mV	52.05 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:02 PM	01:25:00	7.37 pH	22.45 °C	2,057.8 µS/cm	0.10 mg/L	0.70 NTU	-10.4 mV	52.49 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:07 PM	01:30:00	7.37 pH	22.39 °C	2,057.4 µS/cm	0.10 mg/L	0.71 NTU	-10.4 mV	53.09 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:12 PM	01:35:00	7.37 pH	22.17 °C	2,063.1 µS/cm	0.09 mg/L	1.07 NTU	-9.7 mV	53.70 ft	1.07 PSU	170.00 ml/min
8/6/2025 12:17 PM	01:40:00	7.37 pH	21.97 °C	2,053.7 µS/cm	0.09 mg/L	0.97 NTU	-11.7 mV	54.50 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:22 PM	01:45:00	7.37 pH	21.99 °C	2,050.3 µS/cm	0.10 mg/L	1.68 NTU	-13.8 mV	55.20 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:27 PM	01:50:00	7.37 pH	22.07 °C	2,054.0 µS/cm	0.10 mg/L	1.85 NTU	-14.8 mV	55.90 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:32 PM	01:55:00	7.37 pH	22.02 °C	2,054.7 µS/cm	0.10 mg/L	1.33 NTU	-14.1 mV	56.59 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:37 PM	02:00:00	7.37 pH	22.04 °C	2,050.1 µS/cm	0.10 mg/L	1.23 NTU	-14.4 mV	57.36 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:42 PM	02:05:00	7.37 pH	21.98 °C	2,048.0 µS/cm	0.11 mg/L	1.46 NTU	-14.0 mV	58.03 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:47 PM	02:10:00	7.37 pH	21.95 °C	2,051.2 µS/cm	0.11 mg/L	1.54 NTU	-13.8 mV	58.60 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:52 PM	02:15:00	7.37 pH	22.02 °C	2,057.0 µS/cm	0.11 mg/L	1.19 NTU	-13.9 mV	59.30 ft	1.06 PSU	170.00 ml/min
8/6/2025 12:57 PM	02:20:00	7.37 pH	22.08 °C	2,050.3 µS/cm	0.11 mg/L	1.14 NTU	-13.9 mV	59.81 ft	1.06 PSU	100.00 ml/min
8/6/2025 1:02 PM	02:25:00	7.38 pH	22.27 °C	2,050.7 µS/cm	0.13 mg/L	1.58 NTU	-13.6 mV	59.96 ft	1.06 PSU	100.00 ml/min
8/6/2025 1:07 PM	02:30:00	7.38 pH	22.26 °C	2,052.2 µS/cm	0.14 mg/L	1.51 NTU	-12.9 mV	60.11 ft	1.06 PSU	100.00 ml/min
8/6/2025 1:12 PM	02:35:00	7.38 pH	22.44 °C	2,062.7 µS/cm	0.12 mg/L	1.70 NTU	-0.4 mV	60.17 ft	1.07 PSU	100.00 ml/min
8/6/2025 1:17 PM	02:40:00	7.39 pH	22.48 °C	2,059.3 µS/cm	0.12 mg/L	1.69 NTU	7.1 mV	60.25 ft	1.06 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-49D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/6/2025 2:23:05 PM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.58 ft** **Total Depth: 54.58 ft** **Initial Depth to Water: 15.73 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 49.58 ft** **Estimated Total Volume Pumped: 4250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 170 ml/min** **Final Draw Down: 1.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/6/2025 2:23 PM	00:00	6.691 pH	20.33 °C	638.3 µS/cm	0.463 mg/L	1.370 NTU	609.4 mV	16.87 ft	0.313 PSU	170.0 ml/min
8/6/2025 2:28 PM	05:00	6.683 pH	20.41 °C	638.6 µS/cm	0.366 mg/L	0.750 NTU	608.0 mV	16.95 ft	0.314 PSU	170.0 ml/min
8/6/2025 2:33 PM	10:00	6.692 pH	20.83 °C	637.7 µS/cm	0.337 mg/L	1.100 NTU	508.5 mV	16.95 ft	0.313 PSU	170.0 ml/min
8/6/2025 2:38 PM	15:00	6.696 pH	20.52 °C	639.1 µS/cm	0.290 mg/L	1.700 NTU	522.0 mV	17.00 ft	0.314 PSU	170.0 ml/min
8/6/2025 2:43 PM	20:00	6.695 pH	20.76 °C	636.3 µS/cm	0.238 mg/L	1.690 NTU	511.7 mV	17.01 ft	0.312 PSU	170.0 ml/min
8/6/2025 2:48 PM	25:00	6.695 pH	20.25 °C	638.8 µS/cm	0.256 mg/L	1.510 NTU	502.3 mV	17.03 ft	0.314 PSU	170.0 ml/min

Samples

Sample ID:	Description:
BGWC-19	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 3:22:12 PM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-38D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 118.11 ft** **Total Depth: 128.11 ft** **Initial Depth to Water: 31.4 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 123.11 ft** **Estimated Total Volume Pumped: 2875 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 115 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

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	
8/6/2025 3:22 PM	00:00	6.84 pH	23.04 °C	1,340.6 µS/cm	0.70 mg/L	4.28 NTU	8.7 mV	31.41 ft	0.68 PSU	115.00 ml/min
8/6/2025 3:27 PM	05:00	6.82 pH	22.62 °C	1,352.4 µS/cm	0.62 mg/L	3.15 NTU	26.0 mV	31.41 ft	0.68 PSU	115.00 ml/min
8/6/2025 3:32 PM	10:00	6.83 pH	22.89 °C	1,340.1 µS/cm	0.53 mg/L	2.26 NTU	42.6 mV	31.41 ft	0.68 PSU	115.00 ml/min
8/6/2025 3:37 PM	15:00	6.83 pH	23.01 °C	1,342.7 µS/cm	0.47 mg/L	1.82 NTU	45.0 mV	31.41 ft	0.68 PSU	115.00 ml/min
8/6/2025 3:42 PM	20:00	6.84 pH	23.09 °C	1,348.5 µS/cm	0.42 mg/L	1.34 NTU	47.8 mV	31.42 ft	0.68 PSU	115.00 ml/min
8/6/2025 3:47 PM	25:00	6.85 pH	23.24 °C	1,347.6 µS/cm	0.39 mg/L	1.23 NTU	49.8 mV	31.42 ft	0.68 PSU	115.00 ml/min

Samples

Sample ID:	Description:
BGWC-38D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 10:13:03 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-43D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 156.01 ft** **Total Depth: 166.01 ft** **Initial Depth to Water: 31.32 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 161.01 ft** **Estimated Total Volume Pumped: 3900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/7/2025 10:13 AM	00:00	6.97 pH	25.45 °C	1,497.9 µS/cm	0.52 mg/L	2.91 NTU	36.3 mV	31.32 ft	0.76 PSU	130.00 ml/min
8/7/2025 10:18 AM	05:00	7.02 pH	22.30 °C	1,665.7 µS/cm	0.17 mg/L	1.41 NTU	-12.8 mV	31.33 ft	0.85 PSU	130.00 ml/min
8/7/2025 10:23 AM	10:00	7.03 pH	22.04 °C	1,627.4 µS/cm	0.14 mg/L	0.66 NTU	15.7 mV	31.33 ft	0.83 PSU	130.00 ml/min
8/7/2025 10:28 AM	15:00	7.04 pH	22.17 °C	1,625.7 µS/cm	0.12 mg/L	0.53 NTU	15.5 mV	31.34 ft	0.83 PSU	130.00 ml/min
8/7/2025 10:33 AM	20:00	7.04 pH	22.05 °C	1,624.8 µS/cm	0.11 mg/L	0.64 NTU	16.3 mV	31.35 ft	0.83 PSU	130.00 ml/min
8/7/2025 10:38 AM	25:00	7.05 pH	22.06 °C	1,620.0 µS/cm	0.11 mg/L	0.62 NTU	17.3 mV	31.36 ft	0.83 PSU	130.00 ml/min
8/7/2025 10:43 AM	30:00	7.05 pH	22.06 °C	1,629.4 µS/cm	0.10 mg/L	0.54 NTU	18.1 mV	31.37 ft	0.83 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-43D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2025 11:10:14 AM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.73 ft** **Total Depth: 49.73 ft** **Initial Depth to Water: 16.46 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 44.73 ft** **Estimated Total Volume Pumped: 15150 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 10.52 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/7/2025 11:10 AM	00:00	6.930 pH	20.53 °C	1,882 µS/cm	0.284 mg/L	0.190 NTU	388.2 mV	21.20 ft	0.967 PSU	150.0 ml/min
8/7/2025 11:15 AM	05:00	7.030 pH	20.72 °C	1,872 µS/cm	0.290 mg/L	0.330 NTU	557.7 mV	21.59 ft	0.962 PSU	150.0 ml/min
8/7/2025 11:20 AM	10:00	7.050 pH	20.30 °C	1,905 µS/cm	0.235 mg/L	0.150 NTU	466.1 mV	22.17 ft	0.979 PSU	150.0 ml/min
8/7/2025 11:25 AM	15:00	7.052 pH	20.62 °C	1,901 µS/cm	0.193 mg/L	0.210 NTU	459.1 mV	22.44 ft	0.977 PSU	150.0 ml/min
8/7/2025 11:30 AM	20:00	7.069 pH	20.40 °C	1,901 µS/cm	0.243 mg/L	0.150 NTU	444.9 mV	22.85 ft	0.977 PSU	150.0 ml/min
8/7/2025 11:35 AM	25:00	7.067 pH	20.53 °C	1,893 µS/cm	0.198 mg/L	0.180 NTU	446.8 mV	23.10 ft	0.973 PSU	150.0 ml/min
8/7/2025 11:40 AM	30:00	7.084 pH	20.59 °C	1,893 µS/cm	0.261 mg/L	0.210 NTU	439.7 mV	23.31 ft	0.973 PSU	150.0 ml/min
8/7/2025 11:45 AM	35:00	7.088 pH	20.25 °C	1,893 µS/cm	0.246 mg/L	0.200 NTU	439.2 mV	23.62 ft	0.973 PSU	150.0 ml/min
8/7/2025 11:50 AM	40:00	7.086 pH	20.55 °C	1,894 µS/cm	0.183 mg/L	0.230 NTU	423.5 mV	23.81 ft	0.973 PSU	150.0 ml/min
8/7/2025 11:55 AM	45:00	7.107 pH	20.55 °C	1,885 µS/cm	0.274 mg/L	0.190 NTU	413.9 mV	23.93 ft	0.969 PSU	120.0 ml/min
8/7/2025 12:00 PM	50:00	7.107 pH	20.35 °C	1,886 µS/cm	0.236 mg/L	0.290 NTU	410.1 mV	24.08 ft	0.969 PSU	120.0 ml/min
8/7/2025 12:05 PM	55:00	7.104 pH	20.11 °C	1,873 µS/cm	0.229 mg/L	0.280 NTU	413.0 mV	24.40 ft	0.962 PSU	120.0 ml/min
8/7/2025 12:10 PM	01:00:00	7.099 pH	20.53 °C	1,869 µS/cm	0.220 mg/L	0.250 NTU	420.7 mV	24.65 ft	0.960 PSU	120.0 ml/min
8/7/2025 12:15 PM	01:05:00	7.115 pH	20.18 °C	1,849 µS/cm	0.215 mg/L	0.230 NTU	430.8 mV	24.89 ft	0.949 PSU	120.0 ml/min
8/7/2025 12:20 PM	01:10:00	7.103 pH	20.09 °C	1,849 µS/cm	0.239 mg/L	0.220 NTU	439.7 mV	25.34 ft	0.949 PSU	120.0 ml/min

8/7/2025 12:25 PM	01:15:00	7.117 pH	20.18 °C	1,848 µS/cm	0.213 mg/L	0.170 NTU	409.4 mV	25.55 ft	0.949 PSU	120.0 ml/min
8/7/2025 12:30 PM	01:20:00	7.120 pH	19.95 °C	1,838 µS/cm	0.224 mg/L	0.190 NTU	423.4 mV	25.90 ft	0.943 PSU	120.0 ml/min
8/7/2025 12:35 PM	01:25:00	7.117 pH	20.41 °C	1,831 µS/cm	0.204 mg/L	0.150 NTU	414.7 mV	26.08 ft	0.940 PSU	120.0 ml/min
8/7/2025 12:40 PM	01:30:00	7.141 pH	20.24 °C	1,806 µS/cm	0.196 mg/L	0.200 NTU	430.2 mV	26.30 ft	0.926 PSU	120.0 ml/min
8/7/2025 12:45 PM	01:35:00	7.136 pH	20.00 °C	1,812 µS/cm	0.228 mg/L	0.180 NTU	426.7 mV	26.58 ft	0.929 PSU	120.0 ml/min
8/7/2025 12:50 PM	01:40:00	7.139 pH	20.52 °C	1,795 µS/cm	0.199 mg/L	0.260 NTU	438.6 mV	26.65 ft	0.920 PSU	120.0 ml/min
8/7/2025 12:55 PM	01:45:00	7.153 pH	20.48 °C	1,783 µS/cm	0.208 mg/L	0.190 NTU	453.7 mV	26.70 ft	0.913 PSU	120.0 ml/min
8/7/2025 1:00 PM	01:50:00	7.159 pH	20.61 °C	1,772 µS/cm	0.177 mg/L	0.190 NTU	445.3 mV	26.80 ft	0.908 PSU	120.0 ml/min
8/7/2025 1:05 PM	01:55:00	7.161 pH	20.22 °C	1,773 µS/cm	0.204 mg/L	0.150 NTU	445.4 mV	26.98 ft	0.908 PSU	120.0 ml/min

Samples

Sample ID:	Description:
BGWC-20	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2025 11:54:20 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-36D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 86.35 ft** **Total Depth: 96.35 ft** **Initial Depth to Water: 32.2 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 91.35 ft** **Estimated Total Volume Pumped: 5700 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/7/2025 11:54 AM	00:00	7.00 pH	23.08 °C	1,141.5 µS/cm	2.33 mg/L	0.40 NTU	75.3 mV	32.20 ft	0.57 PSU	150.00 ml/min
8/7/2025 11:59 AM	05:00	7.11 pH	22.89 °C	1,102.8 µS/cm	1.79 mg/L	0.53 NTU	66.0 mV	32.20 ft	0.55 PSU	150.00 ml/min
8/7/2025 12:04 PM	10:00	7.17 pH	22.93 °C	1,113.5 µS/cm	1.54 mg/L	0.47 NTU	63.2 mV	32.20 ft	0.56 PSU	150.00 ml/min
8/7/2025 12:09 PM	15:00	7.20 pH	23.60 °C	1,055.9 µS/cm	1.40 mg/L	0.51 NTU	62.1 mV	32.20 ft	0.53 PSU	150.00 ml/min
8/7/2025 12:14 PM	20:00	7.22 pH	23.87 °C	1,064.5 µS/cm	1.32 mg/L	0.32 NTU	62.6 mV	32.20 ft	0.53 PSU	150.00 ml/min
8/7/2025 12:19 PM	25:00	7.23 pH	23.98 °C	1,101.2 µS/cm	1.25 mg/L	0.59 NTU	63.2 mV	32.20 ft	0.55 PSU	150.00 ml/min
8/7/2025 12:24 PM	30:00	7.24 pH	23.97 °C	1,055.1 µS/cm	1.22 mg/L	0.48 NTU	64.2 mV	32.20 ft	0.53 PSU	120.00 ml/min
8/7/2025 12:29 PM	35:00	7.24 pH	23.87 °C	1,082.3 µS/cm	1.20 mg/L	0.33 NTU	64.7 mV	32.20 ft	0.54 PSU	120.00 ml/min
8/7/2025 12:34 PM	40:00	7.24 pH	23.91 °C	1,081.0 µS/cm	1.15 mg/L	0.28 NTU	64.7 mV	32.20 ft	0.54 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-36D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2025 2:04:28 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.05 ft** **Total Depth: 43.05 ft** **Initial Depth to Water: 32.15 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38.05 ft** **Estimated Total Volume Pumped: 2950 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.78 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/7/2025 2:04 PM	00:00	6.884 pH	20.40 °C	1,883 µS/cm	0.216 mg/L	3.020 NTU	16.4 mV	32.88 ft	0.967 PSU	130.0 ml/min
8/7/2025 2:09 PM	05:00	6.884 pH	20.46 °C	1,889 µS/cm	0.235 mg/L	3.030 NTU	18.3 mV	32.89 ft	0.971 PSU	130.0 ml/min
8/7/2025 2:14 PM	10:00	6.882 pH	20.39 °C	1,888 µS/cm	0.230 mg/L	3.070 NTU	19.3 mV	32.93 ft	0.970 PSU	130.0 ml/min
8/7/2025 2:19 PM	15:00	6.879 pH	20.86 °C	1,889 µS/cm	0.233 mg/L	2.720 NTU	18.3 mV	32.93 ft	0.971 PSU	100.0 ml/min
8/7/2025 2:24 PM	20:00	6.878 pH	21.03 °C	1,891 µS/cm	0.230 mg/L	2.620 NTU	17.1 mV	32.93 ft	0.972 PSU	100.0 ml/min
8/7/2025 2:29 PM	25:00	6.875 pH	21.10 °C	1,887 µS/cm	0.222 mg/L	2.010 NTU	16.2 mV	32.93 ft	0.970 PSU	100.0 ml/min

Samples

Sample ID:	Description:
BGWC-22	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 2:38:18 PM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-25 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 47.87 ft** **Total Depth: 57.87 ft** **Initial Depth to Water: 21.83 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 52.87 ft** **Estimated Total Volume Pumped: 7350 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 8.71 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 7 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/7/2025 2:38 PM	00:00	7.64 pH	28.83 °C	475.13 µS/cm	2.85 mg/L	0.42 NTU	-14.5 mV	28.41 ft	0.23 PSU	150.00 ml/min
8/7/2025 2:43 PM	05:00	7.46 pH	20.89 °C	516.27 µS/cm	1.38 mg/L	0.35 NTU	-14.5 mV	28.88 ft	0.25 PSU	150.00 ml/min
8/7/2025 2:48 PM	10:00	7.46 pH	20.32 °C	521.89 µS/cm	1.20 mg/L	0.25 NTU	-18.6 mV	29.26 ft	0.25 PSU	150.00 ml/min
8/7/2025 2:53 PM	15:00	7.46 pH	20.35 °C	524.75 µS/cm	1.12 mg/L	0.26 NTU	-22.5 mV	29.55 ft	0.26 PSU	150.00 ml/min
8/7/2025 2:58 PM	20:00	7.46 pH	20.31 °C	524.17 µS/cm	1.05 mg/L	0.19 NTU	-24.8 mV	29.83 ft	0.26 PSU	150.00 ml/min
8/7/2025 3:03 PM	25:00	7.46 pH	20.61 °C	526.21 µS/cm	1.01 mg/L	0.21 NTU	-28.6 mV	29.89 ft	0.26 PSU	120.00 ml/min
8/7/2025 3:08 PM	30:00	7.45 pH	20.47 °C	527.39 µS/cm	0.90 mg/L	0.26 NTU	-31.3 mV	29.99 ft	0.26 PSU	120.00 ml/min
8/7/2025 3:13 PM	35:00	7.46 pH	20.42 °C	525.87 µS/cm	0.83 mg/L	0.25 NTU	-33.4 mV	30.12 ft	0.26 PSU	120.00 ml/min
8/7/2025 3:18 PM	40:00	7.46 pH	20.40 °C	524.64 µS/cm	0.81 mg/L	0.21 NTU	-34.1 mV	30.21 ft	0.26 PSU	120.00 ml/min
8/7/2025 3:23 PM	45:00	7.46 pH	20.36 °C	524.41 µS/cm	0.79 mg/L	0.27 NTU	-35.1 mV	30.35 ft	0.26 PSU	120.00 ml/min
8/7/2025 3:28 PM	50:00	7.46 pH	20.48 °C	523.60 µS/cm	0.78 mg/L	0.21 NTU	-36.9 mV	30.42 ft	0.26 PSU	120.00 ml/min
8/7/2025 3:33 PM	55:00	7.46 pH	20.39 °C	523.38 µS/cm	0.76 mg/L	0.14 NTU	-37.0 mV	30.54 ft	0.26 PSU	120.00 ml/min

Samples

Sample ID:	Description:

BGWC-25	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 3:05:07 PM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWC-34D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 69.75 ft** **Total Depth: 79.75 ft** **Initial Depth to Water: 16.84 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 74.75 ft** **Estimated Total Volume Pumped: 11575 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 13.66 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 6 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/7/2025 3:05 PM	00:00	7.081 pH	20.67 °C	931.8 µS/cm	0.824 mg/L	0.840 NTU	600.8 mV	23.72 ft	0.464 PSU	125.0 ml/min
8/7/2025 3:10 PM	05:00	7.077 pH	20.98 °C	933.9 µS/cm	0.809 mg/L	0.840 NTU	598.6 mV	24.24 ft	0.465 PSU	125.0 ml/min
8/7/2025 3:15 PM	10:00	7.089 pH	20.76 °C	935.4 µS/cm	0.778 mg/L	0.800 NTU	452.0 mV	24.82 ft	0.466 PSU	125.0 ml/min
8/7/2025 3:20 PM	15:00	7.089 pH	20.50 °C	938.4 µS/cm	0.763 mg/L	0.520 NTU	403.4 mV	25.35 ft	0.467 PSU	125.0 ml/min
8/7/2025 3:25 PM	20:00	7.091 pH	20.58 °C	935.6 µS/cm	0.738 mg/L	0.700 NTU	373.5 mV	25.72 ft	0.466 PSU	125.0 ml/min
8/7/2025 3:30 PM	25:00	7.093 pH	20.63 °C	934.7 µS/cm	0.723 mg/L	0.600 NTU	350.3 mV	26.19 ft	0.465 PSU	125.0 ml/min
8/7/2025 3:35 PM	30:00	7.094 pH	20.89 °C	932.8 µS/cm	0.684 mg/L	0.610 NTU	328.1 mV	26.72 ft	0.464 PSU	125.0 ml/min
8/7/2025 3:40 PM	35:00	7.098 pH	20.94 °C	929.2 µS/cm	0.663 mg/L	0.570 NTU	308.4 mV	27.12 ft	0.463 PSU	125.0 ml/min
8/7/2025 3:45 PM	40:00	7.101 pH	20.95 °C	923.4 µS/cm	0.642 mg/L	0.530 NTU	296.2 mV	27.48 ft	0.460 PSU	125.0 ml/min
8/7/2025 3:50 PM	45:00	7.104 pH	20.99 °C	915.2 µS/cm	0.642 mg/L	0.290 NTU	292.7 mV	27.88 ft	0.455 PSU	125.0 ml/min
8/7/2025 3:55 PM	50:00	7.108 pH	20.87 °C	911.8 µS/cm	0.657 mg/L	0.320 NTU	295.9 mV	28.24 ft	0.454 PSU	125.0 ml/min
8/7/2025 4:00 PM	55:00	7.111 pH	20.58 °C	912.4 µS/cm	0.664 mg/L	0.380 NTU	295.5 mV	28.65 ft	0.454 PSU	125.0 ml/min
8/7/2025 4:05 PM	01:00:00	7.116 pH	20.52 °C	905.5 µS/cm	0.640 mg/L	0.370 NTU	294.0 mV	28.97 ft	0.450 PSU	125.0 ml/min
8/7/2025 4:10 PM	01:05:00	7.117 pH	20.64 °C	907.2 µS/cm	0.656 mg/L	0.290 NTU	286.3 mV	29.24 ft	0.451 PSU	125.0 ml/min
8/7/2025 4:15 PM	01:10:00	7.121 pH	20.80 °C	898.4 µS/cm	0.637 mg/L	0.280 NTU	270.7 mV	29.56 ft	0.447 PSU	125.0 ml/min

8/7/2025 4:20 PM	01:15:00	7.121 pH	21.34 °C	895.2 µS/cm	0.660 mg/L	0.300 NTU	258.0 mV	30.00 ft	0.445 PSU	110.0 ml/min
8/7/2025 4:25 PM	01:20:00	7.122 pH	21.81 °C	894.9 µS/cm	0.683 mg/L	0.300 NTU	258.8 mV	30.14 ft	0.445 PSU	110.0 ml/min
8/7/2025 4:30 PM	01:25:00	7.130 pH	21.74 °C	887.5 µS/cm	0.659 mg/L	0.270 NTU	266.6 mV	30.27 ft	0.441 PSU	110.0 ml/min
8/7/2025 4:35 PM	01:30:00	7.130 pH	21.72 °C	890.7 µS/cm	0.672 mg/L	0.220 NTU	276.2 mV	30.38 ft	0.443 PSU	110.0 ml/min
8/7/2025 4:40 PM	01:35:00	7.135 pH	21.64 °C	887.2 µS/cm	0.684 mg/L	0.200 NTU	282.9 mV	30.50 ft	0.441 PSU	110.0 ml/min

Samples

Sample ID:	Description:
BGWC-34D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 11:00:29 AM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-40 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.74 ft** **Total Depth: 62.74 ft** **Initial Depth to Water: 25.2 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 57.74 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.48 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 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	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/8/2025 11:00 AM	00:00	7.148 pH	19.63 °C	802.9 µS/cm	0.552 mg/L	5.680 NTU	68.5 mV	25.68 ft	0.397 PSU	100.0 ml/min
8/8/2025 11:05 AM	05:00	7.154 pH	19.48 °C	802.5 µS/cm	0.515 mg/L	6.120 NTU	63.7 mV	25.68 ft	0.397 PSU	100.0 ml/min
8/8/2025 11:10 AM	10:00	7.155 pH	19.57 °C	802.4 µS/cm	0.511 mg/L	5.430 NTU	62.5 mV	25.68 ft	0.397 PSU	100.0 ml/min
8/8/2025 11:15 AM	15:00	7.157 pH	19.72 °C	801.1 µS/cm	0.463 mg/L	5.760 NTU	61.8 mV	25.68 ft	0.396 PSU	100.0 ml/min
8/8/2025 11:20 AM	20:00	7.159 pH	19.88 °C	801.7 µS/cm	0.502 mg/L	5.670 NTU	61.0 mV	25.68 ft	0.397 PSU	100.0 ml/min
8/8/2025 11:25 AM	25:00	7.162 pH	19.83 °C	799.5 µS/cm	0.482 mg/L	4.710 NTU	60.0 mV	25.68 ft	0.396 PSU	100.0 ml/min
8/8/2025 11:30 AM	30:00	7.162 pH	19.79 °C	799.7 µS/cm	0.492 mg/L	4.840 NTU	59.3 mV	25.68 ft	0.396 PSU	100.0 ml/min
8/8/2025 11:35 AM	35:00	7.165 pH	19.81 °C	800.0 µS/cm	0.461 mg/L	4.800 NTU	58.8 mV	25.68 ft	0.396 PSU	100.0 ml/min
8/8/2025 11:40 AM	40:00	7.168 pH	19.65 °C	799.7 µS/cm	0.418 mg/L	4.550 NTU	58.2 mV	25.68 ft	0.396 PSU	100.0 ml/min

Samples

Sample ID:	Description:
BGWC-40	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2025 11:22:34 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-53D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.48 ft** **Total Depth: 100.48 ft** **Initial Depth to Water: 18.04 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 95.48 ft** **Estimated Total Volume Pumped: 5500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 3.67 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/8/2025 11:22 AM	00:00	7.52 pH	24.78 °C	1,206.3 µS/cm	0.96 mg/L	2.69 NTU	-66.9 mV	19.39 ft	0.61 PSU	110.00 ml/min
8/8/2025 11:27 AM	05:00	7.54 pH	22.88 °C	1,233.1 µS/cm	0.51 mg/L	2.37 NTU	-140.5 mV	19.81 ft	0.62 PSU	110.00 ml/min
8/8/2025 11:32 AM	10:00	7.54 pH	22.75 °C	1,242.3 µS/cm	0.28 mg/L	2.50 NTU	-69.4 mV	20.29 ft	0.63 PSU	110.00 ml/min
8/8/2025 11:37 AM	15:00	7.54 pH	22.70 °C	1,244.7 µS/cm	0.22 mg/L	2.03 NTU	-73.3 mV	20.65 ft	0.63 PSU	110.00 ml/min
8/8/2025 11:42 AM	20:00	7.54 pH	23.70 °C	1,245.8 µS/cm	0.18 mg/L	2.75 NTU	-78.0 mV	20.89 ft	0.63 PSU	110.00 ml/min
8/8/2025 11:47 AM	25:00	7.55 pH	23.78 °C	1,246.2 µS/cm	0.15 mg/L	1.74 NTU	-78.6 mV	21.13 ft	0.63 PSU	110.00 ml/min
8/8/2025 11:52 AM	30:00	7.55 pH	23.88 °C	1,235.5 µS/cm	0.14 mg/L	3.51 NTU	-78.0 mV	21.31 ft	0.62 PSU	110.00 ml/min
8/8/2025 11:57 AM	35:00	7.56 pH	24.35 °C	1,243.2 µS/cm	0.14 mg/L	1.47 NTU	-81.2 mV	21.47 ft	0.63 PSU	110.00 ml/min
8/8/2025 12:02 PM	40:00	7.55 pH	24.45 °C	1,245.6 µS/cm	0.13 mg/L	2.75 NTU	-82.2 mV	21.55 ft	0.63 PSU	110.00 ml/min
8/8/2025 12:07 PM	45:00	7.55 pH	24.37 °C	1,244.8 µS/cm	0.13 mg/L	1.79 NTU	-76.8 mV	21.63 ft	0.63 PSU	110.00 ml/min
8/8/2025 12:12 PM	50:00	7.56 pH	23.87 °C	1,248.1 µS/cm	0.12 mg/L	2.19 NTU	-71.1 mV	21.71 ft	0.63 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-53D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 11:51:10 AM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWC-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.7 ft** **Total Depth: 49.7 ft** **Initial Depth to Water: 15.28 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 44.7 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.23 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 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	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/8/2025 11:51 AM	00:00	7.127 pH	19.25 °C	707.8 µS/cm	0.171 mg/L	0.640 NTU	472.3 mV	15.50 ft	0.349 PSU	150.0 ml/min
8/8/2025 11:56 AM	05:00	7.129 pH	19.45 °C	705.2 µS/cm	0.159 mg/L	0.620 NTU	431.7 mV	15.51 ft	0.347 PSU	150.0 ml/min
8/8/2025 12:01 PM	10:00	7.140 pH	19.33 °C	704.5 µS/cm	0.154 mg/L	0.530 NTU	332.6 mV	15.51 ft	0.347 PSU	150.0 ml/min
8/8/2025 12:06 PM	15:00	7.146 pH	19.40 °C	700.6 µS/cm	0.149 mg/L	0.610 NTU	304.7 mV	15.51 ft	0.345 PSU	150.0 ml/min
8/8/2025 12:11 PM	20:00	7.146 pH	19.23 °C	697.6 µS/cm	0.146 mg/L	0.690 NTU	283.9 mV	15.51 ft	0.343 PSU	150.0 ml/min
8/8/2025 12:16 PM	25:00	7.147 pH	19.27 °C	694.0 µS/cm	0.145 mg/L	0.570 NTU	266.3 mV	15.51 ft	0.342 PSU	150.0 ml/min

Samples

Sample ID:	Description:
BGWC-31	Metals, Inorganics, TDS, Radium
FD-03	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 10:08:41 AM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.95 ft** **Total Depth: 50.95 ft** **Initial Depth to Water: 33.13 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 45.95 ft** **Estimated Total Volume Pumped: 2300 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/11/2025 10:08 AM	00:00	7.049 pH	19.58 °C	2,053 µS/cm	0.278 mg/L	0.430 NTU	-34.1 mV	34.47 ft	1.059 PSU	130.0 ml/min
8/11/2025 10:13 AM	05:00	7.054 pH	19.53 °C	2,049 µS/cm	0.213 mg/L	0.540 NTU	-40.8 mV	34.50 ft	1.057 PSU	130.0 ml/min
8/11/2025 10:18 AM	10:00	7.052 pH	19.93 °C	2,045 µS/cm	0.176 mg/L	0.720 NTU	-42.9 mV	34.50 ft	1.055 PSU	100.0 ml/min
8/11/2025 10:23 AM	15:00	7.046 pH	19.84 °C	2,024 µS/cm	0.175 mg/L	0.760 NTU	-43.1 mV	34.50 ft	1.044 PSU	100.0 ml/min
8/11/2025 10:28 AM	20:00	7.029 pH	19.89 °C	1,988 µS/cm	0.152 mg/L	1.010 NTU	-42.6 mV	34.50 ft	1.024 PSU	100.0 ml/min

Samples

Sample ID:	Description:
BGWC-23	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 10:11:14 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-24 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.11 ft** **Total Depth: 66.11 ft** **Initial Depth to Water: 22.95 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 61.11 ft** **Estimated Total Volume Pumped: 6600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 4.66 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/11/2025 10:11 AM	00:00	6.58 pH	22.33 °C	2,290.3 µS/cm	0.38 mg/L	3.15 NTU	134.7 mV	24.91 ft	1.19 PSU	110.00 ml/min
8/11/2025 10:16 AM	05:00	6.59 pH	22.24 °C	2,268.3 µS/cm	0.33 mg/L	3.13 NTU	88.3 mV	25.24 ft	1.18 PSU	110.00 ml/min
8/11/2025 10:21 AM	10:00	6.59 pH	22.17 °C	2,247.7 µS/cm	0.31 mg/L	4.13 NTU	74.8 mV	25.62 ft	1.17 PSU	110.00 ml/min
8/11/2025 10:26 AM	15:00	6.61 pH	22.21 °C	2,235.1 µS/cm	0.35 mg/L	3.15 NTU	69.9 mV	25.95 ft	1.16 PSU	110.00 ml/min
8/11/2025 10:31 AM	20:00	6.61 pH	22.34 °C	2,229.3 µS/cm	0.35 mg/L	1.82 NTU	67.3 mV	26.20 ft	1.16 PSU	110.00 ml/min
8/11/2025 10:36 AM	25:00	6.60 pH	22.35 °C	2,210.3 µS/cm	0.38 mg/L	2.23 NTU	66.0 mV	26.48 ft	1.15 PSU	110.00 ml/min
8/11/2025 10:41 AM	30:00	6.58 pH	22.39 °C	2,214.6 µS/cm	0.39 mg/L	1.44 NTU	65.7 mV	26.70 ft	1.15 PSU	110.00 ml/min
8/11/2025 10:46 AM	35:00	6.58 pH	22.39 °C	2,210.2 µS/cm	0.37 mg/L	0.44 NTU	65.5 mV	26.82 ft	1.15 PSU	110.00 ml/min
8/11/2025 10:51 AM	40:00	6.59 pH	22.37 °C	2,218.5 µS/cm	0.36 mg/L	0.63 NTU	65.2 mV	27.08 ft	1.15 PSU	110.00 ml/min
8/11/2025 10:56 AM	45:00	6.59 pH	22.42 °C	2,209.1 µS/cm	0.37 mg/L	0.84 NTU	64.9 mV	27.20 ft	1.15 PSU	110.00 ml/min
8/11/2025 11:01 AM	50:00	6.60 pH	22.39 °C	2,196.2 µS/cm	0.35 mg/L	3.06 NTU	64.8 mV	27.37 ft	1.14 PSU	110.00 ml/min
8/11/2025 11:06 AM	55:00	6.59 pH	22.35 °C	2,208.2 µS/cm	0.34 mg/L	1.93 NTU	64.5 mV	27.49 ft	1.14 PSU	110.00 ml/min
8/11/2025 11:11 AM	01:00:00	6.59 pH	22.35 °C	2,226.1 µS/cm	0.33 mg/L	1.16 NTU	64.3 mV	27.61 ft	1.15 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-24	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 10:20:05 AM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWC-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.22 ft** **Total Depth: 51.22 ft** **Initial Depth to Water: 37.16 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 46.22 ft** **Estimated Total Volume Pumped: 3150 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 2.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 3 L. WL did not stabilize and dropped below top of pump (39.71 ft). Complete evacuation method initiated. Samples to be collected 8/12.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/11/2025 10:20 AM	00:00	6.495 pH	19.55 °C	1,206 µS/cm	1.368 mg/L	0.090 NTU	502.9 mV	39.19 ft	0.606 PSU	130.0 ml/min
8/11/2025 10:25 AM	05:00	7.053 pH	19.55 °C	1,223 µS/cm	1.212 mg/L	1.000 NTU	465.2 mV	39.44 ft	0.615 PSU	130.0 ml/min
8/11/2025 10:30 AM	10:00	7.081 pH	19.54 °C	1,260 µS/cm	1.170 mg/L	1.180 NTU	362.4 mV	39.68 ft	0.635 PSU	130.0 ml/min
8/11/2025 10:35 AM	15:00	7.089 pH	19.47 °C	1,268 µS/cm	1.102 mg/L	1.030 NTU	327.6 mV	39.71 ft	0.639 PSU	120.0 ml/min
8/11/2025 10:40 AM	20:00	7.093 pH	19.91 °C	1,259 µS/cm	1.032 mg/L	2.130 NTU	306.6 mV	39.71 ft	0.635 PSU	120.0 ml/min
8/11/2025 10:45 AM	25:00	7.096 pH	19.86 °C	1,251 µS/cm	0.927 mg/L	1.530 NTU	290.2 mV	39.71 ft	0.630 PSU	120.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 12:21:24 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.99 ft** **Total Depth: 52.99 ft** **Initial Depth to Water: 28.43 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 47.99 ft** **Estimated Total Volume Pumped: 2972.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.43 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/11/2025 12:21 PM	00:00	7.609 pH	19.99 °C	413.4 µS/cm	1.585 mg/L	1.950 NTU	33.3 mV	28.86 ft	0.200 PSU	140.0 ml/min
8/11/2025 12:26 PM	05:00	7.609 pH	20.22 °C	415.2 µS/cm	1.309 mg/L	1.530 NTU	36.0 mV	28.86 ft	0.201 PSU	140.0 ml/min
8/11/2025 12:31 PM	10:00	7.608 pH	20.20 °C	414.3 µS/cm	1.187 mg/L	1.290 NTU	37.1 mV	28.86 ft	0.201 PSU	140.0 ml/min
8/11/2025 12:36 PM	15:00	7.609 pH	20.33 °C	414.9 µS/cm	1.073 mg/L	1.410 NTU	38.0 mV	28.86 ft	0.201 PSU	140.0 ml/min
8/11/2025 12:41 PM	20:00	7.607 pH	20.43 °C	418.1 µS/cm	0.983 mg/L	1.390 NTU	38.5 mV	28.86 ft	0.203 PSU	140.0 ml/min
8/11/2025 12:42 PM	21:14	7.607 pH	20.37 °C	421.8 µS/cm	0.962 mg/L	1.390 NTU	40.2 mV	28.86 ft	0.204 PSU	140.0 ml/min

Samples

Sample ID:	Description:
BGWC-21	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 1:10:35 PM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: PZ-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.3 ft** **Total Depth: 49.3 ft** **Initial Depth to Water: 20.75 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 44.3 ft** **Estimated Total Volume Pumped: 6750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/11/2025 1:10 PM	00:00	7.36 pH	20.58 °C	662.85 µS/cm	1.18 mg/L	0.44 NTU	82.9 mV	20.77 ft	0.33 PSU	150.00 ml/min
8/11/2025 1:15 PM	05:00	7.35 pH	20.43 °C	671.70 µS/cm	1.03 mg/L	0.21 NTU	65.6 mV	20.78 ft	0.33 PSU	150.00 ml/min
8/11/2025 1:20 PM	10:00	7.34 pH	20.39 °C	671.89 µS/cm	0.98 mg/L	0.79 NTU	62.9 mV	20.78 ft	0.33 PSU	150.00 ml/min
8/11/2025 1:25 PM	15:00	7.34 pH	20.29 °C	671.20 µS/cm	0.94 mg/L	0.42 NTU	62.3 mV	20.78 ft	0.33 PSU	150.00 ml/min
8/11/2025 1:30 PM	20:00	7.14 pH	20.25 °C	807.50 µS/cm	0.67 mg/L	0.87 NTU	64.1 mV	20.78 ft	0.40 PSU	150.00 ml/min
8/11/2025 1:35 PM	25:00	6.98 pH	20.08 °C	1,112.7 µS/cm	0.31 mg/L	0.56 NTU	64.7 mV	20.78 ft	0.56 PSU	150.00 ml/min
8/11/2025 1:40 PM	30:00	6.97 pH	20.14 °C	1,133.9 µS/cm	0.25 mg/L	0.67 NTU	64.6 mV	20.78 ft	0.57 PSU	150.00 ml/min
8/11/2025 1:45 PM	35:00	6.96 pH	20.04 °C	1,149.8 µS/cm	0.22 mg/L	1.43 NTU	64.5 mV	20.78 ft	0.58 PSU	150.00 ml/min
8/11/2025 1:50 PM	40:00	6.95 pH	20.18 °C	1,150.7 µS/cm	0.21 mg/L	1.44 NTU	64.1 mV	20.78 ft	0.58 PSU	150.00 ml/min
8/11/2025 1:55 PM	45:00	6.95 pH	20.10 °C	1,143.1 µS/cm	0.21 mg/L	1.02 NTU	64.0 mV	20.78 ft	0.57 PSU	150.00 ml/min

Samples

Sample ID:	Description:
PZ-7	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 1:57:00 PM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWC-35D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70.94 ft** **Total Depth: 80.94 ft** **Initial Depth to Water: 33.92 ft**	**Pump Type: Solinst Model 408** **Tubing Type: LDPE** **Pump Intake From TOC: 75.94 ft** **Estimated Total Volume Pumped: 6075 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 135 ml/min** **Final Draw Down: 0.73 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/11/2025 1:57 PM	00:00	6.864 pH	20.71 °C	2,434 µS/cm	0.259 mg/L	2.160 NTU	368.0 mV	34.58 ft	1.268 PSU	135.0 ml/min
8/11/2025 2:02 PM	05:00	6.865 pH	20.63 °C	2,446 µS/cm	0.258 mg/L	1.770 NTU	354.9 mV	34.59 ft	1.274 PSU	135.0 ml/min
8/11/2025 2:07 PM	10:00	6.856 pH	20.94 °C	2,481 µS/cm	0.257 mg/L	1.320 NTU	304.2 mV	34.60 ft	1.294 PSU	135.0 ml/min
8/11/2025 2:12 PM	15:00	6.832 pH	20.69 °C	2,702 µS/cm	0.260 mg/L	1.120 NTU	288.5 mV	34.62 ft	1.415 PSU	135.0 ml/min
8/11/2025 2:17 PM	20:00	6.827 pH	20.53 °C	2,994 µS/cm	0.269 mg/L	0.890 NTU	285.2 mV	34.62 ft	1.577 PSU	135.0 ml/min
8/11/2025 2:22 PM	25:00	6.839 pH	20.81 °C	3,125 µS/cm	0.271 mg/L	0.940 NTU	275.2 mV	34.63 ft	1.650 PSU	135.0 ml/min
8/11/2025 2:27 PM	30:00	6.853 pH	20.76 °C	3,196 µS/cm	0.272 mg/L	0.910 NTU	267.4 mV	34.65 ft	1.690 PSU	135.0 ml/min
8/11/2025 2:32 PM	35:00	6.867 pH	20.95 °C	3,259 µS/cm	0.273 mg/L	0.700 NTU	269.4 mV	34.65 ft	1.725 PSU	135.0 ml/min
8/11/2025 2:37 PM	40:00	6.884 pH	21.16 °C	3,291 µS/cm	0.268 mg/L	0.590 NTU	270.1 mV	34.65 ft	1.743 PSU	135.0 ml/min
8/11/2025 2:42 PM	45:00	6.901 pH	21.16 °C	3,301 µS/cm	0.262 mg/L	0.450 NTU	272.4 mV	34.65 ft	1.749 PSU	135.0 ml/min

Samples

Sample ID:	Description:
BGWC-35D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 3:07:02 PM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-52 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 72.18 ft** **Total Depth: 82.18 ft** **Initial Depth to Water: 42.76 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 77.18 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/11/2025 3:07 PM	00:00	7.408 pH	19.56 °C	482.9 µS/cm	0.766 mg/L	1.110 NTU	46.4 mV	42.85 ft	0.235 PSU	110.0 ml/min
8/11/2025 3:12 PM	05:00	7.410 pH	19.42 °C	482.1 µS/cm	0.737 mg/L	1.260 NTU	47.1 mV	42.87 ft	0.235 PSU	110.0 ml/min
8/11/2025 3:17 PM	10:00	7.417 pH	19.44 °C	479.8 µS/cm	0.702 mg/L	0.960 NTU	47.1 mV	42.87 ft	0.233 PSU	110.0 ml/min
8/11/2025 3:22 PM	15:00	7.416 pH	19.34 °C	481.3 µS/cm	0.690 mg/L	0.750 NTU	47.3 mV	42.88 ft	0.234 PSU	110.0 ml/min
8/11/2025 3:27 PM	20:00	7.423 pH	19.27 °C	481.7 µS/cm	0.668 mg/L	0.920 NTU	47.6 mV	42.88 ft	0.234 PSU	110.0 ml/min

Samples

Sample ID:	Description:
BGWC-52	Metals, Inorganics, TDS, Radium
FD-04	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 10:47:55 AM
Project: Plant Bowen AP July 2025
Operator Name: Natalie Piparo

Location Name: BGWC-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.22 ft** **Total Depth: 51.22 ft** **Initial Depth to Water: 39.66 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 46.22 ft** **Estimated Total Volume Pumped: 200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Complete evac performed 8/11/25.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/12/2025 10:47 AM	00:00	7.06 pH	23.70 °C	1,193.5 µS/cm	4.07 mg/L	1.41 NTU	167.8 mV	39.79 ft	0.60 PSU	100.00 ml/min
8/12/2025 10:48 AM	01:00	7.08 pH	22.60 °C	1,108.0 µS/cm	3.52 mg/L		143.9 mV	39.79 ft	0.56 PSU	100.00 ml/min
8/12/2025 10:49 AM	02:00	7.09 pH	22.00 °C	1,181.9 µS/cm	3.12 mg/L	1.41 NTU	127.6 mV	39.79 ft	0.59 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-32	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 1:42:25 PM
Project: Plant Bowen AP July 2025
Operator Name: Jay Siewert

Location Name: BGWA-29 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 89.03 ft** **Total Depth: 99.03 ft** **Initial Depth to Water: 52.88 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 94.03 ft** **Estimated Total Volume Pumped: 4800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 6 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
8/12/2025 1:42 PM	00:00	6.844 pH	20.09 °C	210.3 µS/cm	8.392 mg/L	0.830 NTU	555.0 mV	52.92 ft	0.100 PSU	160.0 ml/min
8/12/2025 1:47 PM	05:00	7.831 pH	20.25 °C	210.4 µS/cm	8.402 mg/L	0.710 NTU	609.6 mV	52.92 ft	0.100 PSU	160.0 ml/min
8/12/2025 1:52 PM	10:00	7.883 pH	20.32 °C	210.2 µS/cm	8.405 mg/L	1.570 NTU	489.8 mV	52.92 ft	0.100 PSU	160.0 ml/min
8/12/2025 1:57 PM	15:00	7.902 pH	20.27 °C	210.7 µS/cm	8.389 mg/L	1.220 NTU	468.4 mV	52.92 ft	0.101 PSU	160.0 ml/min
8/12/2025 2:02 PM	20:00	7.915 pH	20.04 °C	210.0 µS/cm	8.321 mg/L	1.100 NTU	451.1 mV	52.92 ft	0.100 PSU	160.0 ml/min
8/12/2025 2:07 PM	25:00	7.921 pH	20.05 °C	210.9 µS/cm	8.298 mg/L	0.690 NTU	433.9 mV	52.92 ft	0.101 PSU	160.0 ml/min
8/12/2025 2:12 PM	30:00	7.924 pH	20.02 °C	210.9 µS/cm	8.306 mg/L	0.690 NTU	414.8 mV	52.92 ft	0.101 PSU	160.0 ml/min

Samples

Sample ID:	Description:
BGWA-29	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/13/2025 11:48:37 AM
Project: Plant Bowen AP July 2025
Operator Name: Shannon Northen

Location Name: BGWC-51 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.29 ft** **Total Depth: 67.29 ft** **Initial Depth to Water: 43.31 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 62.29 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/13/2025 11:48 AM	00:00	7.036 pH	19.67 °C	665.9 µS/cm	1.210 mg/L	0.610 NTU	81.2 mV	43.31 ft	0.327 PSU	100.0 ml/min
8/13/2025 11:53 AM	05:00	7.042 pH	19.60 °C	666.5 µS/cm	1.227 mg/L	0.570 NTU	79.2 mV	43.31 ft	0.328 PSU	100.0 ml/min
8/13/2025 11:58 AM	10:00	7.044 pH	19.66 °C	666.0 µS/cm	1.224 mg/L	0.490 NTU	79.9 mV	43.32 ft	0.327 PSU	100.0 ml/min
8/13/2025 12:03 PM	15:00	7.049 pH	19.53 °C	666.4 µS/cm	1.242 mg/L	0.470 NTU	76.8 mV	43.32 ft	0.328 PSU	100.0 ml/min
8/13/2025 12:08 PM	20:00	7.051 pH	19.64 °C	665.7 µS/cm	1.248 mg/L	0.350 NTU	73.1 mV	43.32 ft	0.327 PSU	100.0 ml/min

Samples

Sample ID:	Description:
BGWC-51	Metals, Inorganics, TDS, Radium

Calibration Forms

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/04/2025

Calibrated By: Natalie Piparo

Field Conditions: H 73, L 49

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:46	**Time Finish**	09:01		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.57	10.63	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,591.30	10.64	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	10.70	± 0.1	GWMP
pH (SU)	7.00	7.56	10.63	± 0.1	GWMP
pH (SU)	10.00	10.18	10.58	± 0.1	GWMP
ORP (mV)	228.0	220.50	10.58	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.00		
	10.00	10.20		

Calibration Check					
Time Start	15:38	**Time Finish**	15:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,273.50	17.93	± 10% of standard	EPA 2023
pH (SU)	4.00	4.20	17.87	± 0.1	GWMP
pH (SU)	7.00	7.33	18.17	± 0.1	GWMP
pH (SU)	10.00	10.29	20.34	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.19		
	10.00	10.28		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/04/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Partly cloudy; 48/73

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration

Time Start	08:55	Time Finish	09:10		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	3,298.00	11.58	± 10%	NA
Specific Conductance (µS/cm)	4,490	3,361.70	11.69	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	11.00	± 0.1	GWMP
pH (SU)	7.00	7.12	11.77	± 0.1	GWMP
pH (SU)	10.00	10.15	11.65	± 0.1	GWMP
ORP (mV)	228.0	215.70	11.61	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.03	± 10% of standard	EPA 2023
	1.00	0.97		
	10.00	7.96		

Calibration Check

Time Start	15:37	Time Finish	15:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3,836.50	23.92	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	23.88	± 0.1	GWMP
pH (SU)	7.00	7.19	18.29	± 0.1	GWMP
pH (SU)	10.00	10.14	19.53	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.11	± 10% of standard	EPA 2023
	1.00	1.24		
	10.00	9.19		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/04/2025

Calibrated By: Jay Siewert

Field Conditions: 73°/46°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:03	**Time Finish**	09:15		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	97.91	10.38	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,594.80	10.54	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	10.62	± 0.1	GWMP
pH (SU)	7.00	7.14	10.76	± 0.1	GWMP
pH (SU)	10.00	10.15	10.91	± 0.1	GWMP
ORP (mV)	228.0	225.60	11.27	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.07		
	10.00	10.22		

Calibration Check					
Time Start	15:39	**Time Finish**	15:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,239.90	21.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	21.91	± 0.1	GWMP
pH (SU)	7.00	7.17	21.31	± 0.1	GWMP
pH (SU)	10.00	10.20	21.46	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.90		
	10.00	10.51		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/05/2025

Calibrated By: Jay Siewert

Field Conditions: 73°/57°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:35	**Time Finish**	08:48		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.98	16.49	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,442.80	16.41	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	16.90	± 0.1	GWMP
pH (SU)	7.00	7.06	16.94	± 0.1	GWMP
pH (SU)	10.00	9.89	16.90	± 0.1	GWMP
ORP (mV)	228.0	229.70	16.81	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	10.41		

Calibration Check					
Time Start	15:18	**Time Finish**	15:26		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,502.20	20.42	± 10% of standard	EPA 2023
pH (SU)	4.00	4.13	20.46	± 0.1	GWMP
pH (SU)	7.00	7.18	20.12	± 0.1	GWMP
pH (SU)	10.00	10.15	20.27	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	10.19		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/05/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Cloudy 46/71

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration

Time Start	08:41	Time Finish	08:50		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.47	11.37	± 10%	NA
Specific Conductance (µS/cm)	4,490	3,713.90	11.47	± 10% of standard	EPA 2023
pH (SU)	4.00	3.93	11.53	± 0.1	GWMP
pH (SU)	7.00	6.89	12.47	± 0.1	GWMP
pH (SU)	10.00	10.05	13.17	± 0.1	GWMP
ORP (mV)	228.0	223.90	13.48	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.85		
	10.00	8.47		

Calibration Check

Time Start	17:00	Time Finish	17:04		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	20.53	4,093.80	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	20.52	± 0.1	GWMP
pH (SU)	7.00	20.46	7.29	± 0.1	GWMP
pH (SU)	10.00	10.21	20.28	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.03	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	7.99		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/05/2025

Calibrated By: Natalie Piparo, Kyle Rhyne

Field Conditions: H 70, L 49

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:46	**Time Finish**	09:08		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.54	11.60	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,388.80	12.84	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	12.97	± 0.1	GWMP
pH (SU)	7.00	7.06	14.03	± 0.1	GWMP
pH (SU)	10.00	10.14	14.66	± 0.1	GWMP
ORP (mV)	228.0	219.00	14.68	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.28		
	10.00	10.11		

Calibration Check					
Time Start	17:07	**Time Finish**	17:19		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,460.50	26.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.16	26.77	± 0.1	GWMP
pH (SU)	7.00	7.26	26.80	± 0.1	GWMP
pH (SU)	10.00	10.27	26.85	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.05		
	10.00	10.30		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/05/2025

Calibrated By: Jay Siewert

Field Conditions: 70°/46°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:57	**Time Finish**	09:07		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.00	11.76	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,415.70	12.54	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	12.74	± 0.1	GWMP
pH (SU)	7.00	7.04	14.09	± 0.1	GWMP
pH (SU)	10.00	10.11	14.56	± 0.1	GWMP
ORP (mV)	228.0	221.70	14.51	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	10.26		

Calibration Check					
Time Start	16:24	**Time Finish**	16:35		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,327.40	19.21	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	19.18	± 0.1	GWMP
pH (SU)	7.00	7.12	19.34	± 0.1	GWMP
pH (SU)	10.00	10.13	20.63	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	10.33		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/06/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:24	**Time Finish**	08:35		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.19	16.72	± 10%	NA
Specific Conductance (µS/cm)	4,490	3,829.40	17.26	± 10% of standard	EPA 2023
pH (SU)	4.00	3.92	17.35	± 0.1	GWMP
pH (SU)	7.00	6.77	17.71	± 0.1	GWMP
pH (SU)	10.00	9.92	17.94	± 0.1	GWMP
ORP (mV)	228.0	220.30	18.01	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.11	± 10% of standard	EPA 2023
	1.00	1.24		
	10.00	7.96		

Calibration Check					
Time Start	15:54	**Time Finish**	16:01		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3,936.80	19.31	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	19.14	± 0.1	GWMP
pH (SU)	7.00	7.18	19.34	± 0.1	GWMP
pH (SU)	10.00	10.18	19.80	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.14	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	5.52		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/06/2025

Calibrated By: Natalie Piparo

Field Conditions: H 72, L 59

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:30	**Time Finish**	08:44		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.44	16.06	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,457.50	16.51	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	16.60	± 0.1	GWMP
pH (SU)	7.00	7.05	16.96	± 0.1	GWMP
pH (SU)	10.00	10.05	17.18	± 0.1	GWMP
ORP (mV)	228.0	224.60	17.19	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.09	± 10% of standard	EPA 2023
	1.00	1.06		
	10.00	10.21		

Calibration Check					
Time Start	15:31	**Time Finish**	15:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,476.80	19.58	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	19.54	± 0.1	GWMP
pH (SU)	7.00	7.26	20.26	± 0.1	GWMP
pH (SU)	10.00	10.26	21.27	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.19		
	10.00	10.22		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/07/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration

Time Start	08:12	Time Finish	08:23		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	96.06	14.35	± 10%	NA
Specific Conductance (µS/cm)	4,490	3,719.20	14.66	± 10% of standard	EPA 2023
pH (SU)	4.00	3.94	14.76	± 0.1	GWMP
pH (SU)	7.00	6.89	15.41	± 0.1	GWMP
pH (SU)	10.00	9.93	15.91	± 0.1	GWMP
ORP (mV)	228.0	230.70	16.09	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.03	± 10% of standard	EPA 2023
	1.00	0.47		
	10.00	5.05		

Calibration Check

Time Start	13:20	Time Finish	13:26		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3,648.40	17.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	17.16	± 0.1	GWMP
pH (SU)	7.00	7.20	18.98	± 0.1	GWMP
pH (SU)	10.00	10.22	19.17	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.17	± 10% of standard	EPA 2023
	1.00	0.49		
	10.00	5.36		

Notes:

Start of Day:

End of Day:

Site Name: ~~SCS~~ Plant KR Bowen - AP

Field Instrumentation Calibration Form

Date: 02-07-25

Calibrated By: Kyle Rhyne

Field Conditions: 69°/53° cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	2068-0320

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24011792	06/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	0850	Time Finish	0900		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	98.41	16.24	± 10%	NA
Specific Conductance (µS/cm)	4,490	4526.1	15.16	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	15.16	± 0.1	GWMP
pH (SU)	7.00	7.06	15.51	± 0.1	GWMP
pH (SU)	10.00	10.10	15.89	± 0.1	GWMP
ORP (mV)	228.0	228.9	16.00	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.00	± 10% of standard	EPA 2023
	1.00	1.11		
	10.00	9.22		

Calibration Check					
Time Start	1400	Time Finish	1413		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4216.8	27.51	± 10% of standard	EPA 2023
pH (SU)	4.00	4.19	27.51	± 0.1	GWMP
pH (SU)	7.00	7.27	27.79	± 0.1	GWMP
pH (SU)	10.00	10.07	27.93	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.85		
	10.00	~~0.855~~ KR 8.55		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/07/2025

Calibrated By: Jay Siewert

Field Conditions: 69°/52°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	70453818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:48	**Time Finish**	09:05		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	98.69	15.24	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,481.70	15.33	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	15.37	± 0.1	GWMP
pH (SU)	7.00	7.03	15.09	± 0.1	GWMP
pH (SU)	10.00	10.40	17.57	± 0.1	GWMP
ORP (mV)	228.0	229.70	16.94	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.10		
	10.00	10.20		

Calibration Check					
Time Start	13:21	**Time Finish**	13:31		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,356.90	18.37	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	18.33	± 0.1	GWMP
pH (SU)	7.00	7.10	19.72	± 0.1	GWMP
pH (SU)	10.00	10.12	20.39	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	10.21		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/10/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Mostly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration

Time Start	08:20	Time Finish	08:36		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	97.15	9.71	± 10%	NA
Specific Conductance (µS/cm)	4,490	3,287.00	10.16	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	10.25	± 0.1	GWMP
pH (SU)	7.00	7.11	10.57	± 0.1	GWMP
pH (SU)	10.00	10.11	10.37	± 0.1	GWMP
ORP (mV)	228.0	235.20	10.64	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.10	± 10% of standard	EPA 2023
	1.00	0.64		
	10.00	5.15		

Calibration Check

Time Start	16:03	Time Finish	16:06		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3,208.30	12.52	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	12.38	± 0.1	GWMP
pH (SU)	7.00	7.23	13.14	± 0.1	GWMP
pH (SU)	10.00	10.38	14.13	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.22	± 10% of standard	EPA 2023
	1.00	0.23		
	10.00	4.53		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/10/2025

Calibrated By: Jay Siewer

Field Conditions: 56°/43°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:38	**Time Finish**	08:57		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	98.87	11.50	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,580.50	11.55	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	11.48	± 0.1	GWMP
pH (SU)	7.00	7.09	12.04	± 0.1	GWMP
pH (SU)	10.00	10.01	12.65	± 0.1	GWMP
ORP (mV)	228.0	232.60	12.77	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	10.60		

Calibration Check					
Time Start	17:24	**Time Finish**	17:34		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,328.10	12.92	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	12.88	± 0.1	GWMP
pH (SU)	7.00	7.18	12.93	± 0.1	GWMP
pH (SU)	10.00	10.14	13.69	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.10		
	10.00	1.07		

Notes:

Start of Day:

End of Day:

Site Name: Plant Bowen -AP

Field Instrumentation Calibration Form

Date: 2-10-25

Calibrated By: Kyle Rhyne

Field Conditions: 58°/44° cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	2068-0320

Calibration Standard Information					Lot #
Parameter	Standard	Lot #	Date of Expiration	Brand	
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	4.00	~~24010943~~	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	7.00	~~24008587~~	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014266
pH (SU)	10.00	~~24004990~~	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24011537
D.O. (%)	N/A	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
ORP (mV)	228.0	~~24011702~~	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	22490162

KR

Calibration					
Time Start	1105	**Time Finish**	1132		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.37	10.07	± 10%	NA
Specific Conductance (µS/cm)	4,490	4498.0	10.72	± 10% of standard	EPA 2023
pH (SU)	4.00	3.96	10.86	± 0.1	GWMP
pH (SU)	7.00	7.03	10.98	± 0.1	GWMP
pH (SU)	10.00	10.14	11.37	± 0.1	GWMP
ORP (mV)	228.0	239.9	11.56	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	9.98		

Calibration Check					
Time Start	1650	**Time Finish**	1659		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4434.7	18.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.17	18.56	± 0.1	GWMP
pH (SU)	7.00	7.24	18.64	± 0.1	GWMP
pH (SU)	10.00	10.07	18.66	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.91		
	10.00	10.82		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/11/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Overcast, light rain

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration

Time Start	08:22	Time Finish	08:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	98.10	9.10	± 10%	NA
Specific Conductance (µS/cm)	4,490	3,062.40	9.50	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	9.50	± 0.1	GWMP
pH (SU)	7.00	7.03	9.93	± 0.1	GWMP
pH (SU)	10.00	10.22	10.34	± 0.1	GWMP
ORP (mV)	228.0	228.30	10.53	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.12	± 10% of standard	EPA 2023
	1.00	0.46		
	10.00	6.38		

Calibration Check

Time Start	17:06	Time Finish	17:09		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3,057.30	8.41	± 10% of standard	EPA 2023
pH (SU)	4.00	4.17	8.41	± 0.1	GWMP
pH (SU)	7.00	7.31	8.42	± 0.1	GWMP
pH (SU)	10.00	10.37	8.66	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.08	± 10% of standard	EPA 2023
	1.00	0.59		
	10.00	5.53		

Notes:

Start of Day:

End of Day:

Site Name: Plant Bowen -AP

Field Instrumentation Calibration Form

Date: 2-11-25

Calibrated By: Kyle Rhyne

Field Conditions: 48°/42°, light rain

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	2068-0320

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand	Lot #
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	4.00	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	7.00	~~24008587~~ KR	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014266
pH (SU)	10.00	~~24004996~~	~~08/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24011537
D.O. (%)	N/A	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
ORP (mV)	228.0	~~24011792~~	~~08/2025~~ 01/2026 KR	Atlanta Instrument Rental, Inc.	22490162

Calibration

Time Start	0824	Time Finish	0847		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.35	10.44	± 10%	NA
Specific Conductance (µS/cm)	4,490	4505.9	9.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	10.12	± 0.1	GWMP
pH (SU)	7.00	7.07	10.45	± 0.1	GWMP
pH (SU)	10.00	10.16	10.59	± 0.1	GWMP
ORP (mV)	228.0	227.9	10.63	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	-0.01	± 10% of standard	EPA 2023
	1.00	0.82		
	10.00	10.72		

Calibration Check

Time Start	1742	Time Finish	1755		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4528.0	8.33	± 10% of standard	EPA 2023
pH (SU)	4.00	4.19	8.33	± 0.1	GWMP
pH (SU)	7.00	7.41	8.13	± 0.1	GWMP
pH (SU)	10.00	10.38	7.63	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.11	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	9.31		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/11/2025

Calibrated By: Jay Siewert

Field Conditions: 54°/44°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:38	**Time Finish**	08:44		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.05	10.52	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,426.80	10.48	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	10.52	± 0.1	GWMP
pH (SU)	7.00	7.05	10.57	± 0.1	GWMP
pH (SU)	10.00	10.13	10.58	± 0.1	GWMP
ORP (mV)	228.0	232.40	10.34	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	10.04		

Calibration Check					
Time Start	17:42	**Time Finish**	17:55		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,545.60	7.40	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	7.30	± 0.1	GWMP
pH (SU)	7.00	7.13	7.11	± 0.1	GWMP
pH (SU)	10.00	10.20	6.95	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.03		
	10.00	10.35		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/11/2025

Calibrated By: Natalie Piparo

Field Conditions: H 53, L 46

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	843285
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:39	**Time Finish**	08:58		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.66	9.97	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,463.40	9.78	± 10% of standard	EPA 2023
pH (SU)	4.00	4.34	9.78	± 0.1	GWMP
pH (SU)	7.00	7.34	9.69	± 0.1	GWMP
pH (SU)	10.00	10.23	9.73	± 0.1	GWMP
ORP (mV)	228.0	224.10	9.81	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.05	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	10.80		

Calibration Check					
Time Start	16:12	**Time Finish**	16:19		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,525.50	8.07	± 10% of standard	EPA 2023
pH (SU)	4.00	4.17	8.07	± 0.1	GWMP
pH (SU)	7.00	7.35	8.12	± 0.1	GWMP
pH (SU)	10.00	10.46	8.26	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	10.80		

Notes:

Start of Day:

End of Day:

Site Name: Plant Bowen - AP

Field Instrumentation Calibration Form

Date: 2-12-25

Calibrated By: Kyle Rhyne

Field Conditions: 43°/46° raining

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	7642-3818

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand	Lot #
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	4.00	~~24010943~~ KR	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	7.00	~~24008587~~	~~08/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014266
pH (SU)	10.00	~~24004996~~	~~08/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24011537
D.O. (%)	N/A	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
ORP (mV)	228.0	~~24011792~~	~~06/2025~~ 01/2026 KR	Atlanta Instrument Rental, Inc.	22490162

Calibration

Time Start	0830	Time Finish	0852		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.10	5.46	± 10%	NA
Specific Conductance (µS/cm)	4,490	4482.95	5.71	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	5.75	± 0.1	GWMP
pH (SU)	7.00	7.05	5.89	± 0.1	GWMP
pH (SU)	10.00	10.16	5.95	± 0.1	GWMP
ORP (mV)	228.0	237.3	5.96	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	9.16		

Calibration Check

Time Start	1713	Time Finish	1723		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4495.5	8.74	± 10% of standard	EPA 2023
pH (SU)	4.00	4.22	8.74	± 0.1	GWMP
pH (SU)	7.00	7.39	8.68	± 0.1	GWMP
pH (SU)	10.00	10.34	8.57	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.08	± 10% of standard	EPA 2023
	1.00	1.17		
	10.00	10.92		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/12/2025

Calibrated By: Natalie Piparo

Field Conditions: H 52, L 40

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	843285
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:33	**Time Finish**	08:46		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.75	5.44	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,528.50	5.69	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	5.79	± 0.1	GWMP
pH (SU)	7.00	7.09	5.85	± 0.1	GWMP
pH (SU)	10.00	10.21	5.88	± 0.1	GWMP
ORP (mV)	228.0	236.70	5.84	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.97		
	10.00	10.70		

Calibration Check					
Time Start	17:14	**Time Finish**	17:22		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,491.10	6.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	6.13	± 0.1	GWMP
pH (SU)	7.00	7.22	6.13	± 0.1	GWMP
pH (SU)	10.00	10.30	6.18	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.08	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.50		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/12/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Drizzle

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:49	**Time Finish**	09:02		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	105.32	5.37	± 10%	NA
Specific Conductance (µS/cm)	4,490	2,840.80	5.40	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	5.44	± 0.1	GWMP
pH (SU)	7.00	7.07	5.68	± 0.1	GWMP
pH (SU)	10.00	10.18	5.83	± 0.1	GWMP
ORP (mV)	228.0	237.70	5.89	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.14	± 10% of standard	EPA 2023
	1.00	0.74		
	10.00	6.71		

Calibration Check					
Time Start	17:04	**Time Finish**	17:08		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	2,848.80	6.79	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	6.76	± 0.1	GWMP
pH (SU)	7.00	7.31	7.11	± 0.1	GWMP
pH (SU)	10.00	10.31	7.69	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.24	± 10% of standard	EPA 2023
	1.00	1.33		
	10.00	6.59		

Notes:

Start of Day: Drizzle

End of Day: Rain

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/13/2025

Calibrated By: Natalie Piparo

Field Conditions: H 56, L 34

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	843285
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:38	**Time Finish**	08:52		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.26	6.98	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,422.90	7.18	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	7.25	± 0.1	GWMP
pH (SU)	7.00	7.14	7.39	± 0.1	GWMP
pH (SU)	10.00	10.16	7.35	± 0.1	GWMP
ORP (mV)	228.0	228.40	7.54	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	10.00		

Calibration Check					
Time Start	17:23	**Time Finish**	17:32		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,488.10	10.95	± 10% of standard	EPA 2023
pH (SU)	4.00	4.84	10.95	± 0.1	GWMP
pH (SU)	7.00	7.66	11.28	± 0.1	GWMP
pH (SU)	10.00	10.89	12.00	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.20		
	10.00	10.80		

Notes:

Start of Day:

End of Day:

Site Name: Plant Bowen -AP

Field Instrumentation Calibration Form

Date: 2-13-25

Calibrated By: Kyle Rhyne

Field Conditions: 53°/26°, cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	980712
Turbidity Meter	LaMotte 2020	7042-3818

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand	Lot #
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
pH (SU)	4.00	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014213
pH (SU)	7.00	~~24008587~~ KR	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014266
pH (SU)	10.00	~~24004996~~	~~06/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24011537
D.O. (%)	N/A	~~24010943~~	~~05/2025~~ 01/2026	Atlanta Instrument Rental, Inc.	24014218
ORP (mV)	228.0	~~24011792~~	~~06/2025~~ 01/2026 KR	Atlanta Instrument Rental, Inc.	22490162

Calibration

Time Start	0840	Time Finish	0858		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.39	7.40	± 10%	NA
Specific Conductance (µS/cm)	4,490	4455.6	7.46	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	7.64	± 0.1	GWMP
pH (SU)	7.00	7.06	7.79	± 0.1	GWMP
pH (SU)	10.00	10.15	7.62	± 0.1	GWMP
ORP (mV)	228.0	225.0	7.58	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	-0.04	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	9.79		

Calibration Check

Time Start	1718	Time Finish	1725		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4536.7	10.86	± 10% of standard	EPA 2023
pH (SU)	4.00	~~10.~~ 4.25 KR	10.86	± 0.1	GWMP
pH (SU)	7.00	7.37	10.83	± 0.1	GWMP
pH (SU)	10.00	10.38	10.79	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	-0.03	± 10% of standard	EPA 2023
	1.00	1.07		
	10.00	10.74		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 02/13/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Overcast

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:43	**Time Finish**	08:58		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.63	8.18	± 10%	NA
Specific Conductance (µS/cm)	4,490	2,928.60	8.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	8.17	± 0.1	GWMP
pH (SU)	7.00	7.03	7.77	± 0.1	GWMP
pH (SU)	10.00	10.12	7.50	± 0.1	GWMP
ORP (mV)	228.0	224.30	7.42	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.13	± 10% of standard	EPA 2023
	1.00	0.89		
	10.00	8.42		

Calibration Check					
Time Start	17:06	**Time Finish**	17:10		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3,347.30	11.49	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	11.39	± 0.1	GWMP
pH (SU)	7.00	7.30	11.74	± 0.1	GWMP
pH (SU)	10.00	10.29	12.46	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.29	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	7.61		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen

Date: 02/18/2025

Calibrated By: Sawyer Kovacs

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082822
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24010943	05/2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24008587	06/2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24004996	06/2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24010943	05/2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24006903	05/2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:48	**Time Finish**	09:08		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	93.26	1.75	± 10%	NA
Specific Conductance (µS/cm)	4,490	2,724.00	2.09	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	2.30	± 0.1	GWMP
pH (SU)	7.00	7.10	1.69	± 0.1	GWMP
pH (SU)	10.00	10.21	0.94	± 0.1	GWMP
ORP (mV)	228.0	238.70	1.06	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.89		
	10.00	6.82		

Calibration Check					
Time Start	14:29	**Time Finish**	14:33		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,001.50	6.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.19	6.11	± 0.1	GWMP
pH (SU)	7.00	7.32	7.97	± 0.1	GWMP
pH (SU)	10.00	10.24	10.71	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.55	± 10% of standard	EPA 2023
	1.00	1.44		
	10.00	7.64		

Notes:

Start of Day: Frozen cal fluid.

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/31/2025

Calibrated By: Shannon Northen

Field Conditions: 90°/73°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1211518
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:40	**Time Finish**	08:55		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.20	25.39	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,524.00	25.69	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	25.85	± 0.1	GWMP
pH (SU)	7.00	7.00	26.40	± 0.1	GWMP
pH (SU)	10.00	10.01	26.68	± 0.1	GWMP
ORP (mV)	228.0	229.50	26.66	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.06		
	10.00	9.93		

Calibration Check					
Time Start	17:16	**Time Finish**	17:20		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,457.00	29.04	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	33.08	± 0.1	GWMP
pH (SU)	7.00	7.22	33.47	± 0.1	GWMP
pH (SU)	10.00	10.18	33.79	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	9.90		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/31/2025

Calibrated By: Natalie Piparo

Field Conditions: H 90, L 74

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:50	**Time Finish**	09:00		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.28	26.62	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,445.70	26.59	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	26.55	± 0.1	GWMP
pH (SU)	7.00	7.01	27.08	± 0.1	GWMP
pH (SU)	10.00	9.94	27.61	± 0.1	GWMP
ORP (mV)	228.0	229.20	27.70	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.23		
	10.00	10.50		

Calibration Check					
Time Start	17:04	**Time Finish**	17:09		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,539.90	29.85	± 10% of standard	EPA 2023
pH (SU)	4.00	4.18	29.89	± 0.1	GWMP
pH (SU)	7.00	7.23	30.28	± 0.1	GWMP
pH (SU)	10.00	10.14	31.22	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.16		
	10.00	9.99		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/04/2025

Calibrated By: Shannon Northen

Field Conditions: 71°/ 65°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1211518
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:36	**Time Finish**	08:44		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	94.34	19.81	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,472.00	19.81	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	19.82	± 0.1	GWMP
pH (SU)	7.00	7.05	20.28	± 0.1	GWMP
pH (SU)	10.00	10.08	20.42	± 0.1	GWMP
ORP (mV)	228.0	236.50	20.39	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.06		
	10.00	9.92		

Calibration Check					
Time Start	16:16	**Time Finish**	16:25		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,414.00	25.38	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	25.39	± 0.1	GWMP
pH (SU)	7.00	7.25	25.40	± 0.1	GWMP
pH (SU)	10.00	10.24	25.38	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	9.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/04/2025

Calibrated By: Natalie Piparo

Field Conditions: H 72, L 65

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:39	**Time Finish**	08:53		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.25	23.74	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,519.30	23.73	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	23.74	± 0.1	GWMP
pH (SU)	7.00	7.02	23.74	± 0.1	GWMP
pH (SU)	10.00	10.00	23.61	± 0.1	GWMP
ORP (mV)	228.0	235.00	23.56	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	10.03		

Calibration Check					
Time Start	15:54	**Time Finish**	16:00		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	44,816.30	21.72	± 10% of standard	EPA 2023
pH (SU)	4.00	4.14	21.72	± 0.1	GWMP
pH (SU)	7.00	7.23	21.73	± 0.1	GWMP
pH (SU)	10.00	10.24	21.82	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.25		
	10.00	10.20		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/05/2025

Calibrated By: Natalie Piparo

Field Conditions: H 76, L 66, Rain

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:02	**Time Finish**	09:21		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	103.10	20.38	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,437.50	20.56	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	20.58	± 0.1	GWMP
pH (SU)	7.00	7.02	20.58	± 0.1	GWMP
pH (SU)	10.00	10.03	20.64	± 0.1	GWMP
ORP (mV)	228.0	227.20	20.46	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	10.17		

Calibration Check					
Time Start	15:50	**Time Finish**	15:55		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,480.30	22.02	± 10% of standard	EPA 2023
pH (SU)	4.00	4.19	22.02	± 0.1	GWMP
pH (SU)	7.00	7.26	22.19	± 0.1	GWMP
pH (SU)	10.00	10.27	23.22	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.11		
	10.00	10.09		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/05/2025

Calibrated By: Shannon Northen

Field Conditions: 76°/ 66°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1211518
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:07	**Time Finish**	09:18		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	103.10	20.41	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,452.00	20.42	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	20.45	± 0.1	GWMP
pH (SU)	7.00	7.01	20.54	± 0.1	GWMP
pH (SU)	10.00	10.03	20.60	± 0.1	GWMP
ORP (mV)	228.0	227.20	20.65	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	9.89		

Calibration Check					
Time Start	15:30	**Time Finish**	15:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,431.00	29.04	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	29.04	± 0.1	GWMP
pH (SU)	7.00	7.22	29.05	± 0.1	GWMP
pH (SU)	10.00	10.24	29.04	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.14		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/05/2025

Calibrated By: Jay Siewert

Field Conditions: 76°/67° Rain

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:15	**Time Finish**	09:38		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.92	20.32	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,460.00	20.38	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	20.40	± 0.1	GWMP
pH (SU)	7.00	7.04	20.40	± 0.1	GWMP
pH (SU)	10.00	10.06	20.49	± 0.1	GWMP
ORP (mV)	228.0	225.50	20.49	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.05		
	10.00	9.96		

Calibration Check					
Time Start	15:42	**Time Finish**	15:50		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,462.00	23.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	23.75	± 0.1	GWMP
pH (SU)	7.00	7.07	24.39	± 0.1	GWMP
pH (SU)	10.00	10.09	25.38	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	9.99		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/06/2025

Calibrated By: Jay Siewert

Field Conditions: 83°/69°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:29	**Time Finish**	08:31		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.20	21.92	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,526.00	21.96	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	22.00	± 0.1	GWMP
pH (SU)	7.00	7.03	22.16	± 0.1	GWMP
pH (SU)	10.00	9.98	22.28	± 0.1	GWMP
ORP (mV)	228.0	234.60	22.36	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	10.07		

Calibration Check					
Time Start	16:08	**Time Finish**	16:19		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,483.00	26.08	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	26.17	± 0.1	GWMP
pH (SU)	7.00	7.10	26.57	± 0.1	GWMP
pH (SU)	10.00	10.02	28.06	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.99		
	10.00	10.20		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/06/2025

Calibrated By: Natalie Piparo

Field Conditions: H 85, L 67

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:29	**Time Finish**	08:44		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	97.12	21.67	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,497.20	21.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	21.71	± 0.1	GWMP
pH (SU)	7.00	7.04	21.75	± 0.1	GWMP
pH (SU)	10.00	10.05	21.79	± 0.1	GWMP
ORP (mV)	228.0	228.00	21.78	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.03		
	10.00	10.26		

Calibration Check					
Time Start	17:12	**Time Finish**	17:17		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,463.90	25.77	± 10% of standard	EPA 2023
pH (SU)	4.00	4.20	25.74	± 0.1	GWMP
pH (SU)	7.00	7.31	26.72	± 0.1	GWMP
pH (SU)	10.00	10.29	27.93	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	10.24		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/07/2025

Calibrated By: Natalie Piparo

Field Conditions: H 87, L 68

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:30	**Time Finish**	08:50		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	98.89	23.35	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,450.00	23.22	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.29	± 0.1	GWMP
pH (SU)	7.00	7.02	23.22	± 0.1	GWMP
pH (SU)	10.00	10.05	23.24	± 0.1	GWMP
ORP (mV)	228.0	224.30	23.44	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.30		
	10.00	10.07		

Calibration Check					
Time Start	16:44	**Time Finish**	16:48		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,554.50	25.73	± 10% of standard	EPA 2023
pH (SU)	4.00	4.22	25.73	± 0.1	GWMP
pH (SU)	7.00	7.25	25.93	± 0.1	GWMP
pH (SU)	10.00	10.23	26.85	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.21		
	10.00	10.11		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/07/2025

Calibrated By: Shannon Northen

Field Conditions: 68°/ 85°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:33	**Time Finish**	08:49		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.74	23.77	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,433.00	23.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.00	± 0.1	GWMP
pH (SU)	7.00	7.02	24.61	± 0.1	GWMP
pH (SU)	10.00	10.04	24.94	± 0.1	GWMP
ORP (mV)	228.0	221.30	25.03	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	10.12		

Calibration Check					
Time Start	16:08	**Time Finish**	16:16		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,462.00	32.62	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	32.62	± 0.1	GWMP
pH (SU)	7.00	7.22	32.61	± 0.1	GWMP
pH (SU)	10.00	10.20	32.57	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	10.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/07/2025

Calibrated By: Jay Siewert

Field Conditions: 85°/68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:23	**Time Finish**	09:41		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.08	23.48	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,468.00	23.35	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	23.39	± 0.1	GWMP
pH (SU)	7.00	7.03	23.39	± 0.1	GWMP
pH (SU)	10.00	10.07	23.35	± 0.1	GWMP
ORP (mV)	228.0	258.20	23.79	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	10.04		

Calibration Check					
Time Start	17:44	**Time Finish**	17:54		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,513.00	27.81	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	27.81	± 0.1	GWMP
pH (SU)	7.00	7.09	28.25	± 0.1	GWMP
pH (SU)	10.00	10.14	28.97	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.03		
	10.00	9.99		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/08/2025

Calibrated By: Shannon Northen

Field Conditions: 84°/ 68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:33	**Time Finish**	08:42		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.22	21.62	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,459.00	21.66	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	21.68	± 0.1	GWMP
pH (SU)	7.00	7.03	22.02	± 0.1	GWMP
pH (SU)	10.00	10.02	22.15	± 0.1	GWMP
ORP (mV)	228.0	233.20	22.33	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.10		

Calibration Check					
Time Start	13:29	**Time Finish**	13:35		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,440.00	32.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	35.99	± 0.1	GWMP
pH (SU)	7.00	7.21	36.23	± 0.1	GWMP
pH (SU)	10.00	10.18	36.34	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	10.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/08/2025

Calibrated By: Natalie Piparo

Field Conditions: H 85, L 67

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:37	**Time Finish**	08:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	98.99	23.01	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,564.70	23.31	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	23.42	± 0.1	GWMP
pH (SU)	7.00	7.01	23.69	± 0.1	GWMP
pH (SU)	10.00	10.02	23.83	± 0.1	GWMP
ORP (mV)	228.0	227.80	23.70	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.13		
	10.00	10.34		

Calibration Check					
Time Start	13:33	**Time Finish**	13:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,436.50	25.62	± 10% of standard	EPA 2023
pH (SU)	4.00	4.16	25.64	± 0.1	GWMP
pH (SU)	7.00	7.26	26.36	± 0.1	GWMP
pH (SU)	10.00	10.12	27.75	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	10.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/08/2025

Calibrated By: Jay Siewert

Field Conditions: 85°/65°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:43	**Time Finish**	09:00		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.00	22.95	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,491.00	22.87	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	22.90	± 0.1	GWMP
pH (SU)	7.00	7.01	22.80	± 0.1	GWMP
pH (SU)	10.00	10.02	22.59	± 0.1	GWMP
ORP (mV)	228.0	233.20	22.94	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.00		
	10.00	10.02		

Calibration Check					
Time Start	13:45	**Time Finish**	13:53		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,423.00	26.64	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	26.89	± 0.1	GWMP
pH (SU)	7.00	7.07	26.65	± 0.1	GWMP
pH (SU)	10.00	10.10	26.78	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	9.97		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/11/2025

Calibrated By: Shannon Northen

Field Conditions: 84°/ 68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:38	**Time Finish**	08:41		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.20	25.04	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,558.00	25.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	25.18	± 0.1	GWMP
pH (SU)	7.00	7.02	25.62	± 0.1	GWMP
pH (SU)	10.00	10.01	25.90	± 0.1	GWMP
ORP (mV)	228.0	220.10	26.08	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	9.87		

Calibration Check					
Time Start	17:12	**Time Finish**	17:20		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,451.00	28.83	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	28.82	± 0.1	GWMP
pH (SU)	7.00	7.23	28.74	± 0.1	GWMP
pH (SU)	10.00	10.23	28.64	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	10.05		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/11/2025

Calibrated By: Natalie Piparo

Field Conditions: H 82, L 73

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:42	**Time Finish**	08:51		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.59	24.27	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,479.70	24.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	24.41	± 0.1	GWMP
pH (SU)	7.00	6.97	24.46	± 0.1	GWMP
pH (SU)	10.00	9.98	24.49	± 0.1	GWMP
ORP (mV)	228.0	226.40	24.46	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.13		
	10.00	10.14		

Calibration Check					
Time Start	15:38	**Time Finish**	15:42		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,472.40	25.44	± 10% of standard	EPA 2023
pH (SU)	4.00	4.17	25.44	± 0.1	GWMP
pH (SU)	7.00	7.28	25.58	± 0.1	GWMP
pH (SU)	10.00	10.24	26.02	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.10		
	10.00	10.19		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/11/2025

Calibrated By: Jay Siewert

Field Conditions: 82°/73°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:43	**Time Finish**	08:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	98.67	24.34	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,492.00	24.43	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	24.56	± 0.1	GWMP
pH (SU)	7.00	7.02	24.65	± 0.1	GWMP
pH (SU)	10.00	9.99	24.76	± 0.1	GWMP
ORP (mV)	228.0	228.90	24.60	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	10.24		

Calibration Check					
Time Start	16:54	**Time Finish**	17:03		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,429.00	26.48	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	26.48	± 0.1	GWMP
pH (SU)	7.00	7.06	26.57	± 0.1	GWMP
pH (SU)	10.00	10.08	27.30	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	9.99		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/12/2025

Calibrated By: Natalie Piparo

Field Conditions: H 82, L 72

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:39	**Time Finish**	09:53		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.34	24.90	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,476.30	24.91	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.97	± 0.1	GWMP
pH (SU)	7.00	7.07	24.95	± 0.1	GWMP
pH (SU)	10.00	10.01	24.98	± 0.1	GWMP
ORP (mV)	228.0	226.20	25.05	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	10.14		

Calibration Check					
Time Start	16:24	**Time Finish**	16:28		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,548.40	27.65	± 10% of standard	EPA 2023
pH (SU)	4.00	4.20	27.65	± 0.1	GWMP
pH (SU)	7.00	7.23	27.69	± 0.1	GWMP
pH (SU)	10.00	10.21	27.82	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	10.06		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/12/2025

Calibrated By: Jay Siewert

Field Conditions: 82°/72°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	10:15	**Time Finish**	10:37		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.80	27.60	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,488.00	27.02	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	27.21	± 0.1	GWMP
pH (SU)	7.00	7.03	26.40	± 0.1	GWMP
pH (SU)	10.00	10.01	26.19	± 0.1	GWMP
ORP (mV)	228.0	214.50	26.24	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.00		
	10.00	9.60		

Calibration Check					
Time Start	17:15	**Time Finish**	17:33		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,501.00	26.54	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	26.42	± 0.1	GWMP
pH (SU)	7.00	7.05	26.82	± 0.1	GWMP
pH (SU)	10.00	10.02	26.12	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.07		
	10.00	10.05		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/13/2025

Calibrated By: Shannon Northen

Field Conditions: 89°/ 73°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:08	**Time Finish**	09:20		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.80	24.04	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,466.00	24.10	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.25	± 0.1	GWMP
pH (SU)	7.00	7.02	24.45	± 0.1	GWMP
pH (SU)	10.00	24.54	10.00	± 0.1	GWMP
ORP (mV)	228.0	228.50	24.58	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.15		
	10.00	9.81		

Calibration Check					
Time Start	13:20	**Time Finish**	13:31		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,480.00	31.94	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	31.91	± 0.1	GWMP
pH (SU)	7.00	7.17	31.45	± 0.1	GWMP
pH (SU)	10.00	10.15	31.09	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	10.13		

Notes:

Start of Day:

End of Day:

APPENDIX C

Statistical Analysis Reports

GROUNDWATER STATS CONSULTING

August 29, 2025

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 2025 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 2025 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 for the majority of wells, and at least 8 background samples were collected at each of the groundwater monitoring wells. 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-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, BGWC-50D, BGWC-53D, and PZ-7

Note that well BGWA-33 was not sampled during the February 2025 semiannual groundwater monitoring event reportedly due to lack of recharge in previous events, and has been repurposed to a piezometer following approval of the Groundwater Monitoring Plan Minor Modification on July 16, 2025. Therefore, this well is not included in this analysis.

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
- April 2022 – PZ-7
- December 2024 – BGWC-53D

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, all assessment wells, except for BGWC-53D, have the required minimum samples and, therefore, are evaluated using confidence intervals. Data from all assessment wells are plotted on the time series graphs and box plots.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician for Groundwater Stats Consulting. In 2024, Georgia Power Company completed a data audit and migration of all CCR related groundwater data to the EarthSoft EQuIS Database Management Program (EQuIS). Data were then exported from EQuIS to Groundwater Stats Consulting (GSC) for use in completing this statistical analysis. Georgia Power Company contracted an independent third-party consultant, Environmental Resources Management (ERM), to support the data audit and migration to EQuIS. Based on the results of the audit and statistical analysis results from GSC, EQuIS will now be used by Georgia Power Company and its third-party geologists and engineers for management of data imported by independent third-party laboratories and data exported by Georgia Power Company and

its Consultants. The data will be used in preparation of report submittals, modeling, strategic planning, and other purposes appropriate and consistent with EQuIS's data management and reporting tools and capabilities.

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 case of cadmium, historic reporting limits were either higher than or equal to the MCL or CCR-Rule specified levels; therefore, the most recent (and lower) respective reporting limits were substituted across all wells for these constituents. Similarly, dilution factors during a previous event for beryllium and during the current event for selenium resulted in elevated reporting limits for some wells; therefore, the most recent (and lower) reporting limits were substituted across all wells for these constituents.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the 2017 screening to demonstrate that the selected statistical methods for Appendix III parameters comply with

the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

The original background screening was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Interwell prediction limits, combined with a 1-of-2 resample plan, were recommended.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods – Appendix III and IV Parameters

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan, for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Statistical Analysis of Appendix III Parameters – February 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. No additional Appendix III values were flagged as an outlier in the database for Appendix III parameters. Values in background which were previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2025 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2025 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-14A, BGWC-20, BGWC-22, BGWC-23, and BGWC-25
- Calcium: BGWA-2 (upgradient), BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, and BGWC-23
- Chloride: BGWC-10, BGWC-22, and BGWC-25
- Sulfate: BGWA-2 (upgradient), BGWC-12, and BGWC-16
- TDS: BGWA-2 (upgradient), BGWC-12, BGWC-14A, BGWC-16, BGWC-20, and BGWC-22

Decreasing

- Boron: BGWC-7, BGWC-9, BGWC-17, BGWC-18, BGWC-19, BGWC-30, BGWC-51, and BGWC-52
- Calcium: BGWC-7 and BGWC-24
- Chloride: BGWA-29 (upgradient), BGWA-47D (upgradient), BGWC-9, BGWC-12, BGWC-16, BGWC-24, BGWC-30, BGWC-51, and BGWC-52

- pH: BGWA-2 (upgradient), BGWA-47D (upgradient), BGWC-16, and BGWC-24
- Sulfate: BGWA-29 (upgradient), BGWC-7, BGWC-9, BGWC-10, BGWC-19, and BGWC-24
- TDS: BGWC-7 and BGWC-24

Statistical Analysis of Appendix IV Parameters – February 2025

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 containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional measurements were flagged among upgradient wells and all previously flagged measurements were confirmed. A historic elevated reporting limit above the CCR-Rule specified limit for lithium at downgradient wells BGWC-38D and BRGWC-41D was flagged during this analysis. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through February 2025 for Appendix IV constituents (Figure F). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

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 well with 8 or more observations and each assessment well with 4 or more observations using all available data through February 2025 (Figure H).

Confidence intervals were compared to the GWPS prepared as described above. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics depending on the sample size as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Note that due to an increasing trend for cobalt at downgradient well BGWC-16 and lithium at BGWC-20, the records were truncated to eliminate the trend and only the most recent observations were used to construct the confidence interval (USEPA Unified Guidance, 2009, Chapter 7). Trend tests using both the full and truncated records follow this report (Figure I). Summaries of the confidence intervals follow this letter and exceedances were identified for the following well/constituent pairs:

- Arsenic: BGWC-34D
- Cobalt: BGWC-16 and BGWC-22
- Molybdenum: BGWC-43D

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure J). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing
- Cobalt: BGWC-16 and BGWC-22

Decreasing
- None

Summary

Observations from the February 2025 sample event were compared to established interwell prediction limits for Appendix III constituents. Several statistically significant increases were identified and may be seen on the summary table following this letter. When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, the following exceedances were identified:

- Arsenic: BGWC-34D
- Cobalt: BGWC-16 and BGWC-22
- Molybdenum: BGWC-43D

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,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

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Summary Tables

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Date Ranges

Date: 4/9/2025 2:16 PM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Cobalt (mg/L)
BGWC-16 overall:9/24/2020-2/6/2025
Lithium (mg/L)
BGWC-20 overall:2/18/2021-2/6/2025

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 6/3/2025 12:06 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Antimony (mg/L)
BGWC-12, BGWC-18, BGWC-39, PZ-7

Beryllium (mg/L)
BGWC-7, BGWC-8, BGWC-9, 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

Cadmium (mg/L)
BGWC-7, BGWC-8, BGWC-9, 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

Chromium (mg/L)
BGWC-19, BGWC-22, BGWC-34D, BGWC-50D, PZ-7

Cobalt (mg/L)
BGWC-42D, BGWC-44D, BGWC-51, PZ-7

Lead (mg/L)
BGWC-7, PZ-7

Lithium (mg/L)
BGWC-18, BGWC-19, BGWC-21, BGWC-25, BGWC-31, BGWC-32

Mercury (mg/L)
BGWC-32, BGWC-37D, BGWC-40, BGWC-42D, BGWC-49D, BGWC-50D

Molybdenum (mg/L)
BGWC-12, BGWC-16, BGWC-17, BGWC-18, PZ-7

Selenium (mg/L)
BGWC-7, BGWC-10, BGWC-25, BGWC-37D, BGWC-44D, BGWC-50D, PZ-7

Thallium (mg/L)
BGWC-8, BGWC-10, BGWC-21, BGWC-25, BGWC-31, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D

Appendix III - Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:47 AM

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-7	0.04	n/a	2/6/2025	0.83	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.04	n/a	2/5/2025	0.52	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-10	0.04	n/a	2/6/2025	0.51	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.04	n/a	2/5/2025	1.9	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.04	n/a	2/5/2025	1.7	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.04	n/a	2/6/2025	2.7	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.04	n/a	2/7/2025	1.2	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.04	n/a	2/7/2025	0.5	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.04	n/a	2/7/2025	0.4	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.04	n/a	2/6/2025	5.4	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.04	n/a	2/13/2025	13.2	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.04	n/a	2/11/2025	6.7	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.04	n/a	2/11/2025	12.5	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.04	n/a	2/10/2025	0.16	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.04	n/a	2/10/2025	1.1	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.04	n/a	2/6/2025	1.1	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.04	n/a	2/7/2025	0.72	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	2/6/2025	125	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	2/5/2025	224	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	2/5/2025	215	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	2/6/2025	221	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	2/6/2025	327	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	2/13/2025	427	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	2/11/2025	280	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	2/11/2025	377	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-9	9.256	n/a	2/5/2025	9.6	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-10	9.256	n/a	2/6/2025	28.6	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.256	n/a	2/5/2025	13.2	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.256	n/a	2/5/2025	20.6	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.256	n/a	2/6/2025	13.1	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.256	n/a	2/7/2025	35.9	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.256	n/a	2/6/2025	118	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.256	n/a	2/13/2025	381	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.256	n/a	2/11/2025	277	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.256	n/a	2/11/2025	352	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	9.256	n/a	2/10/2025	24.2	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.256	n/a	2/10/2025	63.2	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-51	9.256	n/a	2/6/2025	34.5	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-52	9.256	n/a	2/7/2025	31.3	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
pH, Field (SU)	BGWC-16	8.394	6.63	2/6/2025	6.25	Yes	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-18	8.394	6.63	2/7/2025	6.59	Yes	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-24	8.394	6.63	2/11/2025	6.6	Yes	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	2/6/2025	147	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	2/5/2025	80	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	2/6/2025	89.8	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	2/5/2025	456	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	2/5/2025	440	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	2/6/2025	455	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	2/7/2025	119	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	2/7/2025	91	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	2/6/2025	573	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	2/13/2025	356	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	2/11/2025	218	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	2/11/2025	229	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-7	415	n/a	2/6/2025	562	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-12	415	n/a	2/5/2025	1130	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-14A	415	n/a	2/5/2025	984	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-16	415	n/a	2/6/2025	1050	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-17	415	n/a	2/7/2025	442	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-20	415	n/a	2/6/2025	1430	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-22	415	n/a	2/13/2025	1670	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-23	415	n/a	2/11/2025	1300	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-24	415	n/a	2/11/2025	1500	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BGWC-7**	**0.04**	**n/a**	**2/6/2025**	**0.83**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-8	0.04	n/a	2/5/2025	0.029J	No	84	n/a	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-9**	**0.04**	**n/a**	**2/5/2025**	**0.52**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-10**	**0.04**	**n/a**	**2/6/2025**	**0.51**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-12**	**0.04**	**n/a**	**2/5/2025**	**1.9**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-14A**	**0.04**	**n/a**	**2/5/2025**	**1.7**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-16**	**0.04**	**n/a**	**2/6/2025**	**2.7**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-17**	**0.04**	**n/a**	**2/7/2025**	**1.2**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-18**	**0.04**	**n/a**	**2/7/2025**	**0.5**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-19**	**0.04**	**n/a**	**2/7/2025**	**0.4**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-20**	**0.04**	**n/a**	**2/6/2025**	**5.4**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-21	0.04	n/a	2/10/2025	0.025J	No	84	n/a	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-22**	**0.04**	**n/a**	**2/13/2025**	**13.2**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-23**	**0.04**	**n/a**	**2/11/2025**	**6.7**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-24**	**0.04**	**n/a**	**2/11/2025**	**12.5**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-25**	**0.04**	**n/a**	**2/10/2025**	**0.16**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-30**	**0.04**	**n/a**	**2/10/2025**	**1.1**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-51**	**0.04**	**n/a**	**2/6/2025**	**1.1**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-52**	**0.04**	**n/a**	**2/7/2025**	**0.72**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-7**	**117**	**n/a**	**2/6/2025**	**125**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-8	117	n/a	2/5/2025	44.5	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	2/5/2025	72.8	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	2/6/2025	71.4	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-12**	**117**	**n/a**	**2/5/2025**	**224**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-14A**	**117**	**n/a**	**2/5/2025**	**215**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-16**	**117**	**n/a**	**2/6/2025**	**221**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-17	117	n/a	2/7/2025	86.6	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	2/7/2025	52	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	2/7/2025	70.6	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-20**	**117**	**n/a**	**2/6/2025**	**327**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-21	117	n/a	2/10/2025	45.6	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-22**	**117**	**n/a**	**2/13/2025**	**427**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-23**	**117**	**n/a**	**2/11/2025**	**280**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-24**	**117**	**n/a**	**2/11/2025**	**377**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-25	117	n/a	2/10/2025	66	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	2/10/2025	69.4	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	2/6/2025	79.3	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-52	117	n/a	2/7/2025	60.5	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-7	9.256	n/a	2/6/2025	6.1	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	9.256	n/a	2/5/2025	1.4	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-9**	**9.256**	**n/a**	**2/5/2025**	**9.6**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-10**	**9.256**	**n/a**	**2/6/2025**	**28.6**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-12**	**9.256**	**n/a**	**2/5/2025**	**13.2**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-14A**	**9.256**	**n/a**	**2/5/2025**	**20.6**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-16**	**9.256**	**n/a**	**2/6/2025**	**13.1**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-17**	**9.256**	**n/a**	**2/7/2025**	**35.9**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-18	9.256	n/a	2/7/2025	5.6	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	9.256	n/a	2/7/2025	6.5	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-20**	**9.256**	**n/a**	**2/6/2025**	**118**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-21	9.256	n/a	2/10/2025	4.7	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-22**	**9.256**	**n/a**	**2/13/2025**	**381**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-23**	**9.256**	**n/a**	**2/11/2025**	**277**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-24**	**9.256**	**n/a**	**2/11/2025**	**352**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-25**	**9.256**	**n/a**	**2/10/2025**	**24.2**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-30**	**9.256**	**n/a**	**2/10/2025**	**63.2**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-51**	**9.256**	**n/a**	**2/6/2025**	**34.5**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-52**	**9.256**	**n/a**	**2/7/2025**	**31.3**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Fluoride (mg/L)	BGWC-7	0.57	n/a	2/6/2025	0.18	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	2/5/2025	0.073J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	2/5/2025	0.11	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	2/6/2025	0.068J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	2/5/2025	0.1	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	2/5/2025	0.085J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	2/6/2025	0.12	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	2/7/2025	0.17	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	2/7/2025	0.074J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	2/7/2025	0.083J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-20	0.57	n/a	2/6/2025	0.077J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	2/10/2025	0.078J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	2/13/2025	0.29	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	2/11/2025	0.056J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	2/11/2025	0.17	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	2/10/2025	0.066J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	2/10/2025	0.091J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-51	0.57	n/a	2/6/2025	0.19	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-52	0.57	n/a	2/7/2025	0.14	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
pH, Field (SU)	BGWC-7	8.394	6.63	2/6/2025	7.03	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-8	8.394	6.63	2/5/2025	7.64	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-9	8.394	6.63	2/5/2025	7.29	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-10	8.394	6.63	2/6/2025	7.51	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-12	8.394	6.63	2/5/2025	6.92	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-14A	8.394	6.63	2/5/2025	6.89	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-16**	**8.394**	**6.63**	**2/6/2025**	**6.25**	**Yes**	**93**	**7.512**	**0.4153**	**0**	**None**	**No**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-17	8.394	6.63	2/7/2025	7.11	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-18**	**8.394**	**6.63**	**2/7/2025**	**6.59**	**Yes**	**93**	**7.512**	**0.4153**	**0**	**None**	**No**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-19	8.394	6.63	2/7/2025	6.72	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-20	8.394	6.63	2/6/2025	7.16	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-21	8.394	6.63	2/10/2025	7.68	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-22	8.394	6.63	2/13/2025	6.85	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-23	8.394	6.63	2/11/2025	6.94	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-24**	**8.394**	**6.63**	**2/11/2025**	**6.6**	**Yes**	**93**	**7.512**	**0.4153**	**0**	**None**	**No**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-25	8.394	6.63	2/10/2025	7.47	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-30	8.394	6.63	2/10/2025	7.37	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-51	8.394	6.63	2/6/2025	7.39	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-52	8.394	6.63	2/7/2025	7.6	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	**BGWC-7**	**78**	**n/a**	**2/6/2025**	**147**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-8	78	n/a	2/5/2025	11.6	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-9**	**78**	**n/a**	**2/5/2025**	**80**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-10**	**78**	**n/a**	**2/6/2025**	**89.8**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-12**	**78**	**n/a**	**2/5/2025**	**456**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-14A**	**78**	**n/a**	**2/5/2025**	**440**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-16**	**78**	**n/a**	**2/6/2025**	**455**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-17**	**78**	**n/a**	**2/7/2025**	**119**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-18	78	n/a	2/7/2025	62	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-19**	**78**	**n/a**	**2/7/2025**	**91**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-20**	**78**	**n/a**	**2/6/2025**	**573**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-21	78	n/a	2/10/2025	51.6	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-22**	**78**	**n/a**	**2/13/2025**	**356**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-23**	**78**	**n/a**	**2/11/2025**	**218**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-24**	**78**	**n/a**	**2/11/2025**	**229**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-25	78	n/a	2/10/2025	42.4	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	2/10/2025	29.4	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-51	78	n/a	2/6/2025	58.8	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-52	78	n/a	2/7/2025	64	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-7**	**415**	**n/a**	**2/6/2025**	**562**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-8	415	n/a	2/5/2025	173	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-9	415	n/a	2/5/2025	344	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-10	415	n/a	2/6/2025	402	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-12**	**415**	**n/a**	**2/5/2025**	**1130**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-14A**	**415**	**n/a**	**2/5/2025**	**984**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-16**	**415**	**n/a**	**2/6/2025**	**1050**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-17**	**415**	**n/a**	**2/7/2025**	**442**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-18	415	n/a	2/7/2025	264	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-19	415	n/a	2/7/2025	345	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-20**	**415**	**n/a**	**2/6/2025**	**1430**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-21	415	n/a	2/10/2025	243	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-22**	**415**	**n/a**	**2/13/2025**	**1670**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-23**	**415**	**n/a**	**2/11/2025**	**1300**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-24**	**415**	**n/a**	**2/11/2025**	**1500**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-25	415	n/a	2/10/2025	286	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-30	415	n/a	2/10/2025	282	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-51	415	n/a	2/6/2025	321	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-52	415	n/a	2/7/2025	282	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	BGWC-7	-0.1544	-215	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.02433	-122	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.07023	193	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1667	73	63	Yes	17	0	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.04919	-116	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.05685	-173	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.03852	-111	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.257	168	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.255	201	131	Yes	28	0	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.104	147	118	Yes	26	0	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.007284	154	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-2.607	-204	-124	Yes	27	0	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-6.453	-49	-34	Yes	11	0	n/a	0.01	NP
Boron (mg/L)	BGWC-52	-2.521	-42	-34	Yes	11	0	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.619	207	111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-2.602	-113	-105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	15.15	250	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	16.03	74	63	Yes	17	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	11.57	186	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.46	213	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	44.04	213	131	Yes	28	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	43.33	129	118	Yes	26	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-65.97	-131	-124	Yes	27	0	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1025	-198	-111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3414	-102	-63	Yes	17	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-3.585	-151	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.164	201	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-4.165	-257	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.286	-211	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	40.77	135	131	Yes	28	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-188.7	-197	-124	Yes	27	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-25	0.5011	142	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-103.3	-225	-124	Yes	27	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-204.9	-49	-34	Yes	11	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-52	-123.1	-41	-34	Yes	11	0	n/a	0.01	NP
pH, Field (SU)	BGWA-2 (bg)	-0.05116	-204	-139	Yes	29	0	n/a	0.01	NP
pH, Field (SU)	BGWA-47D (bg)	-0.08757	-84	-68	Yes	18	0	n/a	0.01	NP
pH, Field (SU)	BGWC-16	-0.06475	-271	-131	Yes	28	0	n/a	0.01	NP
pH, Field (SU)	BGWC-24	-0.04776	-237	-152	Yes	31	0	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.123	227	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.4115	-118	-111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.89	-185	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-4.789	-143	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-2.013	-145	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	32.65	211	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	24.68	185	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-9.196	-146	-105	Yes	24	4.167	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-50.36	-161	-124	Yes	27	0	n/a	0.01	NP
TDS (mg/L)	BGWA-2 (bg)	7.06	146	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-7	-42.71	-192	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-12	71.55	206	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-14A	75.9	66	63	Yes	17	0	n/a	0.01	NP
TDS (mg/L)	BGWC-16	47.47	168	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-20	42.78	157	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-22	124.6	112	111	Yes	25	0	n/a	0.01	NP
TDS (mg/L)	BGWC-24	-367.8	-134	-111	Yes	25	0	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	0.0002813	29	111	No	25	12	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	27	111	No	25	60	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.001047	-30	-63	No	17	0	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	-0.0004141	-7	-63	No	17	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-7**	**-0.1544**	**-215**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-9**	**-0.02433**	**-122**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-10	0.002345	45	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-12**	**0.07023**	**193**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-14A**	**0.1667**	**73**	**63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-16	0.04948	68	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-17**	**-0.04919**	**-116**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-18**	**-0.05685**	**-173**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-19**	**-0.03852**	**-111**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-20**	**0.257**	**168**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-22**	**1.255**	**201**	**131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-23**	**1.104**	**147**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-24	-1.841	-116	-124	No	27	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-25**	**0.007284**	**154**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-30**	**-2.607**	**-204**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-51**	**-6.453**	**-49**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-52**	**-2.521**	**-42**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWA-2 (bg)**	**2.619**	**207**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWA-29 (bg)	0.07721	34	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	0.4614	8	63	No	17	0	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-1.134	-14	-63	No	17	0	n/a	0.01	NP
Calcium (mg/L)	**BGWC-7**	**-2.602**	**-113**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-12**	**15.15**	**250**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-14A**	**16.03**	**74**	**63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-16**	**11.57**	**186**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-20**	**14.46**	**213**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-22**	**44.04**	**213**	**131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-23**	**43.33**	**129**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-24**	**-65.97**	**-131**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-2 (bg)	0.109	85	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.1025**	**-198**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3414**	**-102**	**-63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-48D (bg)	0.07893	8	63	No	17	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-9**	**-3.585**	**-151**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-10**	**1.164**	**201**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-12**	**-4.165**	**-257**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-14A	-0.4289	-16	-63	No	17	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-16**	**-3.286**	**-211**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-17	0.3585	32	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	0.6358	47	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-22**	**40.77**	**135**	**131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-23	42.71	93	118	No	26	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-24**	**-188.7**	**-197**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-25**	**0.5011**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-30**	**-103.3**	**-225**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-51**	**-204.9**	**-49**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-52**	**-123.1**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-2 (bg)**	**-0.05116**	**-204**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-29 (bg)	-0.006436	-25	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**BGWA-47D (bg)**	**-0.08757**	**-84**	**-68**	**Yes**	**18**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-48D (bg)	-0.04305	-22	-68	No	18	0	n/a	0.01	NP
pH, Field (SU)	**BGWC-16**	**-0.06475**	**-271**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
pH, Field (SU)	BGWC-18	-0.07076	-125	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**BGWC-24**	**-0.04776**	**-237**	**-152**	**Yes**	**31**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.123**	**227**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.4115**	**-118**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWA-47D (bg)	0.247	9	63	No	17	0	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-0.1245	0	63	No	17	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-7**	**-36.89**	**-185**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-9**	**-4.789**	**-143**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-10**	**-2.013**	**-145**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-12**	**32.65**	**211**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-14A	44.42	61	63	No	17	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-16**	**24.68**	**185**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-17	-0.1203	-16	-105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-19**	**-9.196**	**-146**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-20	4.095	54	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	-11.25	-38	-131	No	28	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	-1.008	-6	-118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-24**	**-50.36**	**-161**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWA-2 (bg)**	**7.06**	**146**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWA-29 (bg)	-1.327	-55	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	BGWA-47D (bg)	4.111	39	63	No	17	0	n/a	0.01	NP
TDS (mg/L)	BGWA-48D (bg)	5.434	24	63	No	17	0	n/a	0.01	NP
TDS (mg/L)	**BGWC-7**	**-42.71**	**-192**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-12**	**71.55**	**206**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-14A**	**75.9**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-16**	**47.47**	**168**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-17	5.434	58	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**BGWC-20**	**42.78**	**157**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-22**	**124.6**	**112**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-23	132.5	84	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**BGWC-24**	**-367.8**	**-134**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:57 AM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	82	n/a	n/a	68.29	n/a	n/a	0.01491	NP Inter(NDs)
Arsenic (mg/L)	0.01	90	n/a	n/a	58.89	n/a	n/a	0.009888	NP Inter(NDs)
Barium (mg/L)	0.218	90	n/a	n/a	0	n/a	n/a	0.009888	NP Inter(normality)
Beryllium (mg/L)	0.0005	86	n/a	n/a	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Cadmium (mg/L)	0.0005	90	n/a	n/a	97.78	n/a	n/a	0.009888	NP Inter(NDs)
Chromium (mg/L)	0.005	86	n/a	n/a	69.77	n/a	n/a	0.01214	NP Inter(NDs)
Cobalt (mg/L)	0.005	91	n/a	n/a	93.41	n/a	n/a	0.009394	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.647	90	0.8026	0.4347	0	None	No	0.05	Inter
Fluoride (mg/L)	0.57	93	n/a	n/a	48.39	n/a	n/a	0.008478	NP Inter(normality)
Lead (mg/L)	0.0024	86	n/a	n/a	69.77	n/a	n/a	0.01214	NP Inter(NDs)
Lithium (mg/L)	0.03	90	n/a	n/a	80	n/a	n/a	0.009888	NP Inter(NDs)
Mercury (mg/L)	0.00022	86	n/a	n/a	91.86	n/a	n/a	0.01214	NP Inter(NDs)
Molybdenum (mg/L)	0.01	91	n/a	n/a	64.84	n/a	n/a	0.009394	NP Inter(NDs)
Selenium (mg/L)	0.005	86	n/a	n/a	84.88	n/a	n/a	0.01214	NP Inter(NDs)
Thallium (mg/L)	0.001	90	n/a	n/a	84.44	n/a	n/a	0.009888	NP Inter(NDs)

BOWEN ASH POND 1 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.65	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	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Appendix IV Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**BGWC-34D**	**0.01754**	**0.0149**	**0.01**	**Yes**	**18**	**0.01622**	**0.002184**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-16**	**0.01207**	**0.008909**	**0.006**	**Yes**	**11**	**0.01049**	**0.001899**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-22**	**0.02539**	**0.01667**	**0.006**	**Yes**	**30**	**0.02103**	**0.009695**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**BGWC-43D**	**0.1905**	**0.1338**	**0.1**	**Yes**	**14**	**0.1621**	**0.04003**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	23	0.002648	0.0008229	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	23	0.002672	0.0008671	86.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	22	0.002583	0.0009247	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWA-6	0.003	0.0017	0.006	No	21	0.002938	0.0002837	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	23	0.002861	0.0003846	86.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	18	0.002717	0.0008247	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	23	0.002887	0.0005421	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	23	0.002878	0.0005838	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	23	0.002891	0.0005213	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	23	0.002822	0.000606	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	22	0.002868	0.0004292	90.91	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	23	0.002719	0.000723	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.0031	0.0022	0.006	No	24	0.00268	0.001302	54.17	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	23	0.003084	0.001557	65.22	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	23	0.002821	0.0006033	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-30	0.003	0.00085	0.006	No	23	0.002907	0.0004483	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.0023	0.006	No	13	0.002745	0.0007363	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00039	0.006	No	13	0.002596	0.0009858	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00079	0.006	No	13	0.002637	0.0008884	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00066	0.006	No	13	0.002289	0.001018	61.54	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.0021	0.006	No	13	0.002774	0.0005991	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.002	0.006	No	13	0.002662	0.0007564	76.92	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.003519	0.0006452	0.006	No	13	0.002726	0.002749	23.08	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.0005	0.006	No	13	0.002808	0.0006934	92.31	Kaplan-Meier	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	11	0.002709	0.0006472	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.003	0.00083	0.006	No	11	0.002395	0.0009114	63.64	Kaplan-Meier	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-43D	0.003	0.00091	0.006	No	11	0.002454	0.0009587	72.73	Kaplan-Meier	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.003	0.0015	0.006	No	11	0.003118	0.002066	54.55	None	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	9	0.00271	0.00087	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0017	0.006	No	9	0.002733	0.0005315	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.003	0.006	No	11	0.0029	0.0003317	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00085	0.006	No	11	0.00248	0.0009465	72.73	None	No	0.006	NP (NDs)
Arsenic (mg/L)	BGWC-7	0.002754	0.001994	0.01	No	27	0.002374	0.0007969	11.11	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.0007	0.01	No	27	0.002962	0.002169	51.85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-9	0.002352	0.001756	0.01	No	26	0.002908	0.001214	19.23	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWA-6	0.005	0.0013	0.01	No	24	0.003853	0.001844	70.83	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007058	0.005476	0.01	No	27	0.006267	0.001659	3.704	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.00096	0.01	No	27	0.002994	0.001986	44.44	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.0021	0.01	No	18	0.004144	0.001495	72.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.0011	0.01	No	27	0.003385	0.00204	59.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0013	0.01	No	27	0.003667	0.001938	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	27	0.003648	0.001974	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.00082	0.01	No	27	0.003193	0.00209	55.56	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	27	0.003245	0.002009	40.74	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.0012	0.01	No	26	0.003362	0.001984	57.69	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-22	0.003351	0.00197	0.01	No	27	0.003044	0.002149	11.11	None	ln(x)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.003958	0.002069	0.01	No	27	0.003259	0.002292	7.407	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005394	0.003166	0.01	No	28	0.004532	0.002587	14.29	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002949	0.002128	0.01	No	27	0.002593	0.0009306	14.81	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	27	0.002938	0.001853	37.04	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005185	0.003628	0.01	No	16	0.004406	0.001196	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.00363	0.001299	0.01	No	16	0.003064	0.001944	18.75	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	**BGWC-34D**	**0.01754**	**0.0149**	**0.01**	**Yes**	**18**	**0.01622**	**0.002184**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	BGWC-35D	0.00619	0.001889	0.01	No	16	0.004416	0.004095	6.25	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.005	0.00082	0.01	No	16	0.003251	0.001999	37.5	None	No	0.01	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-37D	0.02262	0.00809	0.01	No	13	0.01597	0.01102	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.0054	0.0016	0.01	No	13	0.003546	0.001676	23.08	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-39	0.006113	0.001796	0.01	No	13	0.004758	0.002693	30.77	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-40	0.005	0.00062	0.01	No	13	0.003136	0.001788	38.46	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-41D	0.007339	0.001847	0.01	No	11	0.004593	0.003295	9.091	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-42D	0.007273	0.002963	0.01	No	11	0.005118	0.002586	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.005654	0.001489	0.01	No	11	0.004008	0.002533	18.18	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.005605	0.003068	0.01	No	11	0.004336	0.001523	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.008071	0.002551	0.01	No	9	0.005311	0.002859	11.11	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003152	0.001905	0.01	No	9	0.003189	0.001178	22.22	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.005071	0.001713	0.01	No	11	0.004527	0.001433	45.45	Kaplan-Meier	x^2	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.005	0.001	0.01	No	11	0.003799	0.001734	54.55	Kaplan-Meier	No	0.006	NP (NDs)
Arsenic (mg/L)	PZ-7	0.005525	0.002475	0.01	No	5	0.00458	0.001001	40	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.03712	0.03066	2	No	27	0.03389	0.006764	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.02995	0.02695	2	No	27	0.02781	0.005148	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03098	0.02753	2	No	26	0.02925	0.003532	0	None	No	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.012	2	No	24	0.0221	0.01707	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05503	0.04416	2	No	27	0.05007	0.01217	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-12	0.04165	0.03274	2	No	27	0.0372	0.00934	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04037	0.03252	2	No	18	0.03644	0.006483	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03056	0.02786	2	No	27	0.02921	0.002833	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.018	0.015	2	No	27	0.01681	0.002521	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-18	0.03455	0.03048	2	No	27	0.03251	0.004257	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.0375	0.03154	2	No	27	0.03452	0.00624	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03427	0.03151	2	No	27	0.03289	0.00289	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04056	0.03026	2	No	26	0.03541	0.01057	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.08768	0.07461	2	No	27	0.08006	0.015	0	None	x^2	0.01	Param.
Barium (mg/L)	BGWC-23	0.1017	0.0832	2	No	27	0.09247	0.01943	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-24	0.09873	0.06802	2	No	28	0.08338	0.03286	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.0275	0.016	2	No	27	0.02076	0.00662	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-30	0.1195	0.07229	2	No	27	0.1069	0.06005	0	None	ln(x)	0.01	Param.
Barium (mg/L)	BGWC-31	0.04357	0.03668	2	No	16	0.04013	0.00529	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-32	0.12	0.085	2	No	16	0.1003	0.01899	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-34D	0.05304	0.04171	2	No	16	0.04738	0.008702	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.08772	0.06003	2	No	16	0.07388	0.02128	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.074	0.06	2	No	16	0.06838	0.01332	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-37D	0.09975	0.08241	2	No	13	0.09108	0.01166	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-38D	0.1686	0.09774	2	No	13	0.1332	0.04763	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.07266	0.04534	2	No	13	0.059	0.01838	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05338	0.04031	2	No	13	0.04685	0.008792	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-41D	0.07097	0.05557	2	No	11	0.06327	0.009242	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.1144	0.0607	2	No	11	0.08755	0.03221	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.07363	0.05982	2	No	11	0.06673	0.008284	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.03225	0.01975	2	No	11	0.026	0.007497	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.08155	0.05778	2	No	9	0.06967	0.01231	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.06032	0.03368	2	No	9	0.047	0.01379	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.054	0.0057	2	No	11	0.02423	0.02282	0	None	No	0.006	NP (normality)
Barium (mg/L)	BGWC-52	0.084	0.019	2	No	11	0.04418	0.0293	0	None	No	0.006	NP (normality)
Barium (mg/L)	PZ-7	0.03331	0.01749	2	No	5	0.0254	0.004722	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	25	0.0004649	0.0001216	92	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.0005	0.00012	0.004	No	25	0.0002756	0.00018	36	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	25	0.0004118	0.00018	80	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.0001	0.004	No	25	0.0003648	0.0002015	68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0005	0.000088	0.004	No	25	0.0003637	0.000203	68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.0005	0.00011	0.004	No	25	0.0002687	0.0001934	40	None	No	0.01	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	25	0.0004822	0.0000892	96	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00022	0.004	No	26	0.0003501	0.0001617	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-36D	0.0005	0.00007	0.004	No	15	0.0004713	0.000111	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0005	0.000059	0.004	No	13	0.0003345	0.0002181	61.54	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-39	0.0005	0.000079	0.004	No	13	0.0004676	0.0001168	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0005	0.000072	0.004	No	11	0.0002886	0.0002058	45.45	None	No	0.006	NP (normality)
Beryllium (mg/L)	BGWC-52	0.0005	0.0005	0.004	No	11	0.0004593	0.0001351	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	PZ-7	0.0005	0.000064	0.004	No	5	0.000241	0.0002365	40	None	No	0.031	NP (normality)
Cadmium (mg/L)	BGWC-14A	0.00057	0.00019	0.005	No	18	0.0004028	0.0002015	33.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001888	0.001402	0.005	No	27	0.001674	0.0005481	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00016	0.005	No	27	0.0003026	0.0001632	37.04	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0005	0.00032	0.005	No	27	0.000439	0.0001637	59.26	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	27	0.0004593	0.0001185	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	27	0.0004844	0.00008083	96.3	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0009	0.00038	0.005	No	27	0.0005393	0.0003154	55.56	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	27	0.0004885	0.00005966	96.3	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.005096	0.002889	0.005	No	28	0.003992	0.002361	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0004	0.005	No	27	0.0004326	0.0001263	62.96	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00032	0.005	No	13	0.0004792	0.000142	69.23	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0005	0.00012	0.005	No	13	0.0003254	0.0001749	46.15	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-43D	0.000871	0.0002214	0.005	No	11	0.0005627	0.0004517	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0005	0.00043	0.005	No	11	0.0004882	0.00009185	63.64	None	No	0.006	NP (NDs)
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	11	0.0004191	0.0001397	72.73	None	No	0.006	NP (NDs)
Cadmium (mg/L)	PZ-7	0.0005	0.00015	0.005	No	5	0.00037	0.0001789	60	None	No	0.031	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	25	0.004484	0.001426	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0012	0.1	No	25	0.005192	0.01219	36	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	24	0.004754	0.000833	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	23	0.004822	0.0007348	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	25	0.004844	0.00078	96	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.0018	0.1	No	25	0.003977	0.001875	76	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	18	0.005967	0.005071	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	25	0.004704	0.001037	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	25	0.004633	0.00127	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	25	0.004488	0.001417	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0028	0.1	No	25	0.003977	0.001703	68	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	24	0.004705	0.001047	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	25	0.004312	0.001483	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	26	0.0045	0.001414	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	25	0.004884	0.00058	96	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.0009	0.1	No	25	0.002852	0.002116	48	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.0011	0.1	No	15	0.004153	0.001756	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00072	0.1	No	15	0.003827	0.001917	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.005	0.0011	0.1	No	15	0.004166	0.001729	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.0006	0.1	No	15	0.003849	0.001978	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	13	0.004335	0.001622	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.0031	0.1	No	13	0.004502	0.001334	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.001	0.1	No	13	0.004692	0.001109	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00058	0.1	No	13	0.003365	0.002158	53.85	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-41D	0.005	0.005	0.1	No	11	0.004607	0.001303	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.0011	0.1	No	11	0.004247	0.001678	81.82	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.005	0.1	No	11	0.004764	0.0007839	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00094	0.1	No	11	0.004034	0.001704	72.73	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	9	0.004523	0.00143	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.005	0.1	No	11	0.0046	0.001327	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.0013	0.1	No	11	0.003955	0.001803	72.73	None	No	0.006	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	BGWC-7	0.00094	0.00068	0.006	No	27	0.001677	0.001814	22.22	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	27	0.004322	0.001667	85.19	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	26	0.004467	0.001506	88.46	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.00054	0.006	No	24	0.003153	0.002237	58.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00047	0.006	No	27	0.003144	0.002282	59.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00045	0.006	No	27	0.002822	0.002306	51.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-14A	0.002213	0.001129	0.006	No	18	0.002734	0.001624	27.78	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	**BGWC-16**	**0.01207**	**0.008909**	**0.006**	**Yes**	**11**	**0.01049**	**0.001899**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	27	0.00482	0.0009334	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	27	0.004179	0.001759	81.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.00052	0.006	No	27	0.004652	0.001257	92.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	27	0.004324	0.001655	85.19	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.00064	0.006	No	26	0.003133	0.002461	34.62	None	No	0.01	NP (normality)
Cobalt (mg/L)	**BGWC-22**	**0.02539**	**0.01667**	**0.006**	**Yes**	**30**	**0.02103**	**0.009695**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	29	0.003777	0.002025	72.41	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.003801	0.002765	0.006	No	30	0.003283	0.001152	10	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	27	0.00466	0.001226	92.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.001	0.006	No	29	0.00359	0.001995	65.52	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00041	0.006	No	16	0.003302	0.002265	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-32	0.006567	0.002783	0.006	No	18	0.004675	0.003128	5.556	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.001596	0.0007491	0.006	No	16	0.001172	0.0006508	12.5	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.002756	0.001197	0.006	No	16	0.002074	0.001316	6.25	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00057	0.006	No	16	0.003376	0.002171	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-37D	0.005	0.0007	0.006	No	13	0.002903	0.002047	46.15	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-38D	0.004083	0.001461	0.006	No	14	0.003307	0.003437	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.0033	0.006	No	14	0.004241	0.001632	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.00061	0.00034	0.006	No	13	0.001176	0.001699	15.38	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-41D	0.005	0.00044	0.006	No	11	0.001742	0.002095	27.27	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.004557	0.00221	0.006	No	12	0.003383	0.001496	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.0025	0.00065	0.006	No	9	0.00108	0.0005478	11.11	None	No	0.002	NP (normality)
Cobalt (mg/L)	BGWC-50D	0.001591	0.0004217	0.006	No	9	0.001002	0.0006895	11.11	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.003818	0.0009514	0.006	No	11	0.002385	0.00172	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.622	1.249	5	No	27	1.436	0.3904	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7771	0.4477	5	No	27	0.6124	0.3452	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9259	0.5106	5	No	26	0.765	0.4889	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7216	0.3907	5	No	24	0.5562	0.3242	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.404	1.008	5	No	27	1.233	0.4547	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7111	0.385	5	No	27	0.548	0.3418	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.145	0.5323	5	No	18	0.8389	0.5068	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.173	0.7627	5	No	27	0.9679	0.4302	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8483	0.5123	5	No	27	0.6803	0.3522	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.02	0.6316	5	No	27	0.8632	0.4595	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.092	0.6903	5	No	27	0.8914	0.4215	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.33	0.8768	5	No	27	1.103	0.4751	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8128	0.4959	5	No	26	0.6543	0.3251	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.72	1.96	5	No	27	2.34	0.7963	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.72	1.082	5	No	27	1.401	0.6684	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.05	1.731	5	No	27	2.803	2.476	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.8822	0.5318	5	No	27	0.707	0.3673	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	1.954	1.072	5	No	26	1.513	0.9046	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.673	1.092	5	No	16	1.382	0.4462	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	1.879	1.194	5	No	16	1.536	0.5266	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.699	1.887	5	No	16	2.293	0.6237	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	2.933	2.141	5	No	16	2.537	0.6091	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.004	1.197	5	No	16	1.6	0.6203	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 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-37D	2.974	2.201	5	No	13	2.588	0.5198	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	4.927	3.022	5	No	13	3.975	1.281	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.319	0.5618	5	No	13	0.9405	0.5093	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	0.9042	0.4322	5	No	13	0.6682	0.3174	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	2.08	1.097	5	No	11	1.588	0.5897	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.033	0.489	5	No	11	0.7724	0.3576	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	1.724	1.17	5	No	11	1.447	0.3324	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.287	0.5496	5	No	11	0.9181	0.4422	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.09	1.939	5	No	9	2.514	0.5961	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.31	0.7683	5	No	9	1.039	0.2806	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7261	0.3851	5	No	11	0.5556	0.2046	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.182	0.3461	5	No	11	0.764	0.5015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7	2.172	0.02984	5	No	4	1.101	0.4718	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1761	0.1301	4	No	28	0.1531	0.04916	3.571	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.064	4	No	28	0.07732	0.02799	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-9	0.2	0.086	4	No	27	0.1653	0.1345	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWA-6	0.1	0.065	4	No	25	0.08424	0.02613	60	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.09982	0.05664	4	No	28	0.1008	0.06502	32.14	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.1	0.08	4	No	28	0.1009	0.05634	35.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.065	4	No	18	0.08378	0.01749	44.44	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-16	0.1216	0.0622	4	No	28	0.1273	0.103	21.43	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.17	0.12	4	No	28	0.1803	0.1273	3.571	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.1	0.074	4	No	28	0.1168	0.09127	32.14	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.1	0.071	4	No	28	0.1108	0.1016	32.14	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.064	4	No	28	0.1098	0.1212	39.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.08	4	No	27	0.08652	0.02414	59.26	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.33	0.23	4	No	31	0.3523	0.2622	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	30	0.1513	0.1938	23.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	0.65	0.097	4	No	31	0.6821	1.01	6.452	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.08537	0.05534	4	No	28	0.08893	0.02993	46.43	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.17	0.087	4	No	30	0.187	0.1888	16.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-31	0.1	0.055	4	No	16	0.09413	0.01607	87.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-32	0.51	0.13	4	No	18	0.2776	0.3139	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.053	4	No	16	0.08263	0.02392	62.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.23	0.13	4	No	16	0.2181	0.1897	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.15	0.11	4	No	16	0.1529	0.085	6.25	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.43	0.14	4	No	13	0.2469	0.132	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-38D	0.5833	0.3052	4	No	14	0.4443	0.1963	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1328	0.0779	4	No	14	0.1054	0.03876	7.143	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09251	0.06832	4	No	14	0.08543	0.01862	21.43	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.09448	0.07195	4	No	12	0.08725	0.01442	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6267	0.4702	4	No	13	0.5485	0.1053	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.041	0.8481	4	No	14	0.9443	0.1359	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.16	0.088	4	No	12	0.1267	0.0543	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-49D	0.08406	0.06036	4	No	9	0.08344	0.01646	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1456	0.07287	4	No	9	0.1092	0.03766	11.11	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1687	0.1097	4	No	11	0.1392	0.03541	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1326	0.09082	4	No	11	0.1117	0.02509	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-7	0.07364	0.05169	4	No	5	0.0776	0.02122	40	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	25	0.0008676	0.0003112	84	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.0001	0.015	No	24	0.0006778	0.0004329	62.5	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	23	0.0008413	0.000354	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	25	0.0009332	0.0002313	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.0003	0.015	No	25	0.0007459	0.0003912	68	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.00011	0.015	No	18	0.0007945	0.0003957	77.78	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-16	0.001	0.0002	0.015	No	25	0.0006308	0.0004036	52	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	25	0.0009632	0.0001842	96	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0002	0.015	No	25	0.0007508	0.0004083	72	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	25	0.0009127	0.0002556	88	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	25	0.0009273	0.0002516	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000087	0.015	No	24	0.0007285	0.0004322	70.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	25	0.0007934	0.000378	76	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	25	0.000938	0.000216	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	26	0.0008049	0.0003756	76.92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0005	0.015	No	25	0.000761	0.0003743	68	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00017	0.015	No	25	0.0006384	0.0004198	56	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-31	0.000628	0.0002352	0.015	No	15	0.0006417	0.000381	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	15	0.0008788	0.0003199	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.000054	0.015	No	15	0.0009369	0.0002443	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00018	0.015	No	15	0.0006806	0.00041	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-36D	0.001	0.00017	0.015	No	15	0.000728	0.0003702	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-37D	0.001	0.000082	0.015	No	13	0.0006688	0.000439	61.54	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	13	0.0007515	0.0003888	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.0001	0.015	No	13	0.0009308	0.0002496	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00017	0.015	No	13	0.0006823	0.0004189	61.54	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-41D	0.001	0.001	0.015	No	11	0.0009124	0.0002907	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000044	0.015	No	11	0.0008259	0.0003873	81.82	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.001	0.015	No	11	0.00092	0.0002653	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.001	0.015	No	11	0.0009245	0.0002503	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	9	0.0008938	0.0003187	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	9	0.0009044	0.0002867	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00016	0.015	No	11	0.0007755	0.000385	72.73	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.0001	0.015	No	11	0.0007513	0.0004262	72.73	None	No	0.006	NP (NDs)
Lithium (mg/L)	BGWC-7	0.0092	0.0066	0.04	No	27	0.008574	0.003537	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	27	0.02893	0.005581	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.002	0.0013	0.04	No	26	0.01024	0.01344	30.77	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	24	0.02878	0.005956	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.0011	0.04	No	27	0.01206	0.01406	37.04	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	27	0.014	0.01459	44.44	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00091	0.04	No	18	0.0124	0.01445	38.89	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00112	0.04	No	27	0.02784	0.007792	92.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	27	0.02891	0.005641	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.08406	0.03336	0.04	No	10	0.05871	0.02842	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02723	0.01843	0.04	No	27	0.02283	0.009219	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02458	0.01497	0.04	No	27	0.01977	0.01007	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0078	0.0057	0.04	No	28	0.007377	0.002935	10.71	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0169	0.0014	0.04	No	27	0.009006	0.007641	14.81	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	16	0.02453	0.01176	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01912	0.01219	0.04	No	16	0.01566	0.005327	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0012	0.04	No	16	0.003505	0.004565	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-37D	0.025	0.0025	0.04	No	12	0.009882	0.01269	0	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-38D	0.01371	0.004653	0.04	No	12	0.009183	0.005774	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005123	0.003206	0.04	No	13	0.004165	0.001289	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00084	0.04	No	12	0.02029	0.01434	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-41D	0.002184	0.001478	0.04	No	10	0.001831	0.0003954	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-42D	0.03	0.0014	0.04	No	10	0.007413	0.01191	20	None	No	0.011	NP (normality)
Lithium (mg/L)	BGWC-43D	0.02644	0.01851	0.04	No	11	0.02247	0.00476	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.005062	0.002683	0.04	No	11	0.003873	0.001428	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.00831	0.004799	0.04	No	9	0.006554	0.001819	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0015	0.04	No	9	0.01745	0.01488	55.56	None	No	0.002	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	BGWC-51	0.03	0.0015	0.04	No	11	0.0198	0.01416	63.64	None	No	0.006	NP (NDs)
Lithium (mg/L)	BGWC-52	0.03	0.00105	0.04	No	11	0.009966	0.01291	27.27	None	No	0.006	NP (normality)
Lithium (mg/L)	PZ-7	0.03	0.000796	0.04	No	5	0.02416	0.01306	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	25	0.0001941	0.0000294	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	25	0.0001943	0.00002179	92	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	24	0.0001904	0.00002851	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	23	0.000195	0.00002419	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	25	0.0001891	0.00003567	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	25	0.0001875	0.00003604	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	18	0.000195	0.00001465	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	25	0.0001939	0.00002234	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002233	0.0001475	0.002	No	25	0.0002152	0.00006808	16	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	25	0.0001952	0.0000242	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	25	0.0001884	0.0000376	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	25	0.0001946	0.0000268	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	24	0.0002004	0.000002041	95.83	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	25	0.0001894	0.00003753	92	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00013	0.002	No	25	0.000185	0.00004382	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009518	0.0001971	0.002	No	26	0.001023	0.001357	15.38	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	25	0.0001919	0.00003179	92	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.0001	0.002	No	25	0.0001604	0.00006033	68	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	15	0.0001927	0.00001944	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	15	0.0001933	0.00001799	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	15	0.0001933	0.00001799	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.00018	0.002	No	15	0.000196	0.00001121	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.00012	0.002	No	13	0.0002208	0.0001133	69.23	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-39	0.0002	0.00015	0.002	No	14	0.0001964	0.00001336	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-41D	0.0002	0.0002	0.002	No	11	0.0001982	0.00000603	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-43D	0.0002	0.0002	0.002	No	11	0.0001955	0.00001508	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.0002	0.002	No	11	0.0001973	0.000009045	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0033	0.0002	0.002	No	11	0.001156	0.001536	36.36	None	No	0.006	NP (normality)
Mercury (mg/L)	BGWC-52	0.0002	0.00019	0.002	No	11	0.0001973	0.000006467	81.82	None	No	0.006	NP (NDs)
Mercury (mg/L)	PZ-7	0.0009941	0	0.002	No	5	0.000504	0.0003213	20	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	BGWC-7	0.011	0.0098	0.1	No	27	0.01037	0.00231	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.01	0.0013	0.1	No	27	0.005018	0.004058	37.04	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-9	0.003387	0.002659	0.1	No	26	0.003023	0.0007464	3.846	None	No	0.01	Param.
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	24	0.008829	0.003167	87.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.00365	0.002949	0.1	No	27	0.003367	0.0008629	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-14A	0.0045	0.0013	0.1	No	18	0.003558	0.00362	22.22	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	27	0.009638	0.00188	96.3	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.026	0.013	0.1	No	27	0.02396	0.01717	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002912	0.001812	0.1	No	26	0.004177	0.003091	19.23	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.05384	0.04194	0.1	No	30	0.04936	0.01412	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-23	0.0123	0.01036	0.1	No	29	0.01083	0.002701	0	None	x^3	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0026	0.1	No	30	0.006755	0.003921	56.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-25	0.01	0.0039	0.1	No	27	0.007906	0.003396	70.37	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01044	0.004908	0.1	No	29	0.008955	0.006793	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	16	0.009396	0.002417	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.00407	0.003401	0.1	No	17	0.003735	0.0005338	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.00094	0.1	No	16	0.001581	0.001364	12.5	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03561	0.02922	0.1	No	17	0.03241	0.0051	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01254	0.008427	0.1	No	17	0.01048	0.003281	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02037	0.0112	0.1	No	14	0.01621	0.007796	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1132	0.07237	0.1	No	15	0.0928	0.03015	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.006789	0.003411	0.1	No	13	0.0051	0.002272	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Molybdenum (mg/L)	BGWC-40	0.01	0.0012	0.1	No	13	0.007945	0.003907	76.92	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.01153	0.00722	0.1	No	12	0.009375	0.002746	8.333	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01573	0.007211	0.1	No	13	0.01147	0.005727	0	None	No	0.01	Param.
Molybdenum (mg/L)	**BGWC-43D**	**0.1905**	**0.1338**	**0.1**	**Yes**	**14**	**0.1621**	**0.04003**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	BGWC-44D	0.007271	0.001646	0.1	No	12	0.005617	0.004141	16.67	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.006586	0.004637	0.1	No	9	0.005611	0.001009	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.005063	0.00227	0.1	No	9	0.003667	0.001447	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.01	0.1	No	11	0.009336	0.002201	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.005539	0.003347	0.1	No	11	0.004509	0.001611	0	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	25	0.004608	0.001357	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	24	0.002963	0.00194	45.83	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	23	0.004718	0.001031	91.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	25	0.004816	0.00092	96	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	18	0.0048	0.0008485	94.44	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	25	0.003468	0.00163	48	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	25	0.004387	0.00146	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0024	0.05	No	25	0.004476	0.001249	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	25	0.004344	0.001542	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	25	0.004828	0.0006439	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	24	0.00463	0.00126	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.005	0.0026	0.05	No	25	0.004516	0.002092	72	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.005	0.002	0.05	No	25	0.00512	0.002808	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.006209	0.0034	0.05	No	26	0.0057	0.005375	11.54	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.00907	0.005418	0.05	No	25	0.007244	0.003664	8	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.00008	0.05	No	15	0.004672	0.00127	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.00015	0.05	No	15	0.004677	0.001252	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.0001	0.05	No	15	0.004673	0.001265	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-35D	0.005	0.0034	0.05	No	15	0.004893	0.0004131	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01277	0.007667	0.05	No	15	0.01022	0.003768	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	13	0.004438	0.0009717	53.85	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	13	0.004538	0.001127	84.62	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-40	0.009182	0.005464	0.05	No	13	0.007323	0.0025	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	11	0.003764	0.001715	63.64	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0027	0.05	No	11	0.004536	0.001038	81.82	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0019	0.05	No	11	0.0042	0.001538	63.64	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-49D	0.005	0.0015	0.05	No	9	0.004611	0.001167	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01135	0.004619	0.05	No	11	0.007982	0.004036	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	11	0.003655	0.001562	45.45	None	No	0.006	NP (normality)
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	27	0.0006823	0.0004077	59.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	26	0.0008402	0.0003349	80.77	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.00007	0.002	No	24	0.0006219	0.0004583	58.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	27	0.000829	0.0003656	81.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.000536	0.0003128	0.002	No	18	0.0004244	0.0001845	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00025	0.0002	0.002	No	27	0.0002474	0.0000794	7.407	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.00009	0.002	No	27	0.0006689	0.0004415	62.96	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.00019	0.002	No	27	0.0008663	0.0003275	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.00021	0.002	No	27	0.0007657	0.0004042	74.07	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	27	0.0009141	0.0002478	88.89	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008602	0.0006561	0.002	No	27	0.0007581	0.0002138	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00039	0.002	No	27	0.0007507	0.0003502	62.96	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005187	0.0003629	0.002	No	28	0.0005596	0.0002525	17.86	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.001	0.00034	0.002	No	27	0.0006776	0.0003285	37.04	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-32	0.001	0.00014	0.002	No	16	0.0005896	0.0004312	50	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.000089	0.002	No	16	0.0009431	0.0002278	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00022	0.002	No	16	0.0007943	0.0003699	75	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	BGWC-36D	0.001	0.00018	0.002	No	16	0.0004069	0.0003581	25	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-37D	0.001	0.00048	0.002	No	13	0.00096	0.0001442	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-38D	0.0013	0.00018	0.002	No	13	0.0009682	0.0006372	53.85	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-39	0.001	0.00017	0.002	No	13	0.0006308	0.0004165	53.85	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-40	0.001	0.00014	0.002	No	13	0.0009338	0.0002385	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003264	0.001653	0.002	No	12	0.002492	0.001136	0	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0004	0.002	No	11	0.0008727	0.0002867	81.82	None	No	0.006	NP (NDs)
Thallium (mg/L)	BGWC-52	0.001	0.00023	0.002	No	11	0.0006255	0.0003659	45.45	None	No	0.006	NP (normality)
Thallium (mg/L)	PZ-7	0.001	0.0002	0.002	No	5	0.000724	0.0003858	60	None	No	0.031	NP (NDs)

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.001025**	**271**	**96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.005429**	**179**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - Truncated Record - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.0007671**	**35**	**27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.01762**	**29**	**23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.001025**	**271**	**96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.003066**	**208**	**112**	**Yes**	**30**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

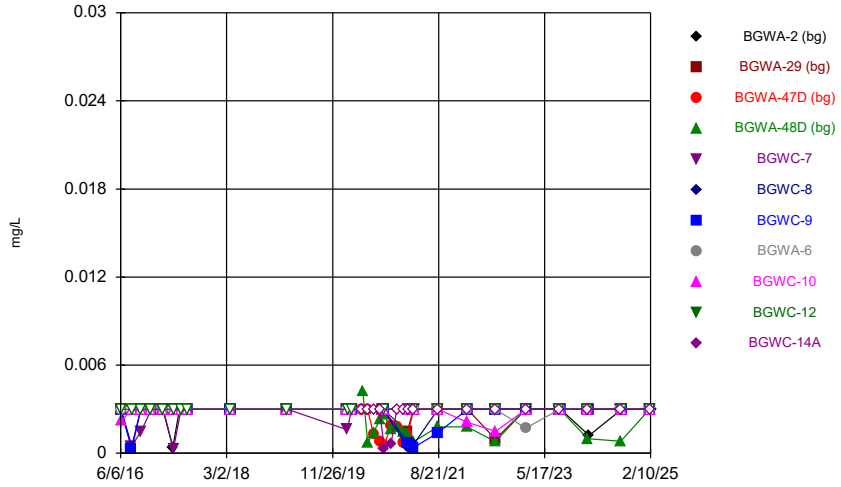
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	79	96	No	27	55.56	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	45	96	No	27	62.96	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	30	53	No	18	77.78	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0	0	53	No	18	38.89	n/a	0.05	NP
Arsenic (mg/L)	BGWC-34D	-0.0002946	-33	-53	No	18	0	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	26	101	No	28	89.29	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	15	53	No	18	94.44	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	21	53	No	18	88.89	n/a	0.05	NP
Cobalt (mg/L)	**BGWC-16**	**0.001025**	**271**	**96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.003066**	**208**	**112**	**Yes**	**30**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BGWA-2 (bg)	0	82	101	No	28	57.14	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	2	96	No	27	96.3	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	17	53	No	18	94.44	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.0001203	-4	-53	No	18	0	n/a	0.05	NP
Molybdenum (mg/L)	BGWC-43D	-0.006506	-17	-37	No	14	0	n/a	0.05	NP

FIGURE A.

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Hollow symbols indicate censored values.

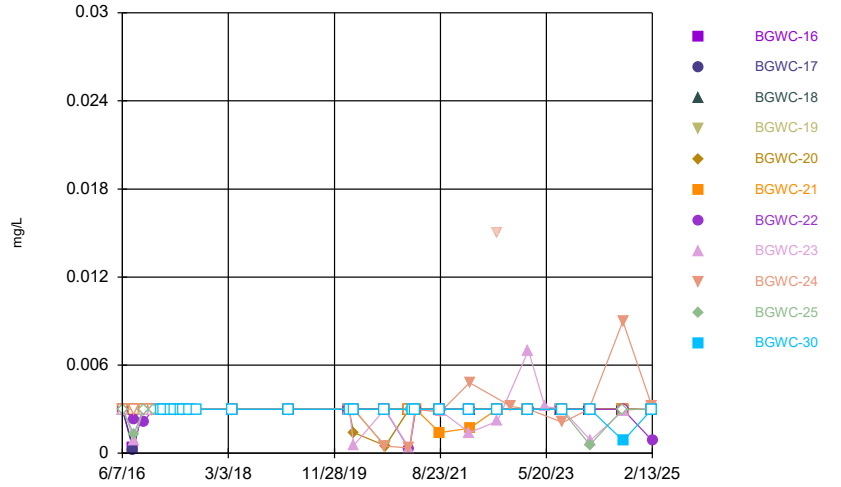
Time Series



Constituent: Antimony Analysis Run 6/3/2025 11:29 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

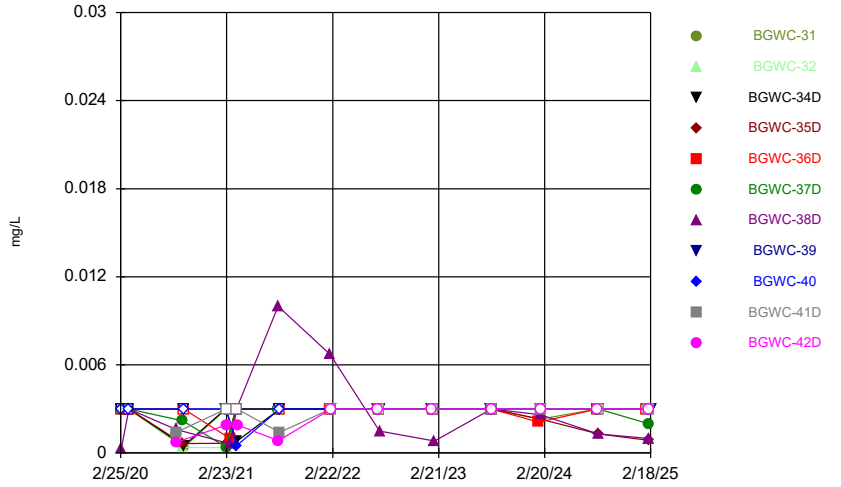
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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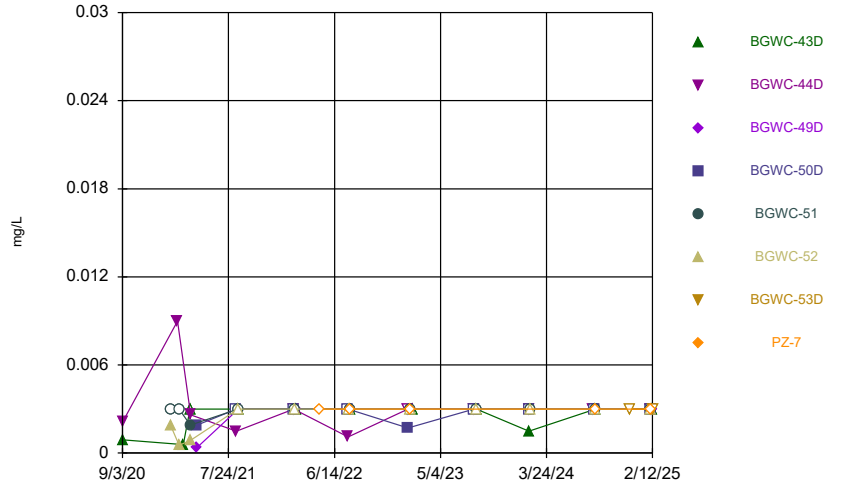
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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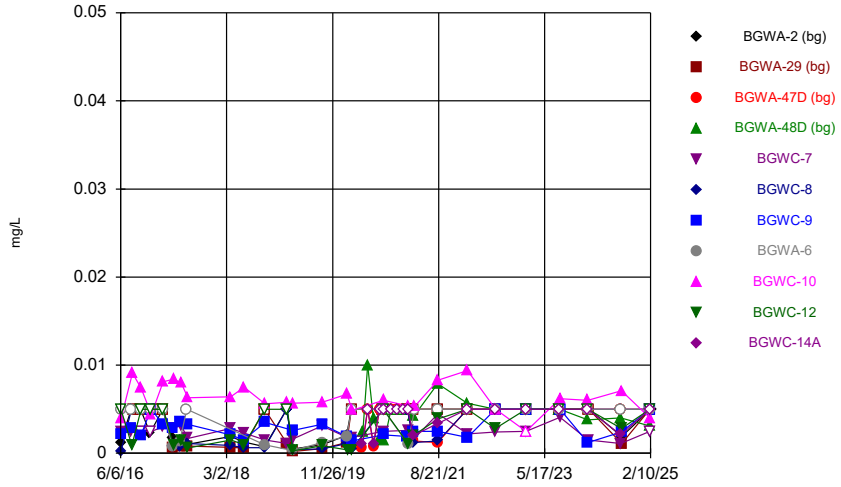
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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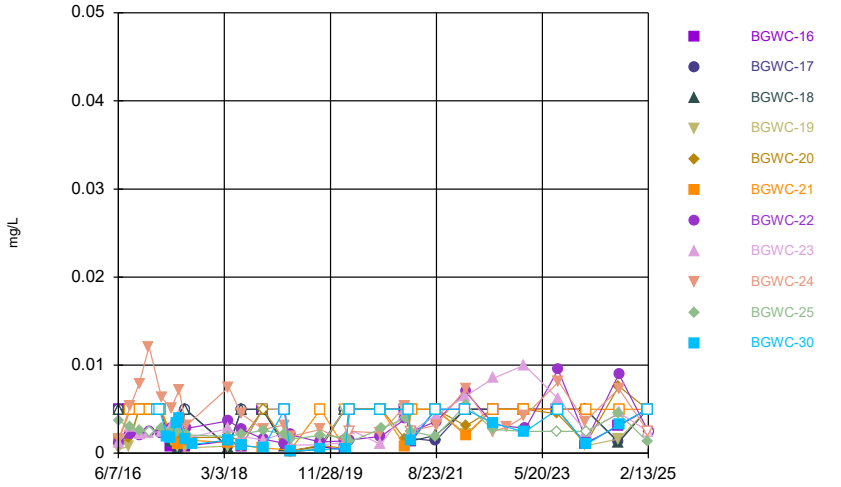
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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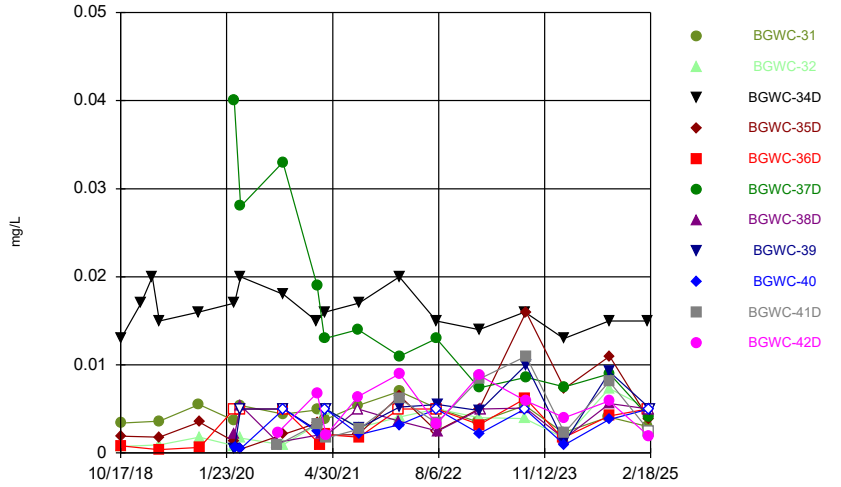
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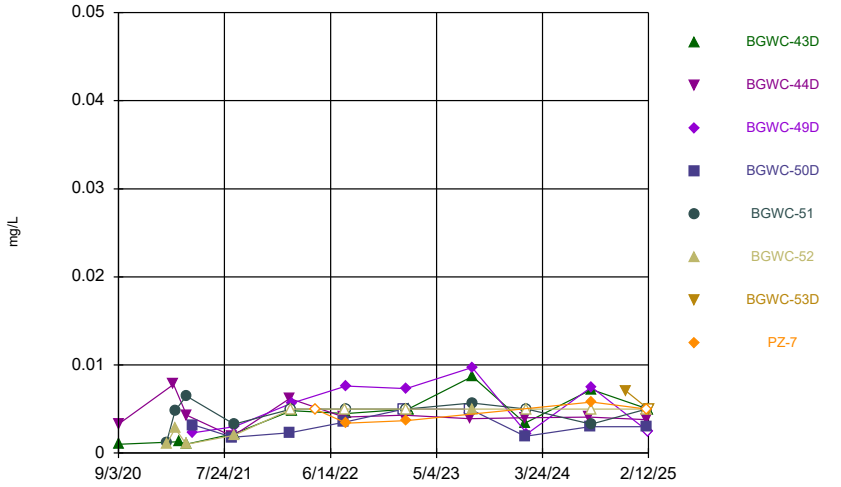
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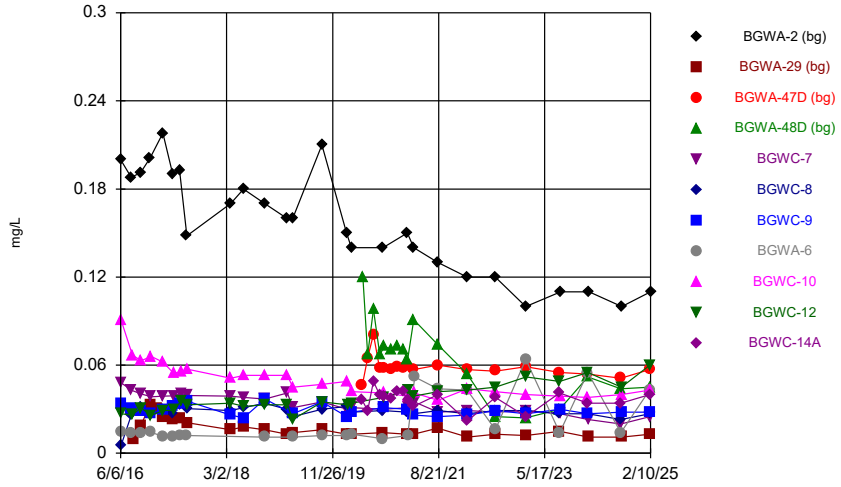
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Time Series

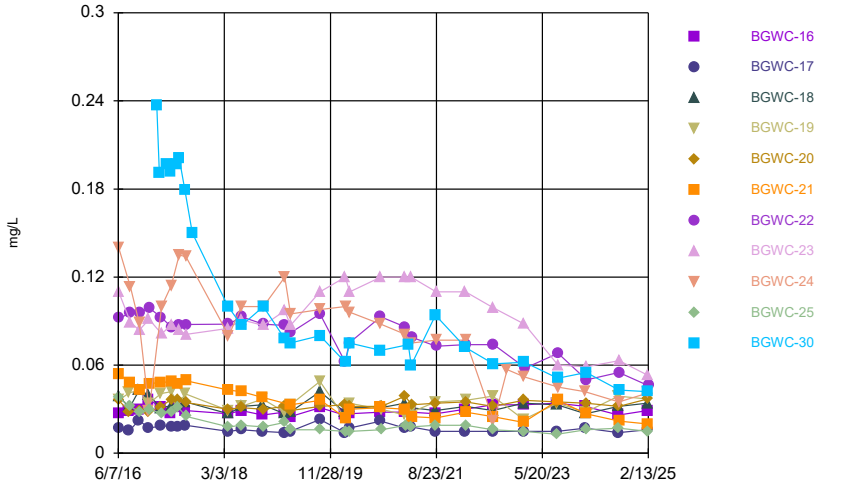


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Time Series

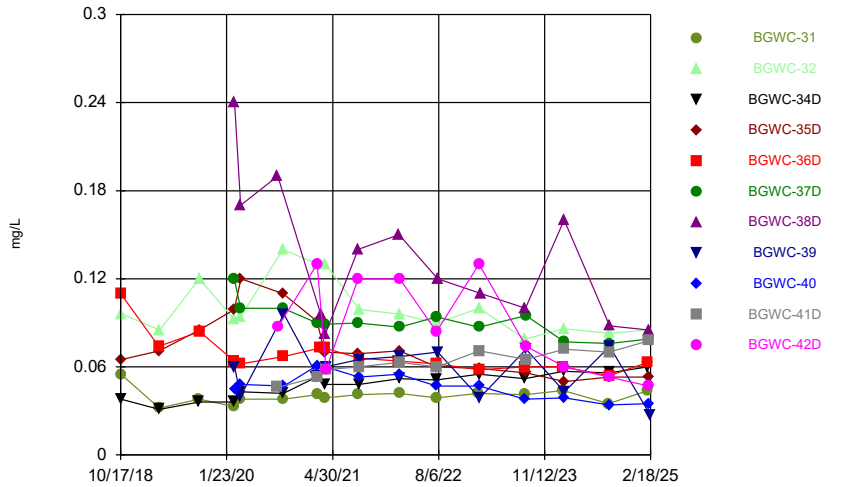


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Time Series

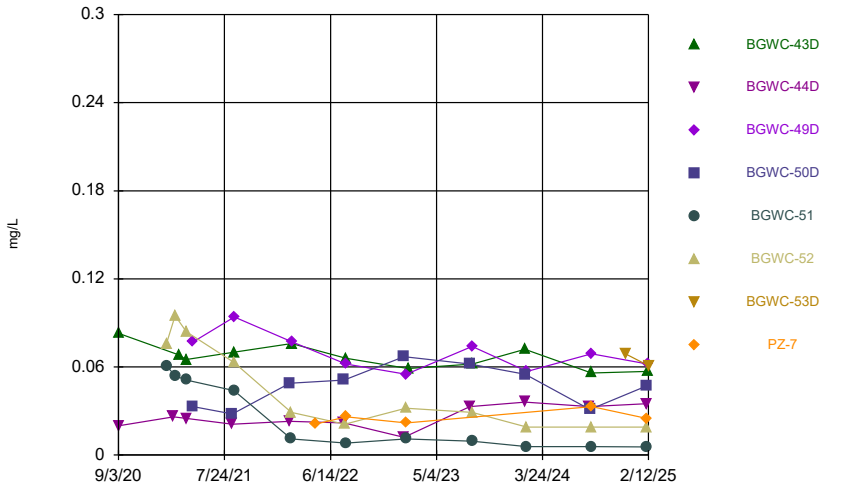


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Time Series

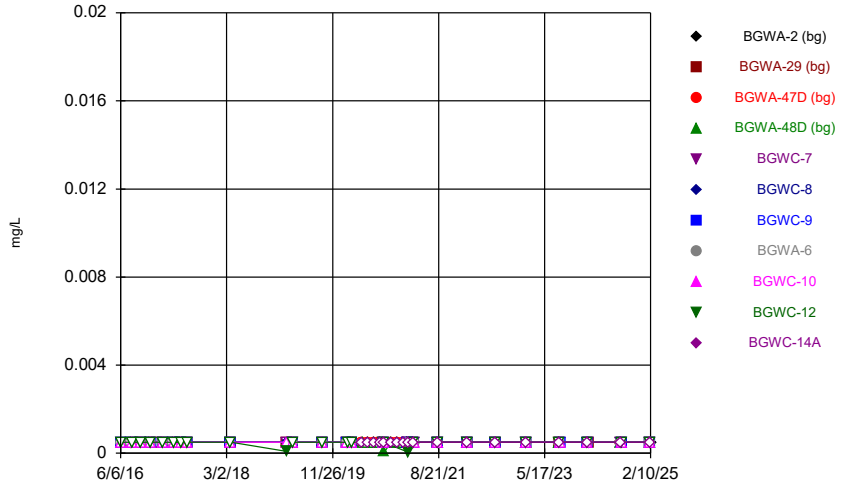


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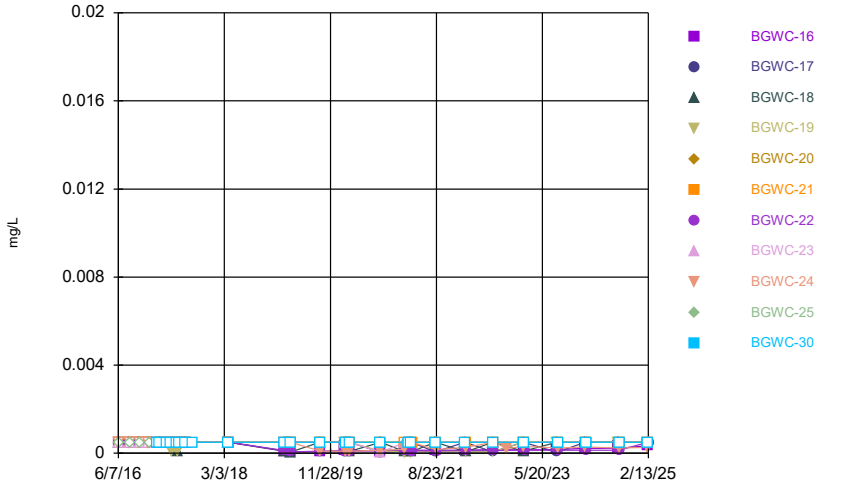
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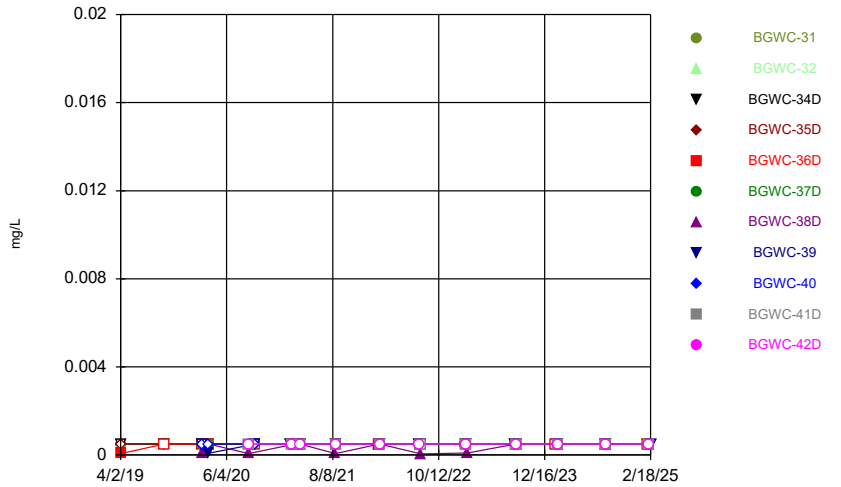
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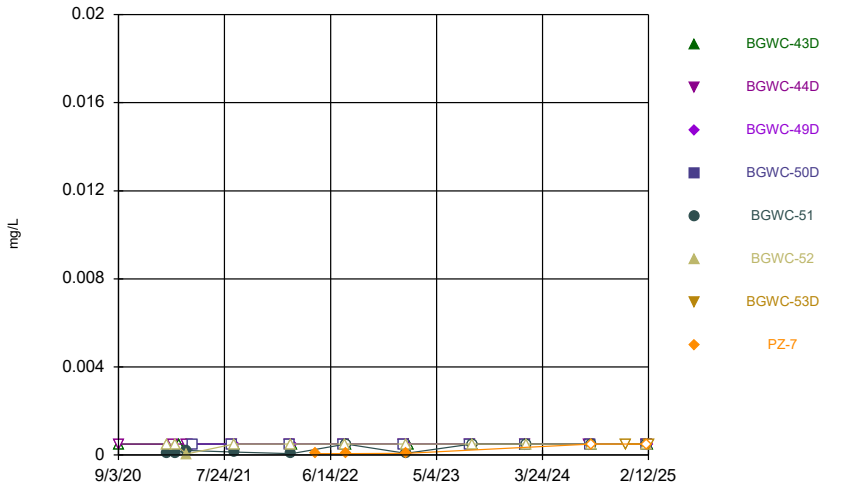
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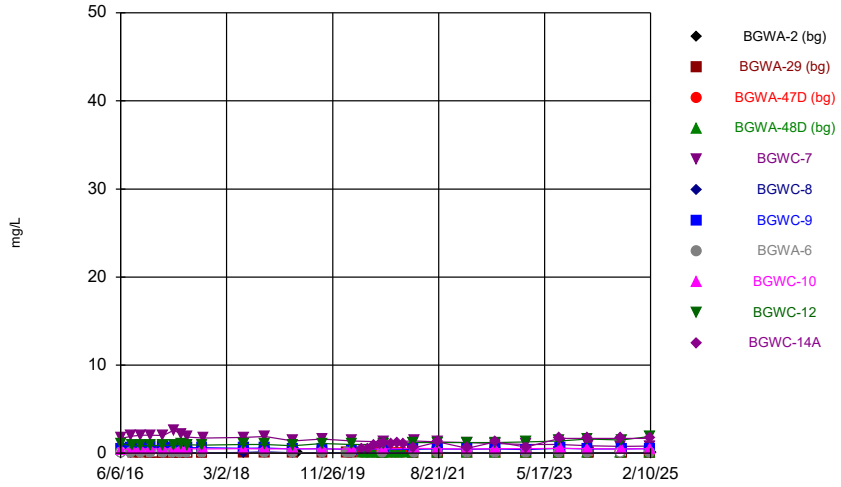
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

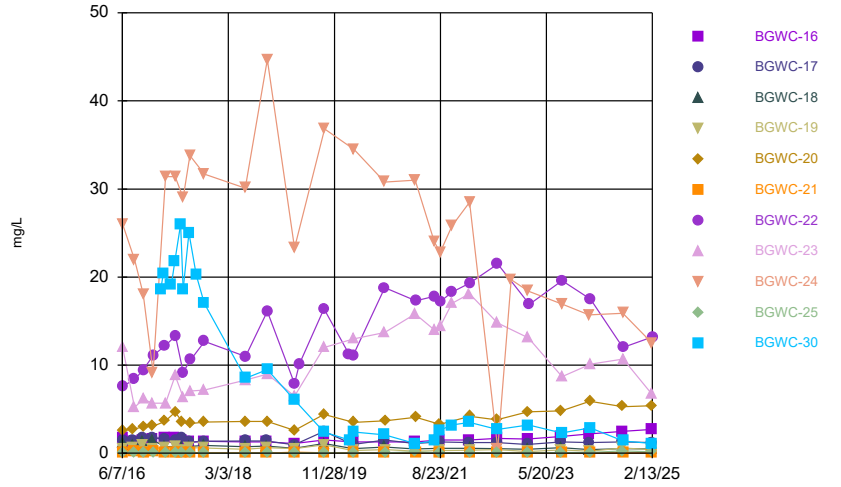
Time Series



Constituent: Boron Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

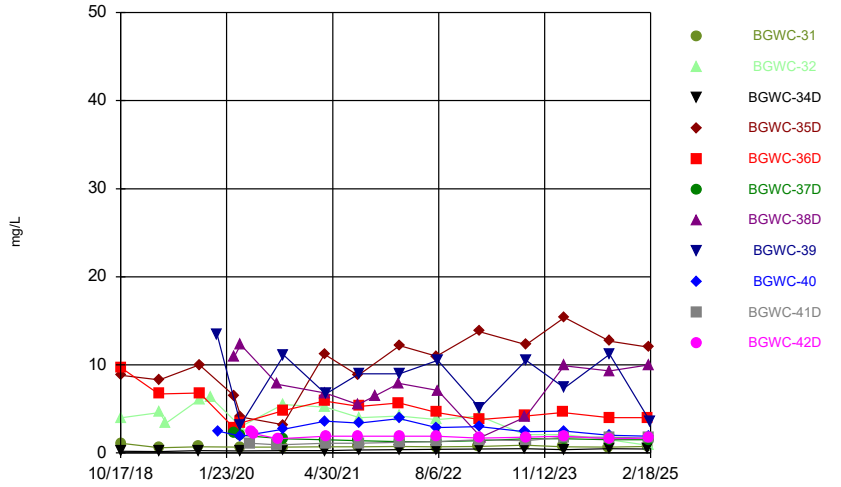
Time Series



Constituent: Boron Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

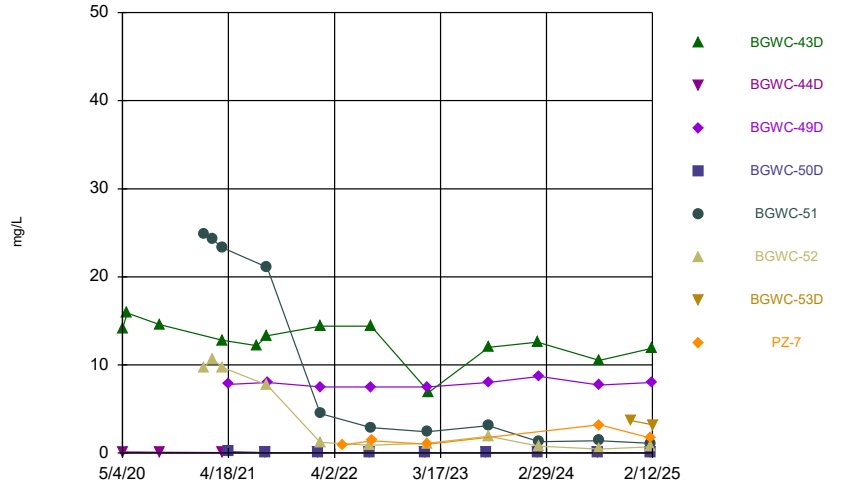
Time Series



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

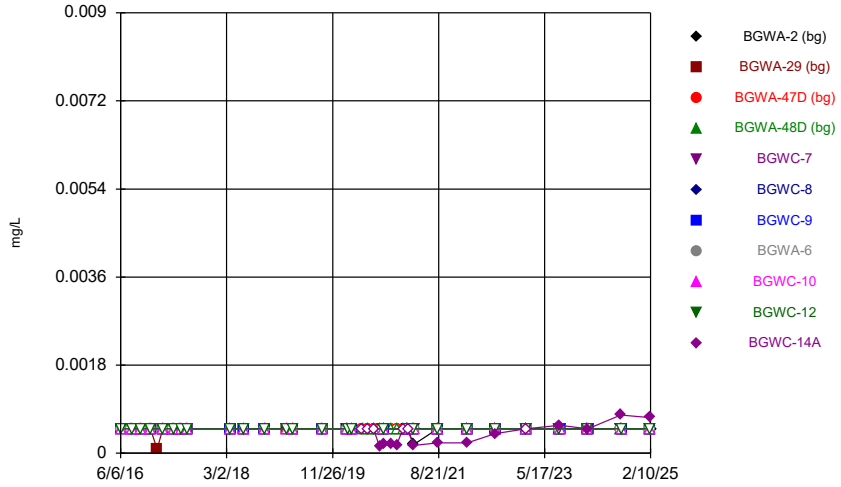
Time Series



Constituent: Boron Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

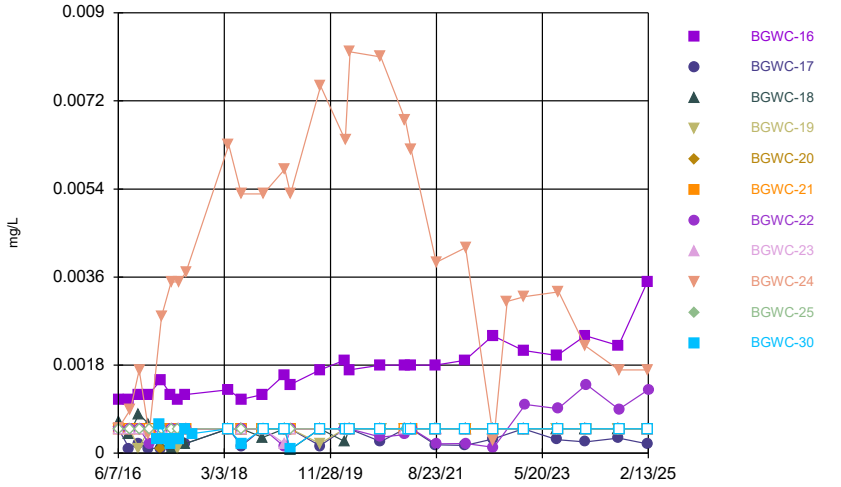
Time Series



Constituent: Cadmium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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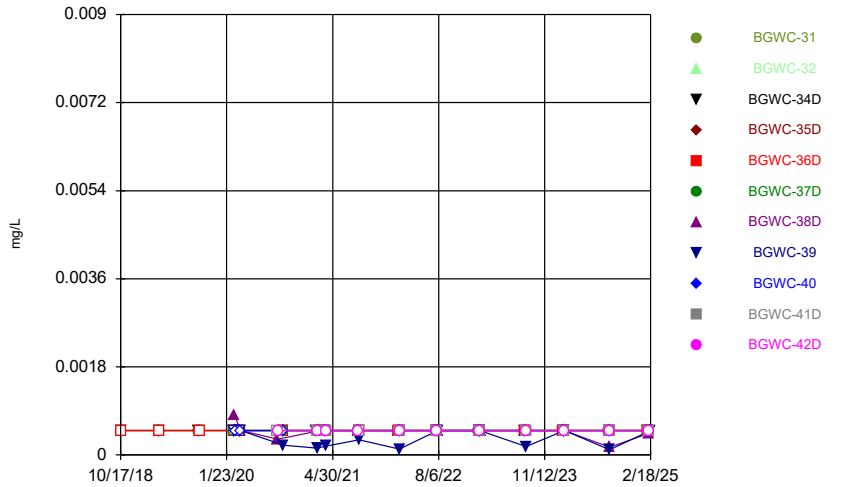
Time Series



Constituent: Cadmium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

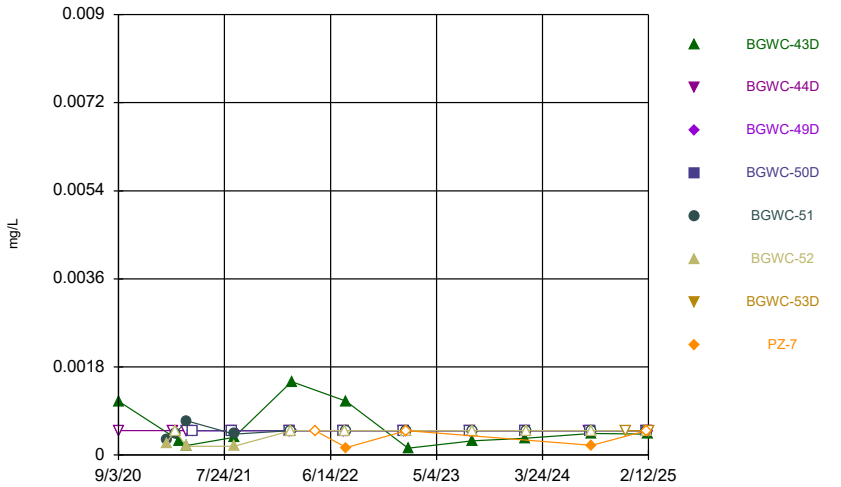
Time Series



Constituent: Cadmium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

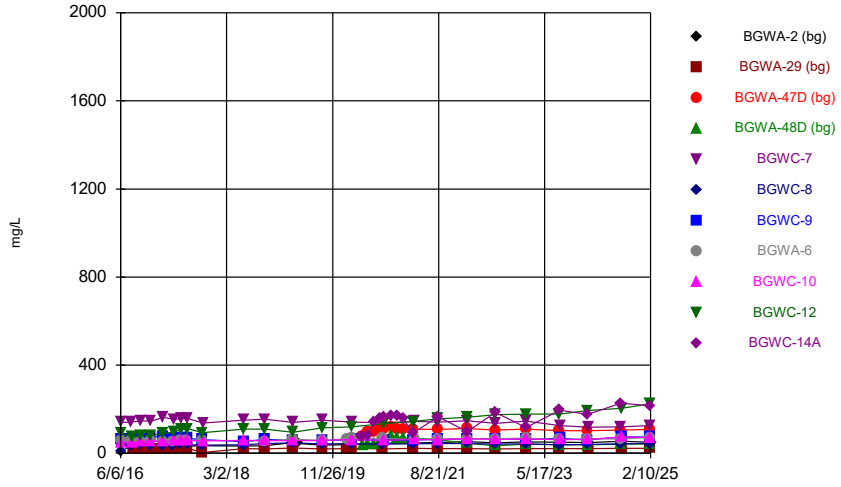
Time Series



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

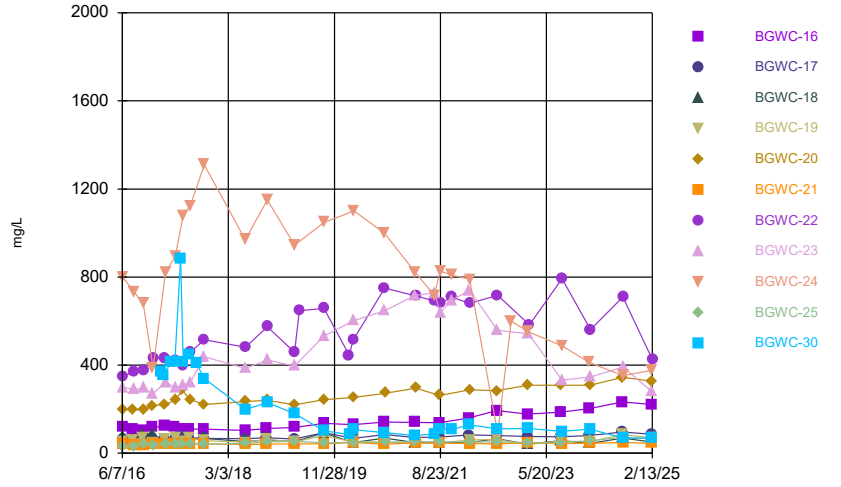
Time Series



Constituent: Calcium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

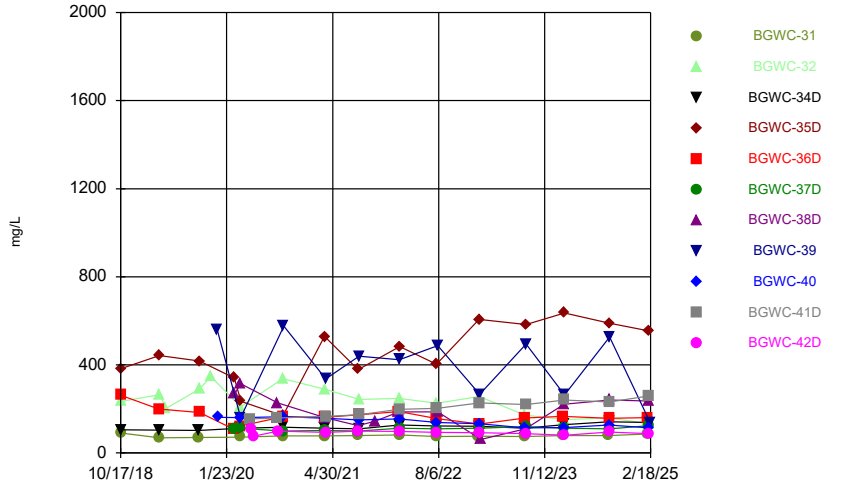
Time Series



Constituent: Calcium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

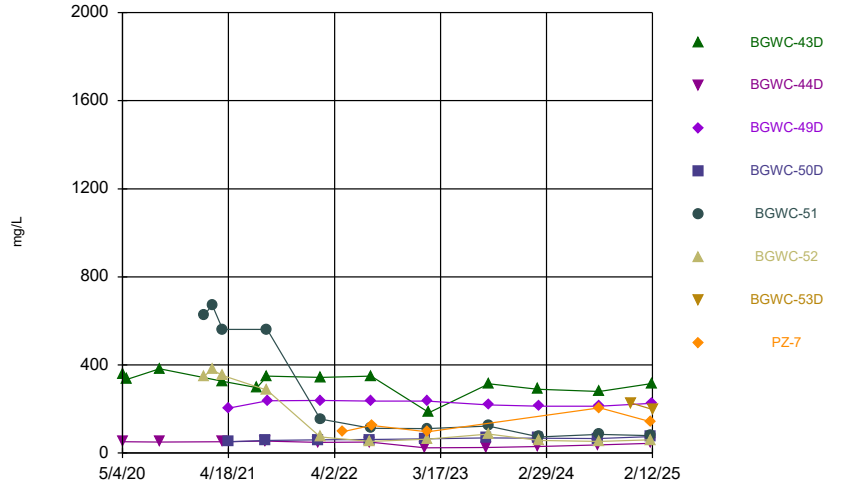
Time Series



Constituent: Calcium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

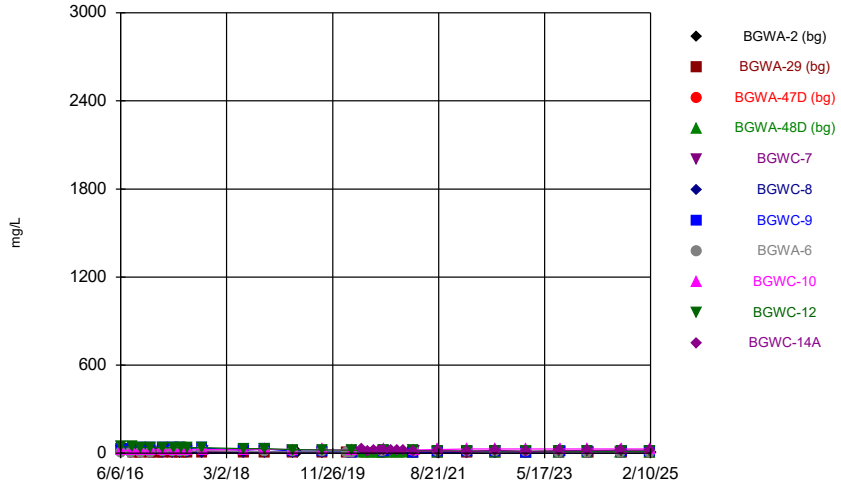
Time Series



Constituent: Calcium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series



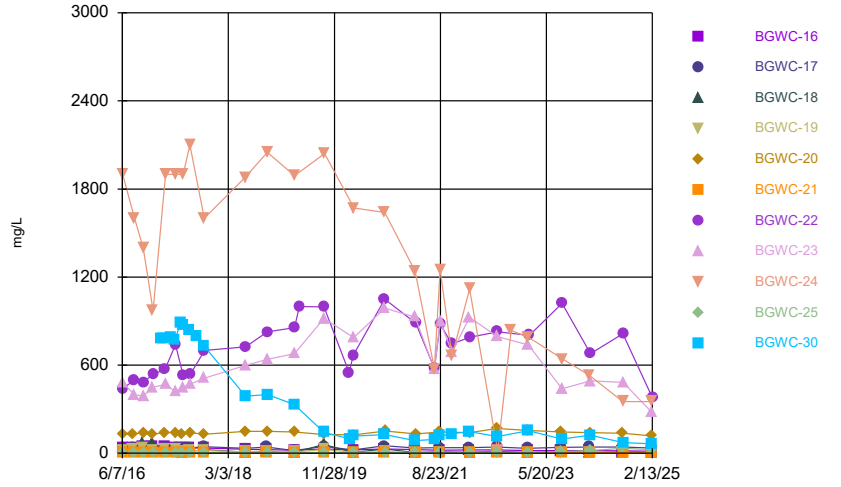
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

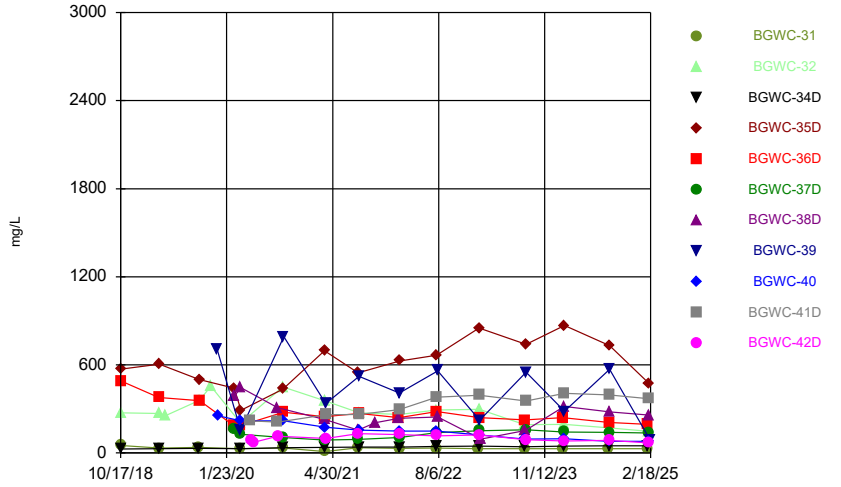


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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

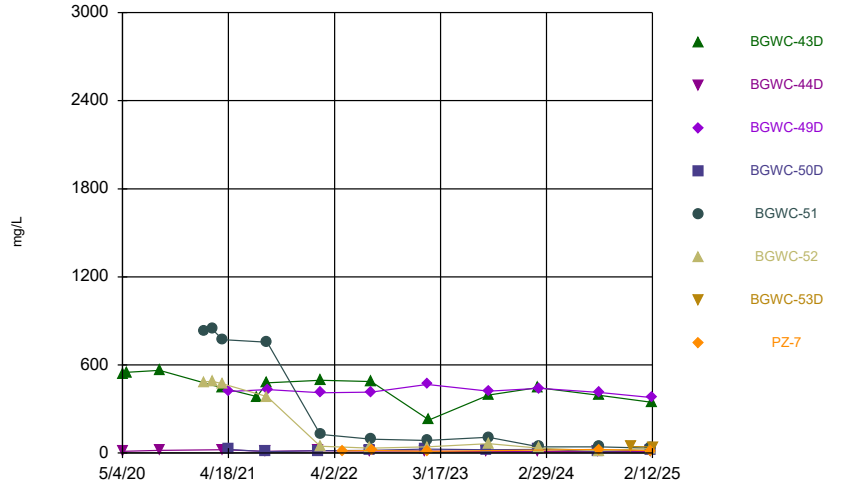


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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

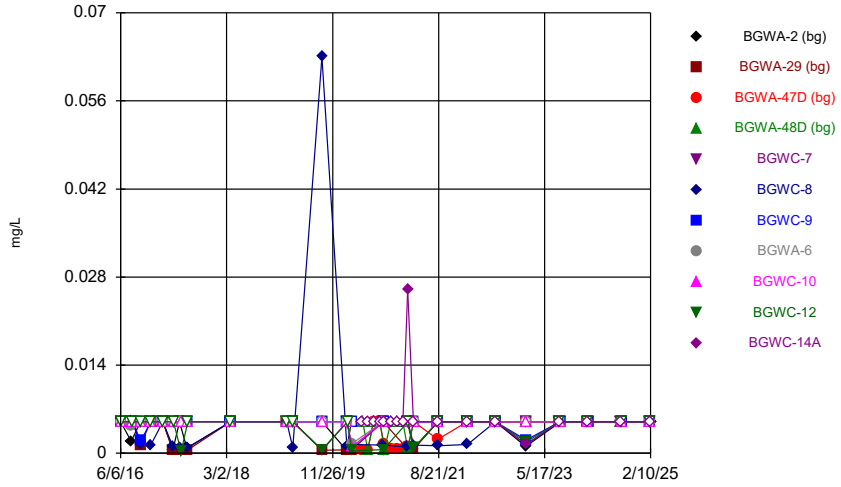


Constituent: Chloride Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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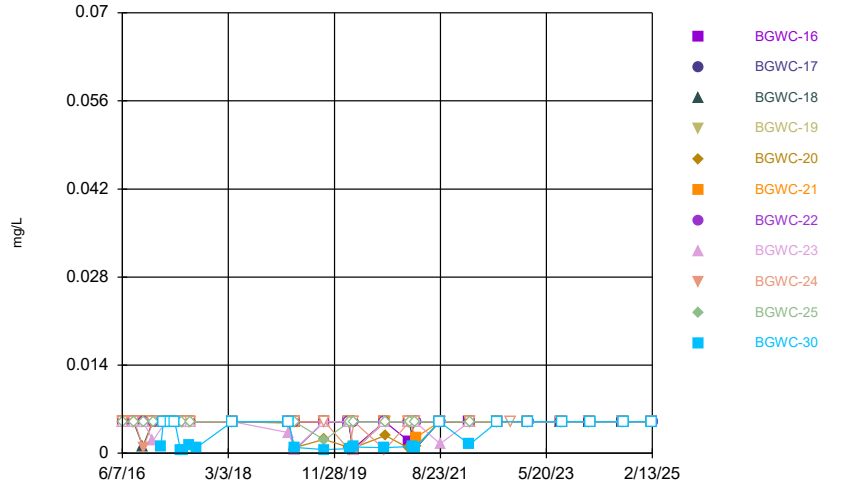
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

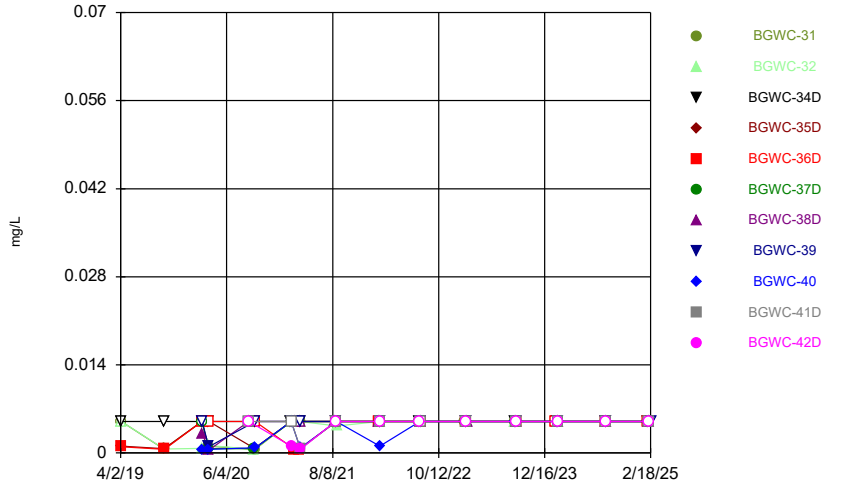
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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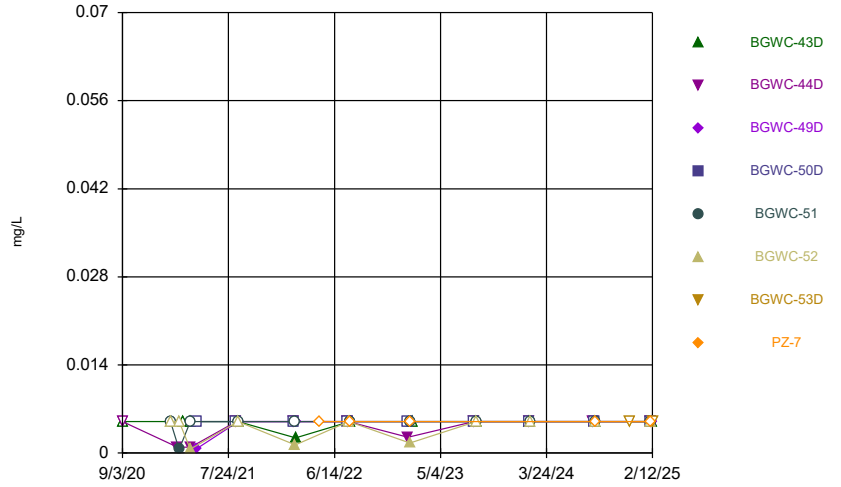
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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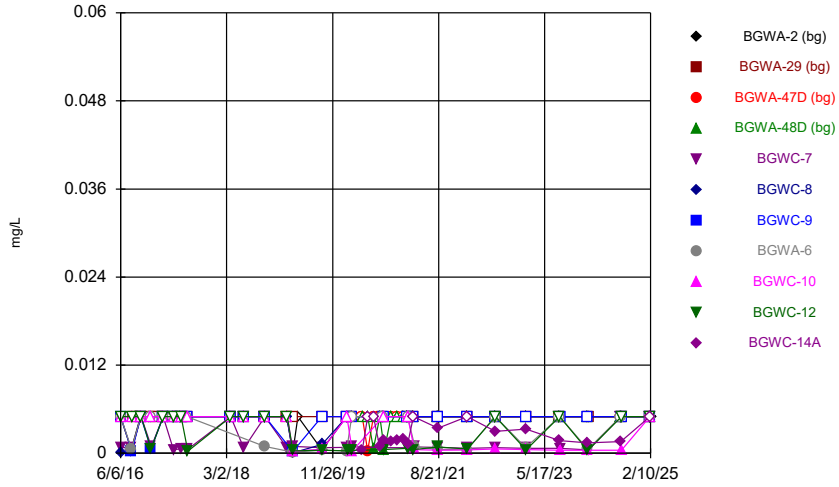
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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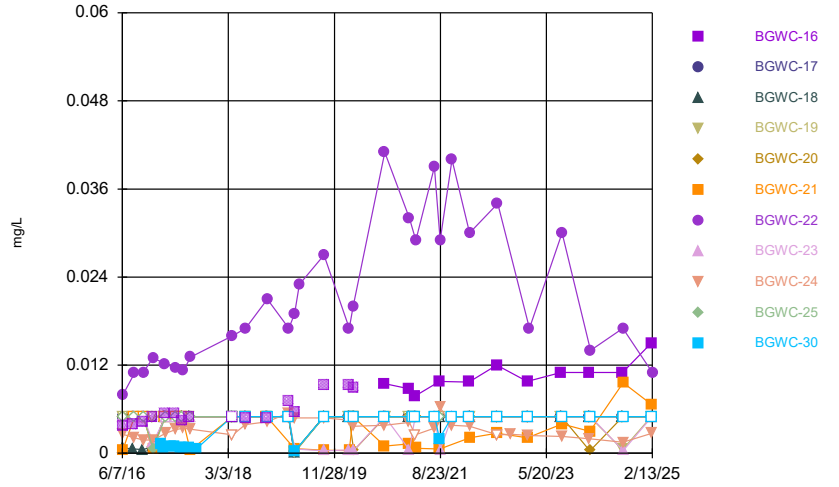
Time Series



Constituent: Cobalt Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

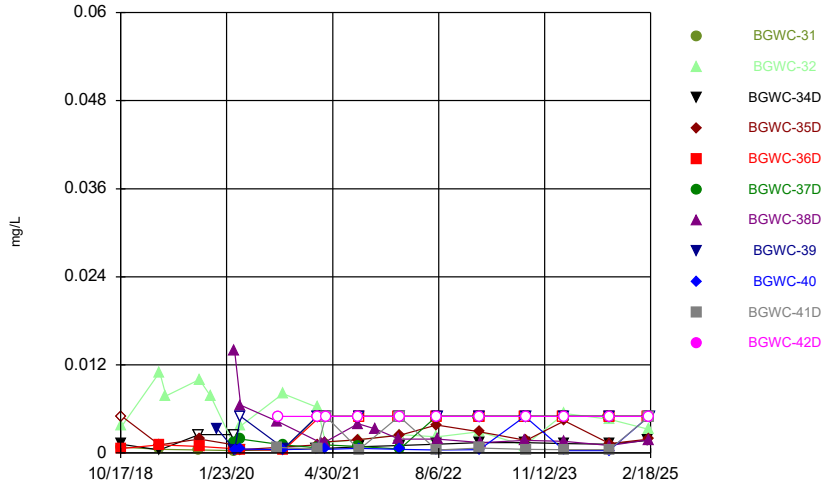
Time Series



Constituent: Cobalt Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

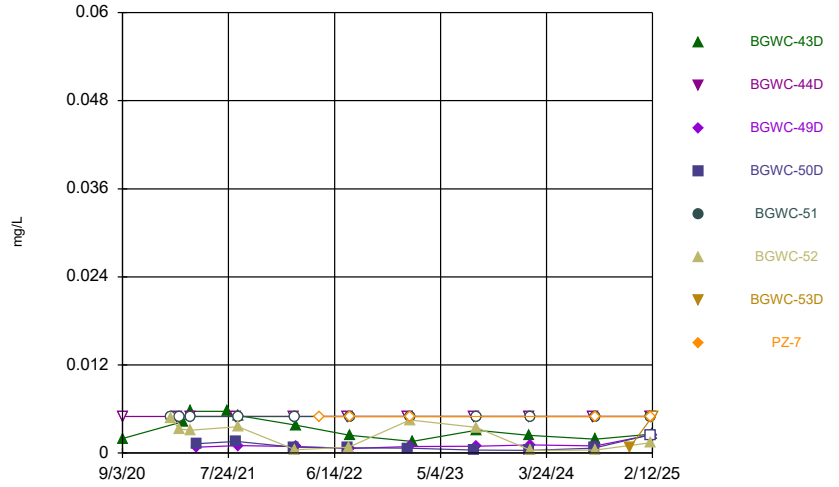
Time Series



Constituent: Cobalt Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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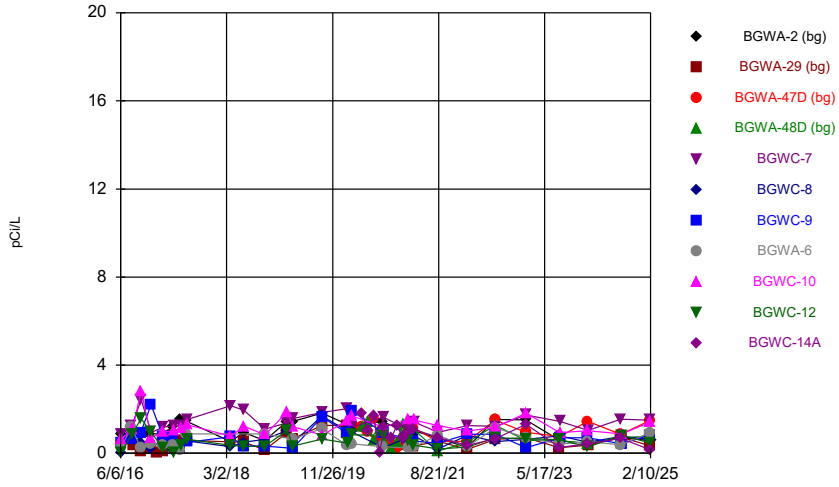
Time Series



Constituent: Cobalt Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

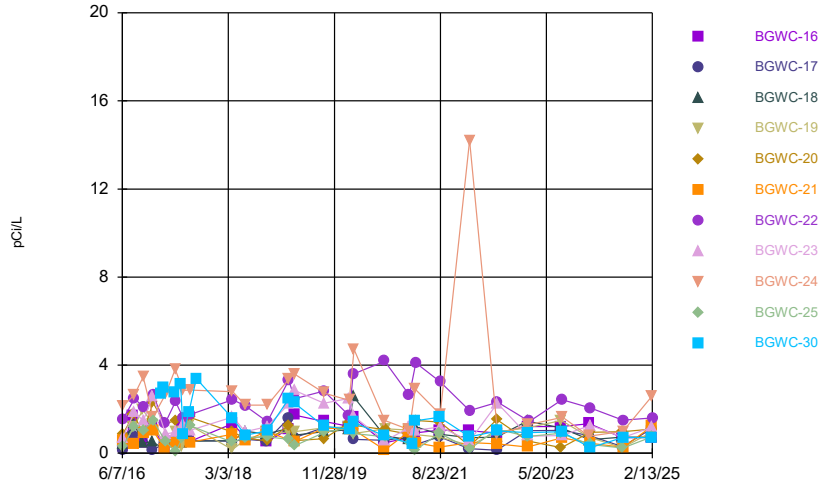
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

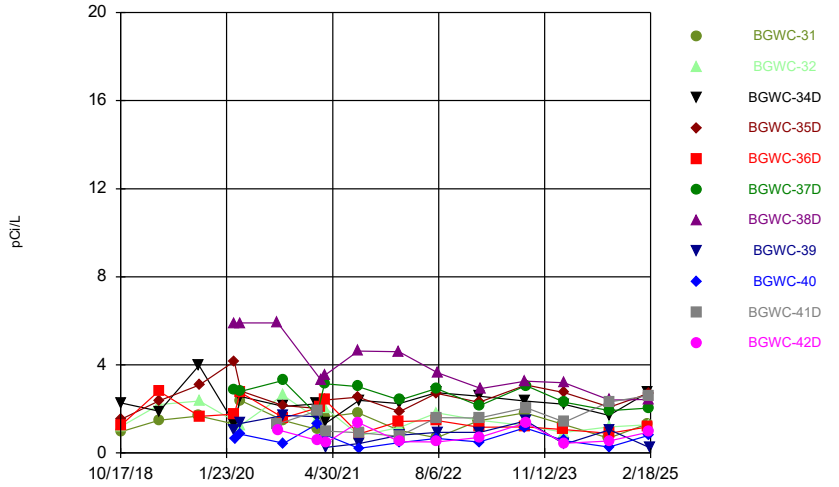
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

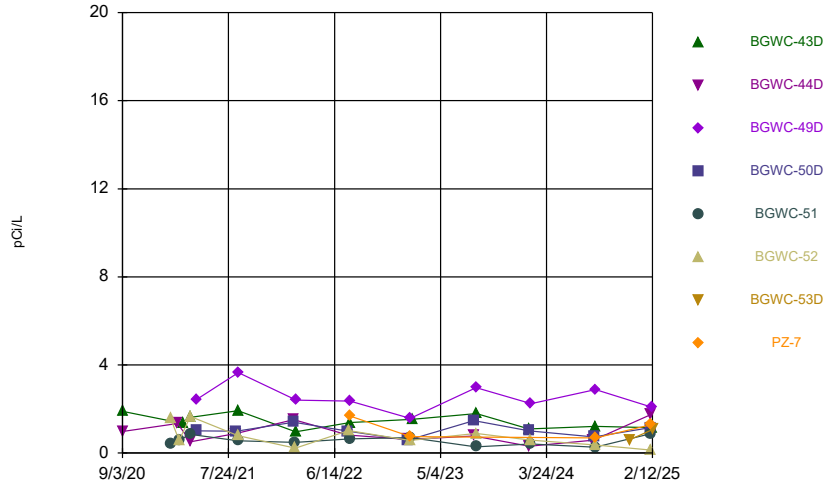
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

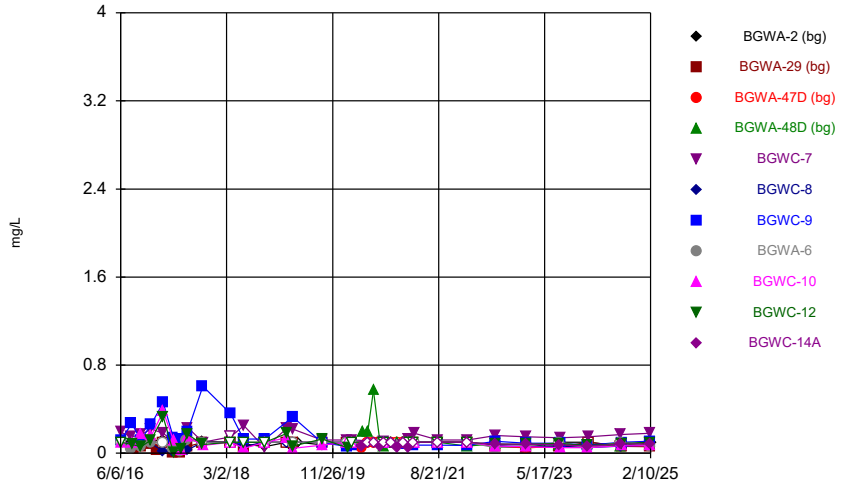
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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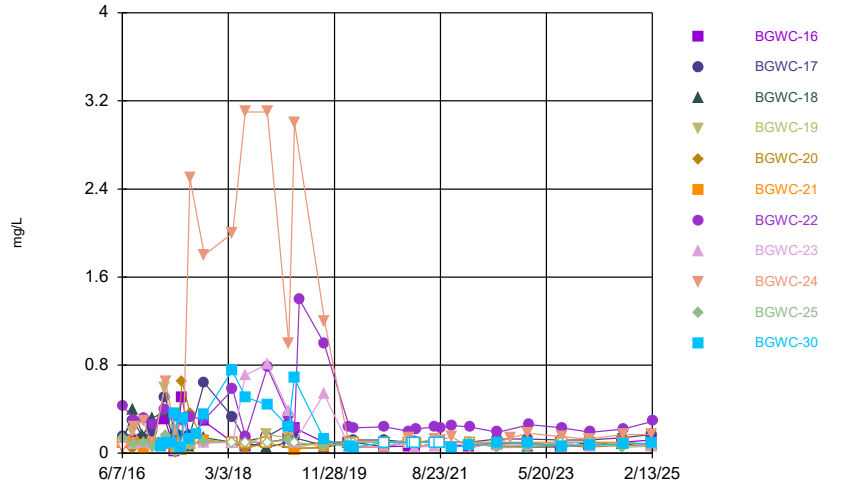
Time Series



Constituent: Fluoride Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

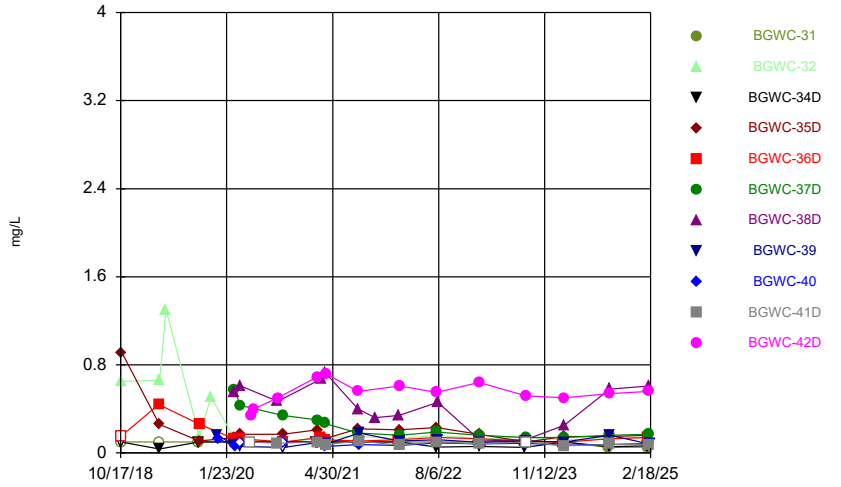
Time Series



Constituent: Fluoride Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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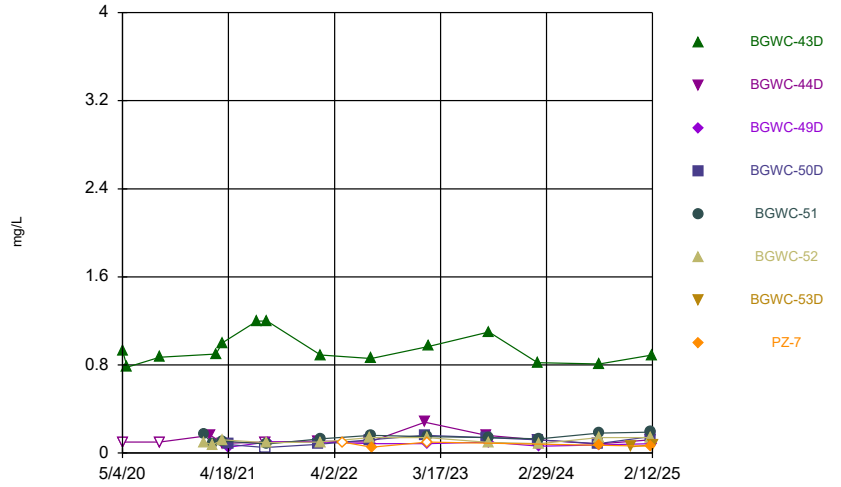
Time Series



Constituent: Fluoride Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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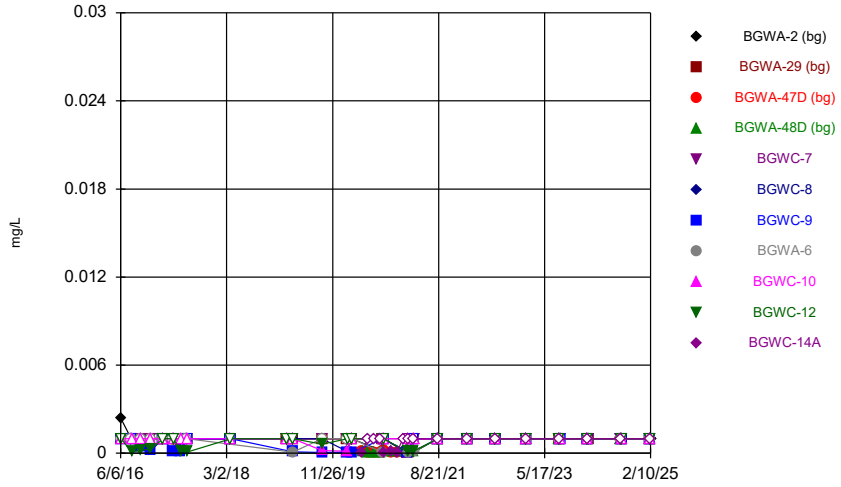
Time Series



Constituent: Fluoride Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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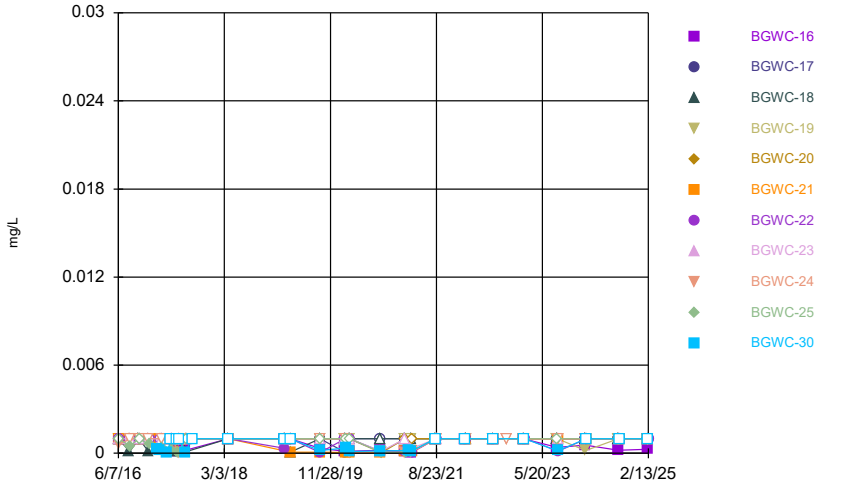
Time Series



Constituent: Lead Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

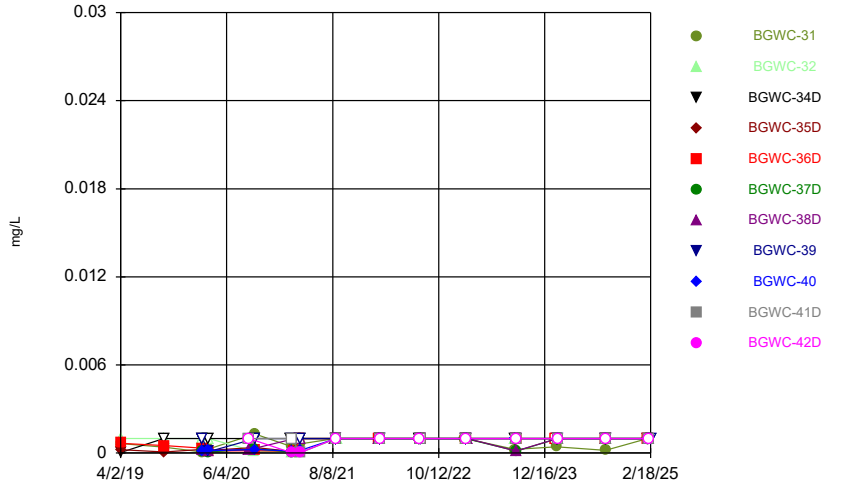
Time Series



Constituent: Lead Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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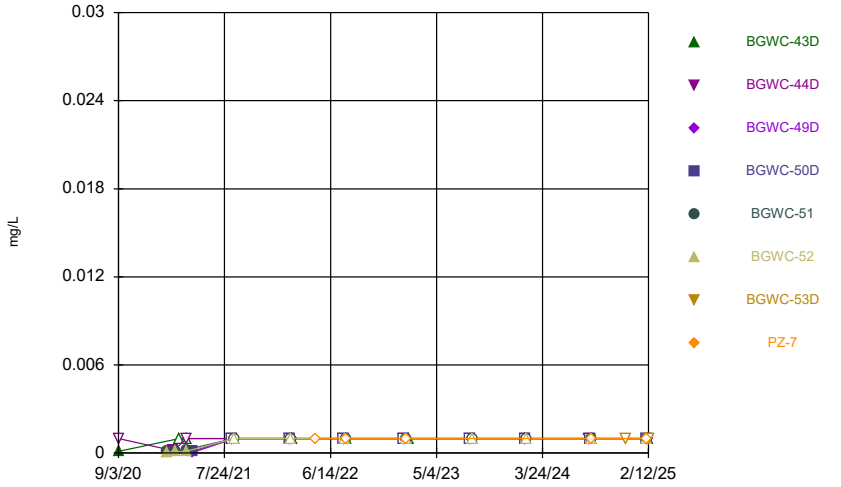
Time Series



Constituent: Lead Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

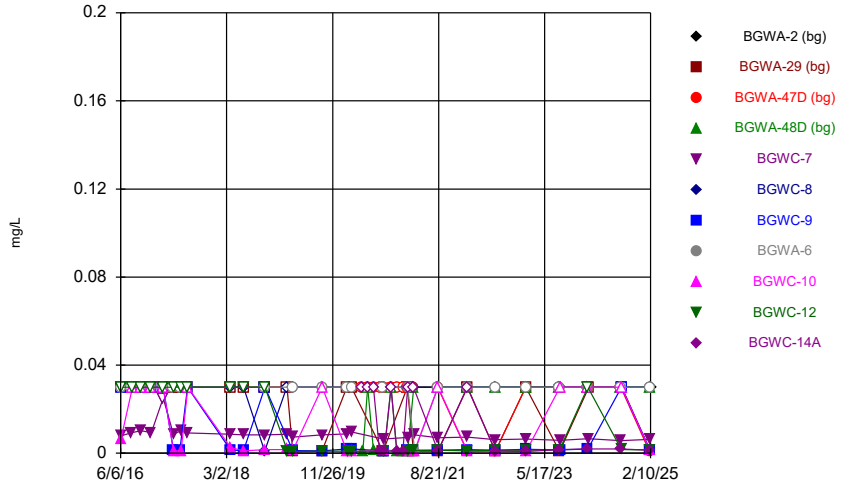
Time Series



Constituent: Lead Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

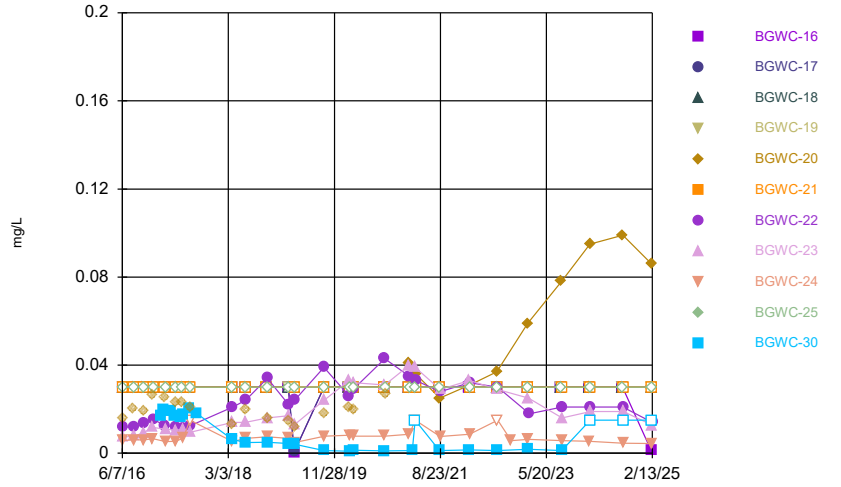
Time Series



Constituent: Lithium Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

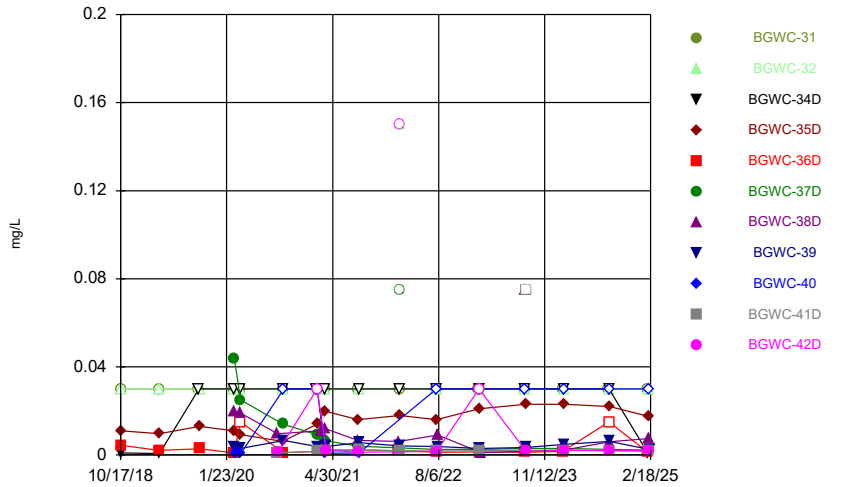
Time Series



Constituent: Lithium Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

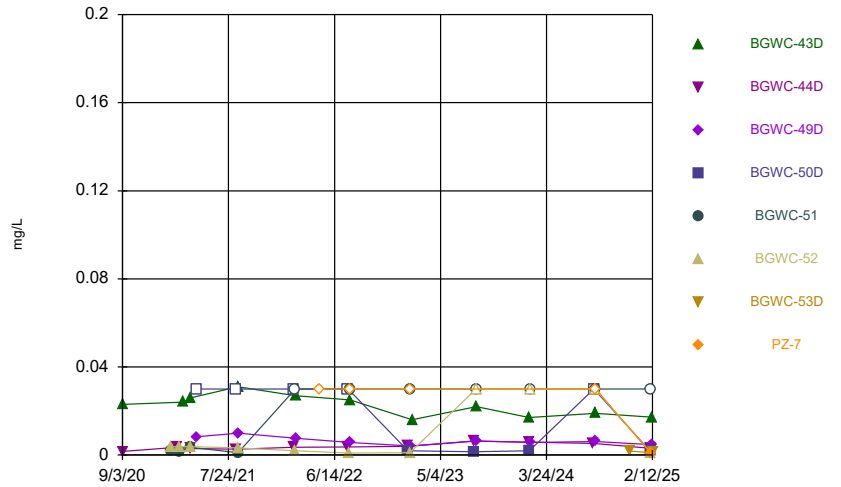
Time Series



Constituent: Lithium Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

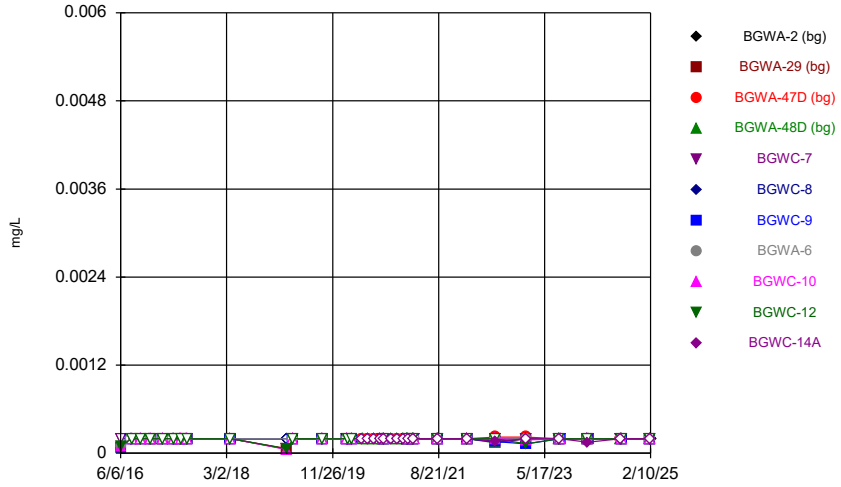
Time Series



Constituent: Lithium Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

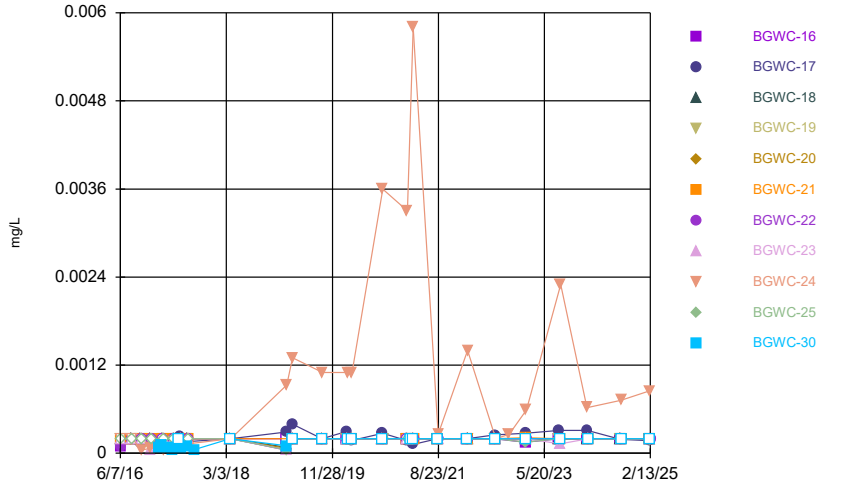
Time Series



Constituent: Mercury Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

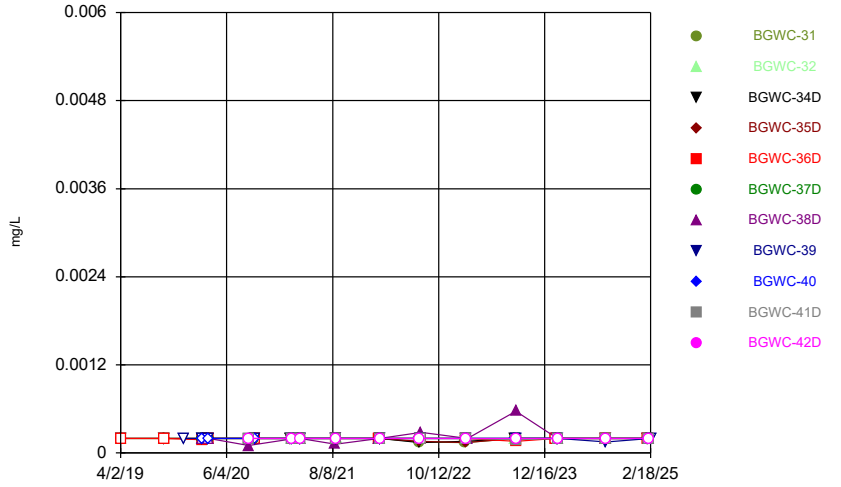
Time Series



Constituent: Mercury Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

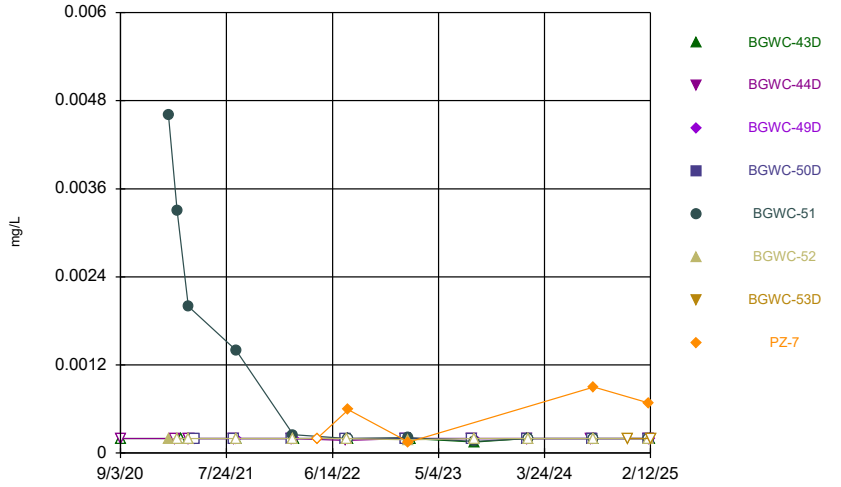
Time Series



Constituent: Mercury Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

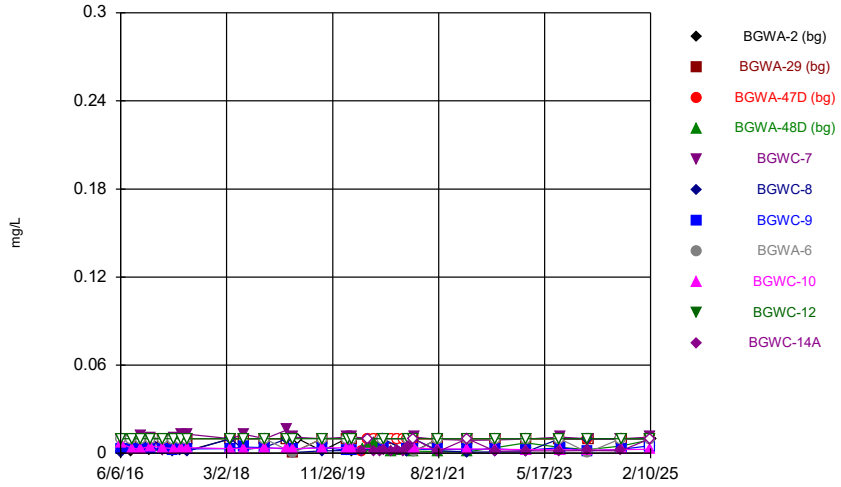
Time Series



Constituent: Mercury Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

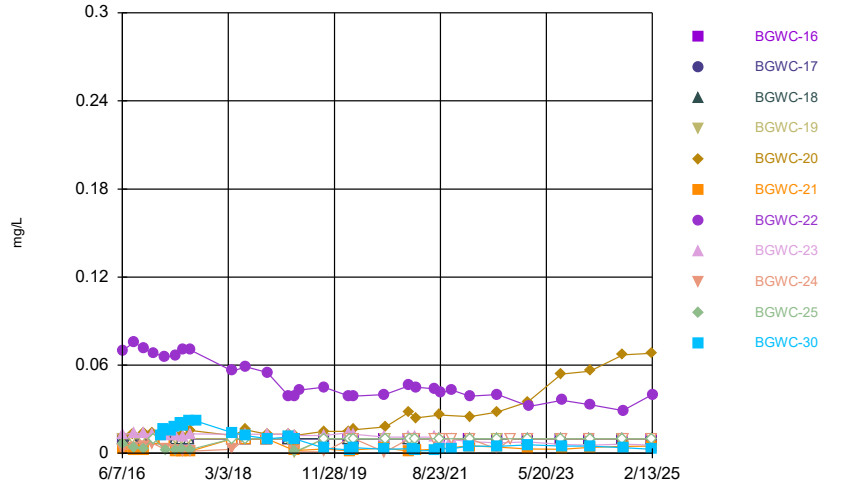
Time Series



Constituent: Molybdenum Analysis Run 6/3/2025 11:31 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

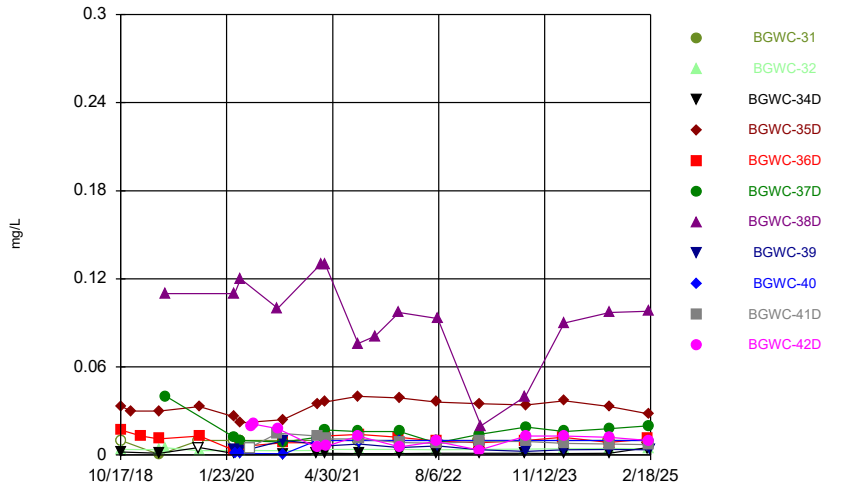
Time Series



Constituent: Molybdenum Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

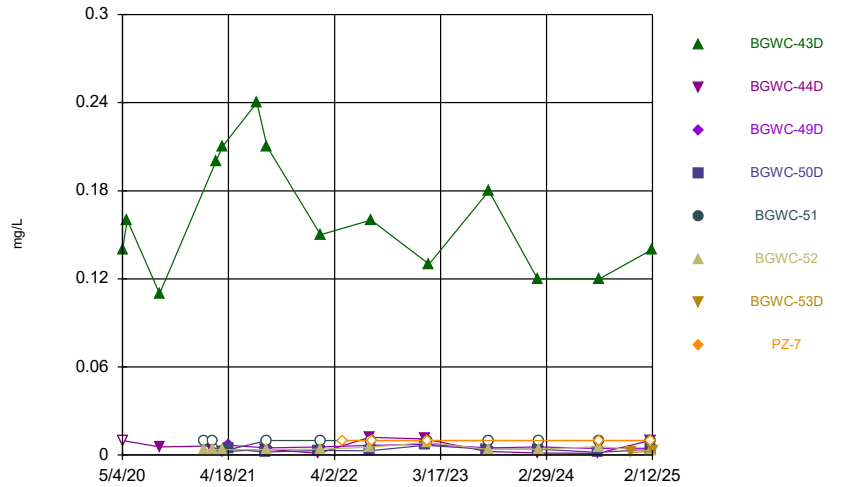
Time Series



Constituent: Molybdenum Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

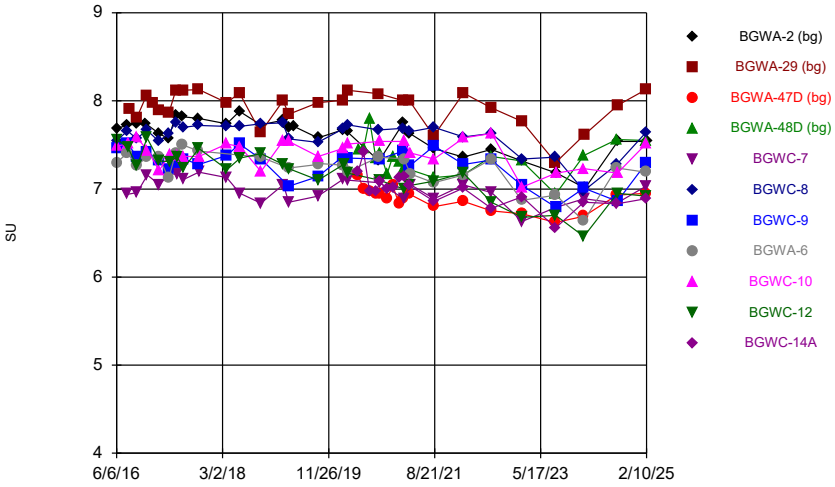
Time Series



Constituent: Molybdenum Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

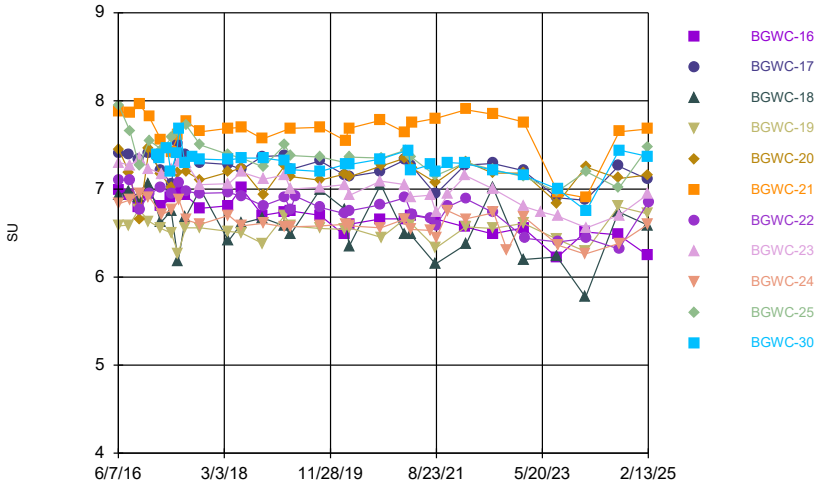
Time Series



Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

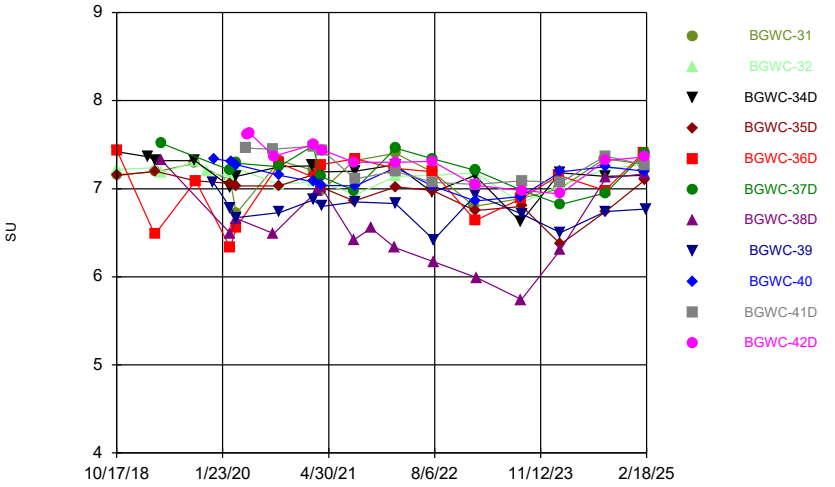
Time Series



Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

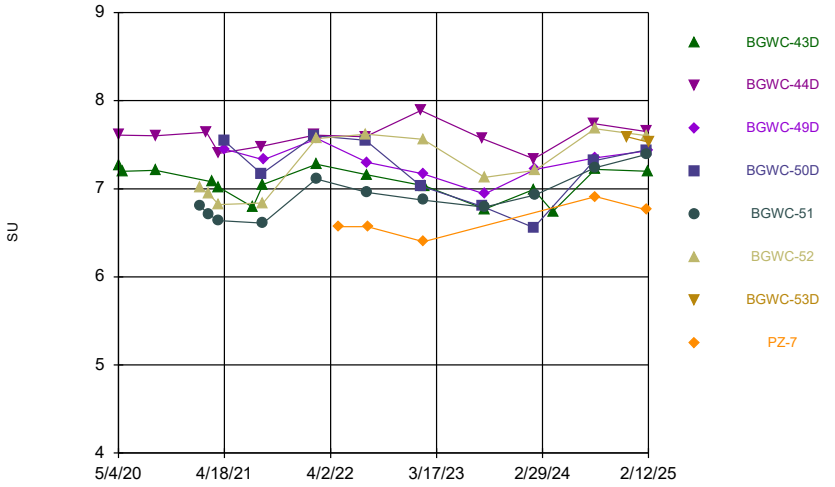
Time Series



Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

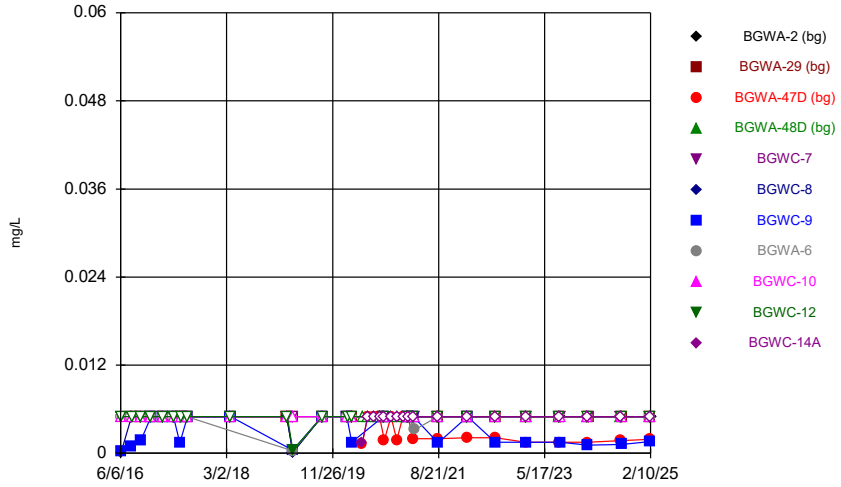
Time Series



Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

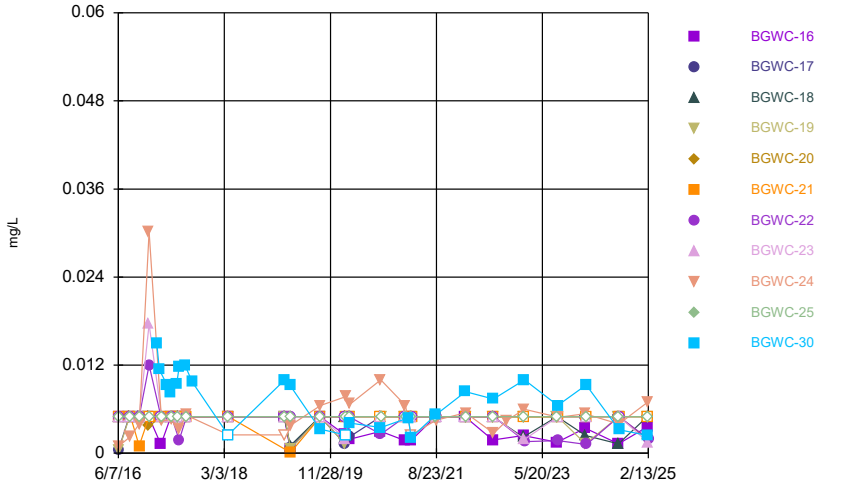
Time Series



Constituent: Selenium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

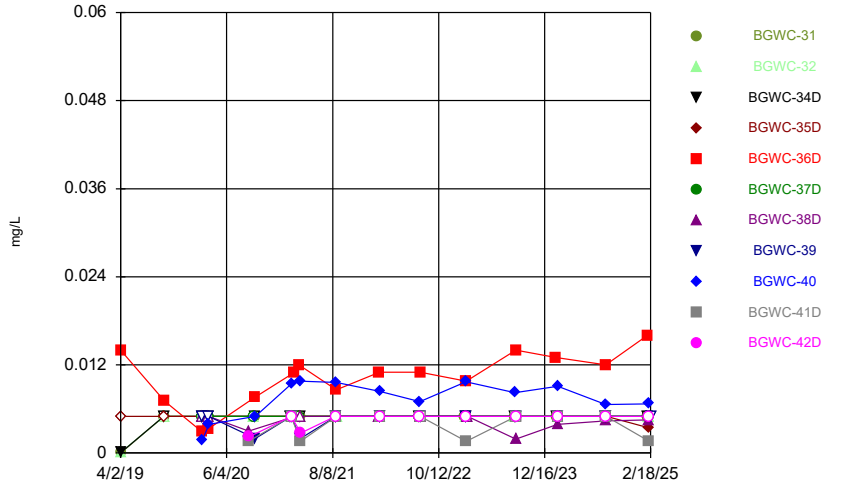
Time Series



Constituent: Selenium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

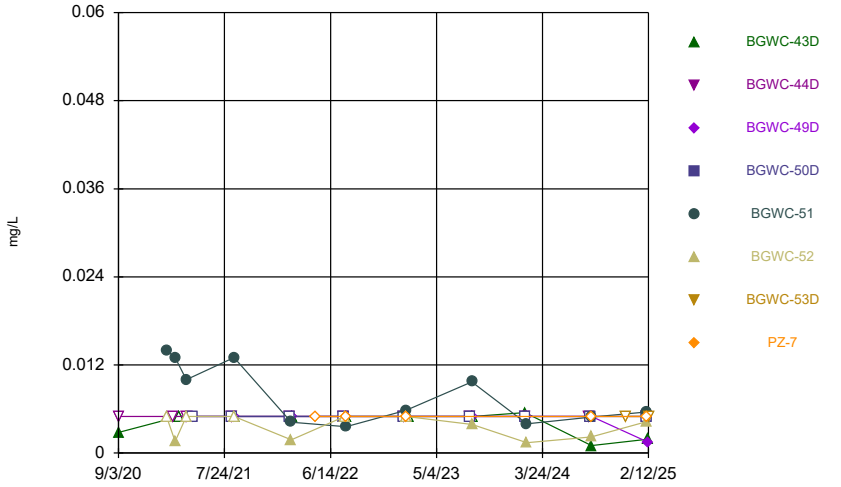
Time Series



Constituent: Selenium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

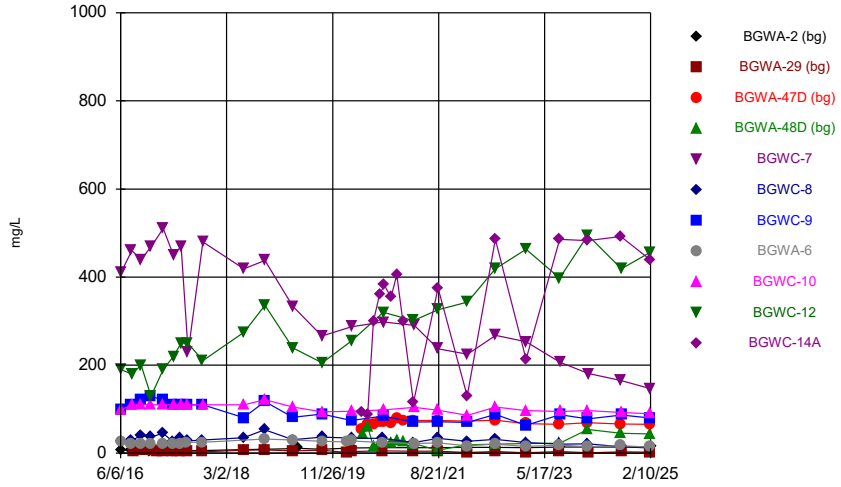
Time Series



Constituent: Selenium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series



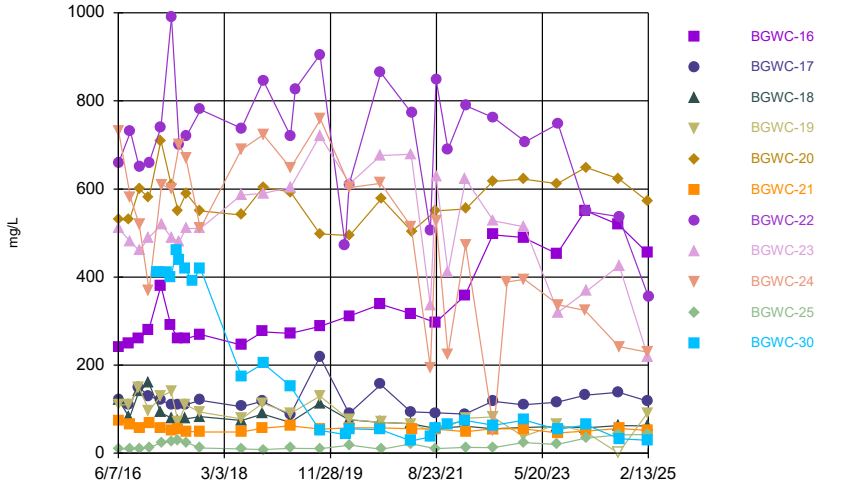
Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

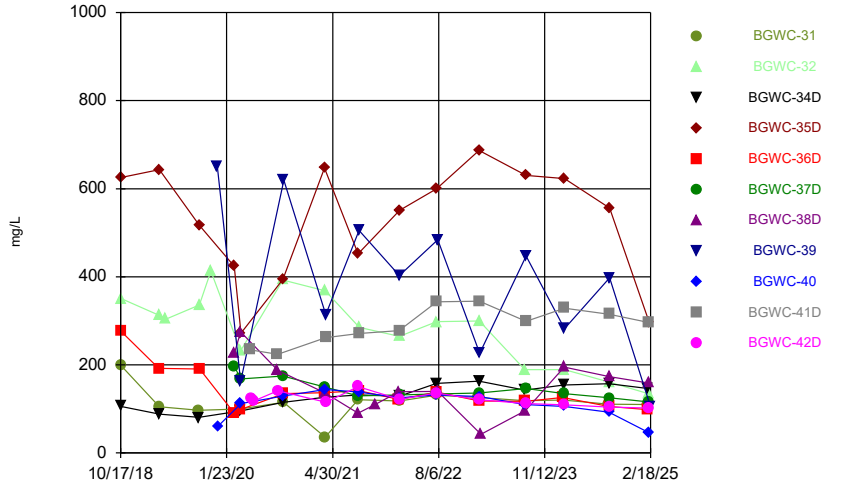


Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

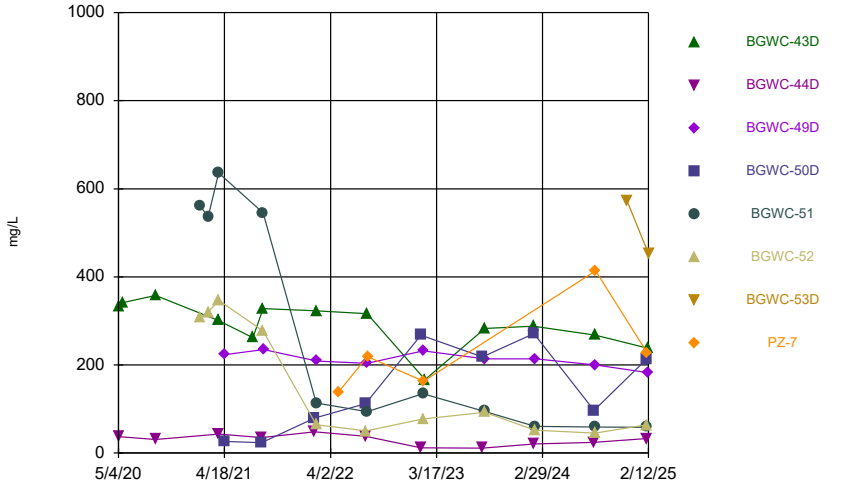


Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

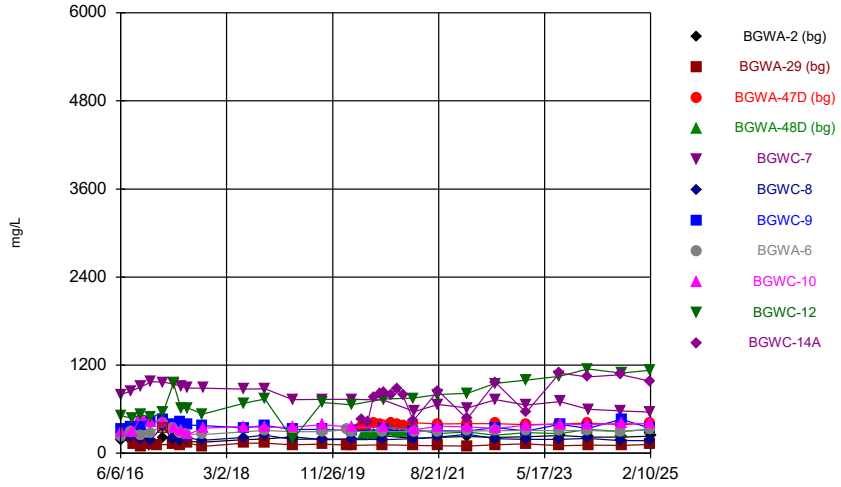


Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

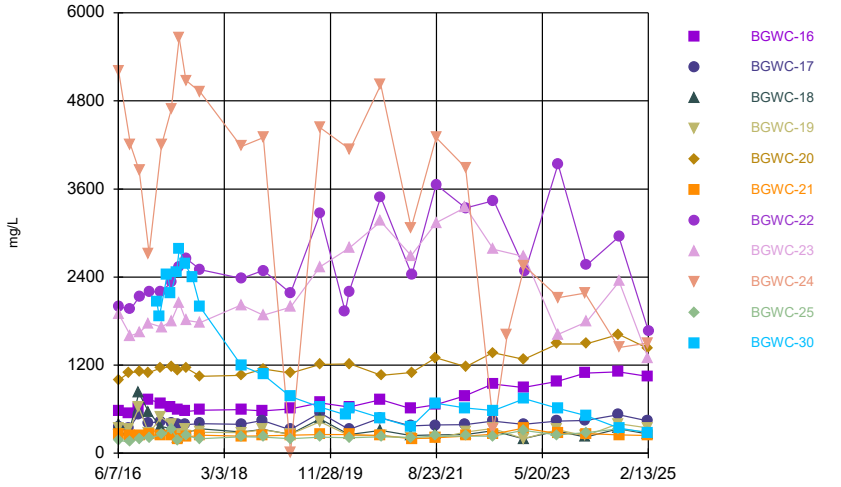


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

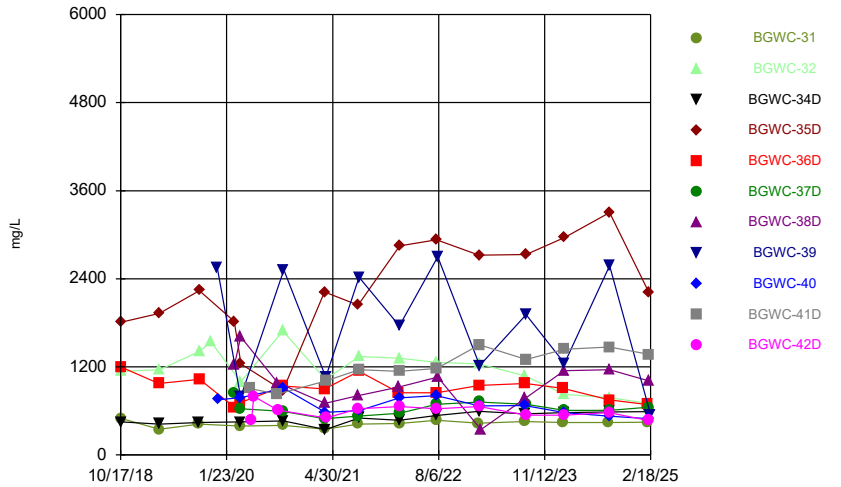


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

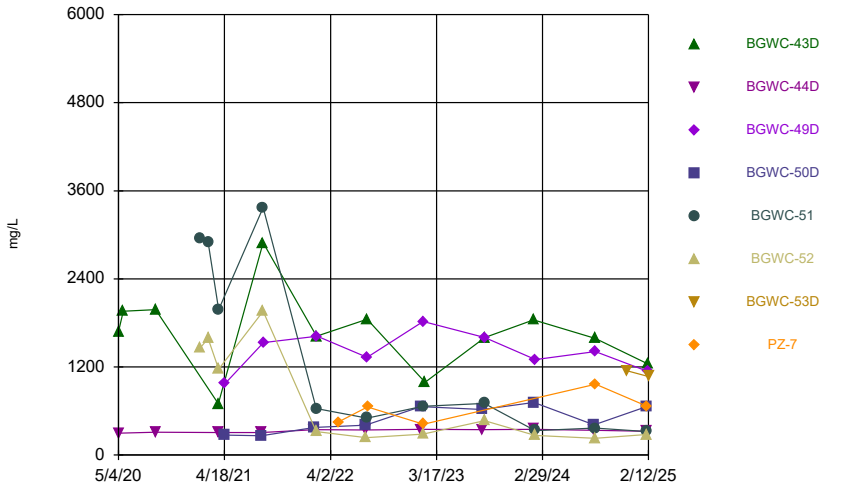


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

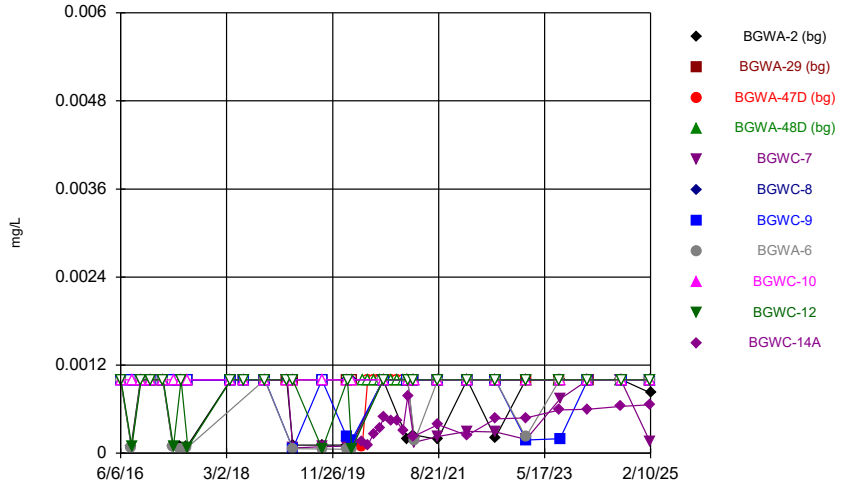


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

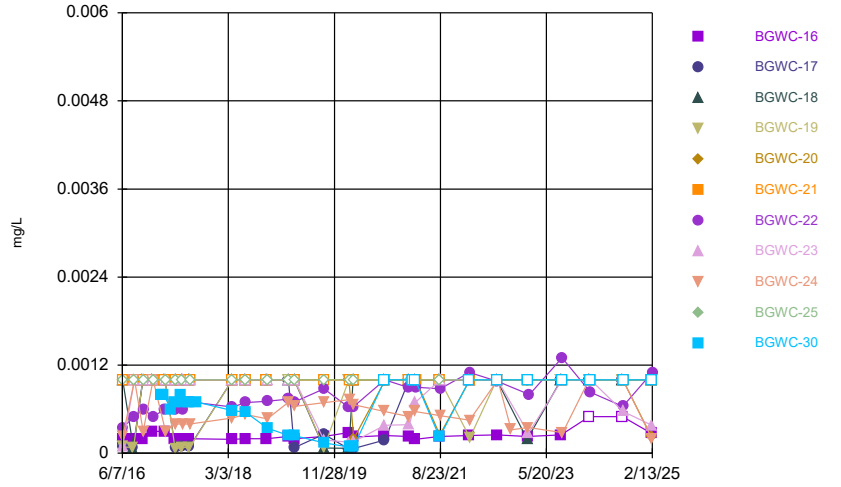
Time Series



Constituent: Thallium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

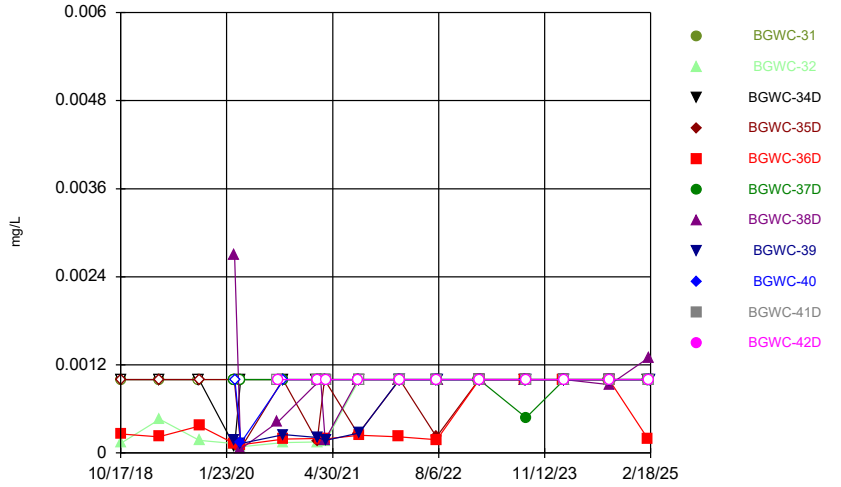
Time Series



Constituent: Thallium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

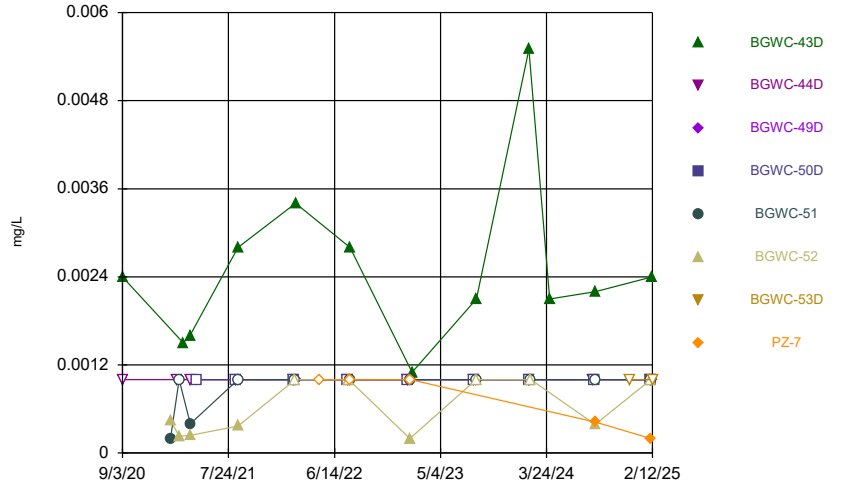
Time Series



Constituent: Thallium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 6/3/2025 11:32 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.003						<0.003	<0.003	
6/7/2016						<0.003			0.0022 (J)
6/8/2016					<0.003				
8/9/2016	<0.003								
8/10/2016						0.0004 (J)		<0.003	
8/11/2016					0.0005 (J)		0.0003 (J)		
8/12/2016									
8/16/2016									<0.003
8/22/2016		<0.003							
10/3/2016	<0.003								
10/4/2016		<0.003				<0.003		<0.003	
10/5/2016							<0.003		
10/6/2016					0.0015 (J)				
10/7/2016									<0.003
11/29/2016	<0.003								
12/1/2016		<0.003						<0.003	
12/2/2016						<0.003			
12/5/2016							<0.003		
12/6/2016					<0.003				<0.003
1/10/2017		<0.003							
2/13/2017	<0.003								
2/14/2017		<0.003				<0.003		<0.003	
2/15/2017					<0.003		<0.003		
2/16/2017									<0.003
4/13/2017	0.0004 (J)							<0.003	
4/14/2017		<0.003				<0.003			
4/17/2017							<0.003		
4/18/2017					0.0003 (J)				<0.003
5/25/2017	<0.003	<0.003						<0.003	
5/26/2017						<0.003	<0.003		
6/2/2017					<0.003				<0.003
7/7/2017	<0.003							<0.003	
7/10/2017		<0.003				<0.003			
7/11/2017							<0.003		
7/12/2017									<0.003
7/13/2017									
7/14/2017					<0.003				
3/26/2018	<0.003	<0.003				<0.003			
3/27/2018					<0.003		<0.003		<0.003
3/28/2018									
2/25/2019	<0.003					<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				<0.003			
2/20/2020							<0.003		<0.003
2/21/2020					0.0016 (J)				
2/24/2020									
3/18/2020	<0.003	<0.003				<0.003			
3/19/2020					<0.003		<0.003	<0.003	
3/23/2020									<0.003
5/22/2020			<0.003						

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
5/25/2020				0.0042					
6/23/2020			<0.003	0.00074 (J)					
7/28/2020			0.0013 (J)	0.0014 (J)					
9/2/2020			0.00082 (J)						
9/3/2020				0.0023 (J)					
9/23/2020	<0.003	<0.003				<0.003		<0.003	
9/24/2020							<0.003		<0.003
9/25/2020					<0.003				
10/1/2020			0.00056 (J)	0.0026 (J)					
11/10/2020			0.0019 (J)	0.0016 (J)					
12/15/2020			0.0018 (J)	0.0018 (J)					
1/20/2021			0.00068 (J)	0.0015 (J)					
2/16/2021	<0.003	0.0015 (J)				0.00046 (J)			
2/17/2021			0.0013 (J)	0.0013 (J)			0.00075 (J)		
2/18/2021					<0.003			<0.003	<0.003
2/19/2021									
3/23/2021		<0.003							
3/24/2021						0.00059 (J)	0.00038 (J)		
3/25/2021			<0.003	0.0008 (J)					
3/26/2021	<0.003								
3/30/2021					<0.003				<0.003
3/31/2021								<0.003	
8/16/2021	<0.003	<0.003	<0.003	0.0018 (J)				<0.003	
8/18/2021						<0.003	0.0014 (J)		<0.003
8/19/2021					<0.003				
2/9/2022	<0.003		<0.003	0.0018 (J)				<0.003	
2/10/2022		<0.003				<0.003	<0.003		
2/11/2022					<0.003				0.0021 (J)
7/26/2022	<0.003	0.00096 (J)	<0.003	0.0008 (J)		<0.003	<0.003	<0.003	
7/27/2022									
7/28/2022					<0.003				0.0015 (J)
1/24/2023	<0.003	<0.003	<0.003	<0.003					
1/25/2023								0.0017 (J)	
1/26/2023					<0.003	<0.003	<0.003		
1/27/2023									<0.003
8/15/2023			<0.003					<0.003	
8/16/2023		<0.003		<0.003		<0.003			
8/17/2023					<0.003		<0.003		<0.003
8/21/2023	<0.003								
1/31/2024			<0.003	0.001 (J)				<0.003	
2/1/2024						<0.003	<0.003		<0.003
2/2/2024					<0.003				
2/5/2024		<0.003							
2/8/2024	0.0012 (J)								
8/15/2024			<0.003	0.00081 (J)				<0.003	
8/16/2024					<0.003	<0.003			
8/19/2024							<0.003		
8/20/2024									<0.003
8/21/2024	<0.003	<0.003							
2/4/2025			<0.003	<0.003				<0.003	
2/5/2025						<0.003	<0.003		
2/6/2025		<0.003			<0.003				<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/10/2025	<0.003								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.003	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.003	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.003	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.003	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.003	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.003	
5/25/2017		
5/26/2017		
6/2/2017	<0.003	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.003	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.003	
2/25/2019		
2/27/2019		
2/28/2019	<0.003	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	<0.003	
3/18/2020		
3/19/2020	<0.003	
3/23/2020		
5/22/2020		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
5/25/2020		
6/23/2020		<0.003
7/28/2020		<0.003
9/2/2020		<0.003
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	<0.003	
10/1/2020		0.0003 (J)
11/10/2020		0.00061 (J)
12/15/2020		<0.003
1/20/2021		<0.003
2/16/2021		
2/17/2021		
2/18/2021		<0.003
2/19/2021	<0.003	
3/23/2021		
3/24/2021	<0.003	<0.003
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.003	<0.003
8/19/2021		
2/9/2022		<0.003
2/10/2022		
2/11/2022	<0.003	
7/26/2022		<0.003
7/27/2022	<0.003	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.003	<0.003
1/27/2023		
8/15/2023		
8/16/2023	<0.003	<0.003
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.003	<0.003
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		<0.003
8/19/2024	<0.003	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.003	<0.003
2/6/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/10/2025		

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.003	<0.003							
6/8/2016			<0.003	<0.003	<0.003	<0.003	<0.003		
6/9/2016								<0.003	<0.003
8/11/2016	0.0004 (J)	0.0002 (J)							
8/12/2016			<0.003	<0.003	<0.003				
8/15/2016									
8/18/2016						<0.003	0.0023 (J)	0.0009 (J)	<0.003
10/7/2016	<0.003	<0.003	<0.003	<0.003					
10/10/2016					<0.003	<0.003	0.0021 (J)	<0.003	<0.003
12/6/2016	<0.003	<0.003	<0.003						
12/7/2016				<0.003	<0.003			<0.003	<0.003
12/8/2016						<0.003	<0.003		
1/23/2017									
2/7/2017									
2/16/2017	<0.003	<0.003	<0.003	<0.003					
2/17/2017					<0.003	<0.003	<0.003		
2/20/2017								<0.003	<0.003
3/27/2017									
4/17/2017									
4/18/2017	<0.003								
4/19/2017		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
4/20/2017							<0.003		
5/22/2017									
5/30/2017	<0.003	<0.003							
6/1/2017			<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	<0.003					
7/17/2017								<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	<0.003					
3/28/2018					<0.003	<0.003			
3/29/2018							<0.003	<0.003	<0.003
2/25/2019	<0.003								
2/27/2019		<0.003	<0.003		<0.003				
3/1/2019				<0.003			<0.003	<0.003	<0.003
2/20/2020	<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
3/19/2020	<0.003	<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									
3/25/2020									<0.003
9/24/2020	<0.003	<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)				
2/18/2021	<0.003	<0.003	<0.003	<0.003	<0.003				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/19/2021						<0.003	0.00028 (J)	0.00031 (J)	0.00036 (J)
2/23/2021									
3/8/2021									
3/24/2021	<0.003	<0.003	<0.003						
3/25/2021									
3/26/2021				<0.003				<0.003	<0.003
3/29/2021					<0.003	<0.003	<0.003		
8/18/2021	<0.003								
8/19/2021		<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	<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)			
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
1/26/2023	<0.003	<0.003	<0.003						
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		
5/10/2023								0.0032	
8/17/2023	<0.003	<0.003	<0.003						
8/18/2023				<0.003	<0.003				
8/21/2023									
8/22/2023							<0.003		
8/23/2023						<0.003		<0.003	
8/25/2023									0.0021 (J)
1/30/2024									<0.003
2/1/2024	<0.003	<0.003							
2/2/2024			<0.003	<0.003					
2/5/2024					<0.003	<0.003			
2/6/2024									
2/8/2024							<0.003	0.00089 (J)	
8/19/2024	<0.003	<0.003	<0.003	<0.003					
8/20/2024					<0.003				
8/21/2024							<0.003		0.009
8/22/2024						<0.003		0.0029 (J)	
2/6/2025	<0.003				<0.003				
2/7/2025		<0.003	<0.003	<0.003					
2/10/2025						<0.003			
2/11/2025								0.0031	0.0032
2/13/2025							0.00085 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.003	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.0013 (J)	
8/18/2016		
10/7/2016		
10/10/2016	<0.003	
12/6/2016		
12/7/2016		
12/8/2016	<0.003	
1/23/2017		<0.003
2/7/2017		<0.003
2/16/2017		
2/17/2017		
2/20/2017	<0.003	
3/27/2017		<0.003
4/17/2017		<0.003
4/18/2017		
4/19/2017		
4/20/2017	<0.003	
5/22/2017		<0.003
5/30/2017		
6/1/2017	<0.003	
6/5/2017		<0.003
7/11/2017		<0.003
7/14/2017		
7/17/2017	<0.003	
7/18/2017		
7/19/2017		
8/23/2017		<0.003
3/26/2018		<0.003
3/27/2018		
3/28/2018	<0.003	
3/29/2018		
2/25/2019		
2/27/2019		
3/1/2019	<0.003	<0.003
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.003	<0.003
3/19/2020		
3/20/2020		
3/23/2020		<0.003
3/24/2020	<0.003	
3/25/2020		
9/24/2020		
9/25/2020		<0.003
9/28/2020	<0.003	
2/18/2021		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/19/2021		
2/23/2021	<0.003	
3/8/2021		<0.003
3/24/2021		
3/25/2021		<0.003
3/26/2021	<0.003	
3/29/2021		
8/18/2021		
8/19/2021	<0.003	<0.003
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.003
2/15/2022		
2/16/2022	<0.003	
7/27/2022	<0.003	
7/28/2022		
8/1/2022		<0.003
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.003	
1/30/2023		
2/1/2023		<0.003
2/2/2023		
2/7/2023		
5/10/2023		
8/17/2023	<0.003	
8/18/2023		
8/21/2023		<0.003
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	0.00058 (J)	
2/6/2024		<0.003
2/8/2024		
8/19/2024		
8/20/2024	<0.003	
8/21/2024		
8/22/2024		0.00085 (J)
2/6/2025		
2/7/2025		
2/10/2025	<0.003	<0.003
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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	
4/1/2021									
8/19/2021							0.01		
8/20/2021	<0.003			<0.003		<0.003			
8/23/2021					<0.003				
8/24/2021			<0.003					<0.003	<0.003
8/25/2021		<0.003							
2/14/2022					<0.003		0.0067		
2/15/2022									
2/16/2022	<0.003	<0.003	<0.003					<0.003	<0.003
2/17/2022				<0.003		<0.003			
7/28/2022	<0.003		<0.003	<0.003		<0.003			<0.003
7/29/2022		<0.003			<0.003				
8/2/2022							0.0015 (J)	<0.003	
1/27/2023	<0.003								
1/30/2023			<0.003	<0.003		<0.003			
1/31/2023		<0.003							<0.003
2/1/2023					<0.003				
2/2/2023								<0.003	
2/7/2023							0.00082 (J)		
8/18/2023	<0.003	<0.003	<0.003						<0.003
8/21/2023					<0.003		<0.003		
8/23/2023								<0.003	
8/24/2023				<0.003		<0.003			
1/30/2024					0.0021 (J)				
2/2/2024	0.0023 (J)								
2/5/2024			<0.003						
2/6/2024							0.0026 (J)		
2/7/2024				0.0023 (J)		<0.003			<0.003
2/8/2024		<0.003						<0.003	
8/19/2024	<0.003								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 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
8/20/2024			<0.003		<0.003				<0.003
8/21/2024		<0.003							
8/22/2024				0.0013 (J)		<0.003	0.0013 (J)	<0.003	
2/5/2025					<0.003				
2/6/2025	<0.003		<0.003						
2/10/2025									<0.003
2/11/2025				0.00086 (J)		0.002 (J)	0.001 (J)		
2/12/2025		<0.003							
2/18/2025								<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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)	
9/3/2020		0.00072 (J)
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.003	0.0019 (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	<0.003	
4/1/2021		0.0019 (J)
8/19/2021		
8/20/2021		0.00083 (J)
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		<0.003
7/28/2022		<0.003
7/29/2022	<0.003	
8/2/2022		
1/27/2023		
1/30/2023		<0.003
1/31/2023		
2/1/2023	<0.003	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	<0.003	
8/24/2023		<0.003
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.003	<0.003
2/8/2024		
8/19/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/20/2024		<0.003
8/21/2024	<0.003	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.003
2/12/2025	<0.003	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.00091 (J)	0.0021 (J)						
1/28/2021					<0.003	0.0019 (J)		
2/18/2021		0.009						
2/23/2021					<0.003	0.00053 (J)		
3/8/2021	0.00058 (J)							
3/29/2021	<0.003							
3/30/2021					0.0019 (J)	0.00085 (J)		
3/31/2021		0.0026 (J)						
4/19/2021			0.00039 (J)	0.0019 (J)				
8/18/2021		0.0015 (J)		<0.003				
8/23/2021	<0.003				<0.003	<0.003		
8/24/2021			<0.003					
2/9/2022		<0.003		<0.003				
2/14/2022					<0.003	<0.003		
2/15/2022	<0.003							
2/17/2022			<0.003					
4/28/2022								<0.003
7/26/2022		0.0011 (J)		<0.003				
7/28/2022						<0.003		
8/1/2022	<0.003		<0.003		<0.003			
8/2/2022								<0.003
1/25/2023		<0.003		0.0017 (J)				
1/31/2023					<0.003	<0.003		
2/1/2023			<0.003					
2/2/2023								<0.003
2/7/2023	<0.003							
8/15/2023		<0.003		<0.003				
8/21/2023					<0.003			
8/22/2023			<0.003			<0.003		
8/23/2023	<0.003							
1/30/2024	0.0015 (J)							
1/31/2024		<0.003		<0.003				
2/5/2024					<0.003	<0.003		
2/6/2024			<0.003					
8/15/2024		<0.003						
8/16/2024				<0.003				
8/20/2024					<0.003	<0.003		
8/21/2024	<0.003		<0.003					
8/22/2024								<0.003
12/3/2024							<0.003	
2/5/2025		<0.003		<0.003				
2/6/2025					<0.003			
2/7/2025						<0.003		<0.003
2/10/2025			<0.003					
2/11/2025	<0.003							
2/12/2025							<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	0.0012 (J)						0.0022	<0.005	
6/7/2016						0.00018 (J)			0.0039
6/8/2016					0.0024				
8/9/2016	<0.005								
8/10/2016						<0.005		<0.005	
8/11/2016					0.0024 (J)		0.0028 (J)		
8/12/2016									
8/16/2016									0.0091
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005		<0.005	
10/5/2016							0.002 (J)		
10/6/2016					<0.005				
10/7/2016									0.0074
11/29/2016	0.0023 (J)								
12/1/2016		<0.005						<0.005	
12/2/2016						<0.005			
12/5/2016							<0.005		
12/6/2016					<0.005				0.0044 (J)
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005		<0.005	
2/15/2017					0.003 (J)		0.0033 (J)		
2/16/2017									0.0081
4/13/2017	0.0017 (J)							0.0007 (J)	
4/14/2017		0.0006 (J)				0.0007 (J)			
4/17/2017							0.0028 (J)		
4/18/2017					0.0029 (J)				0.0084
5/25/2017	0.0015 (J)	0.0008 (J)						0.0013 (J)	
5/26/2017						0.0008 (J)	0.0035 (J)		
6/2/2017					0.0031 (J)				0.008
7/7/2017	0.001 (J)							<0.005	
7/10/2017		0.0008 (J)				0.0011 (J)			
7/11/2017							0.0033 (J)		
7/12/2017									0.0063
7/13/2017									
7/14/2017					0.0017 (J)				
3/26/2018	0.0019 (J)	0.00066 (J)				0.0009 (J)			
3/27/2018					0.0028 (J)		0.0021 (J)		0.0064
3/28/2018									
6/12/2018	0.0013 (J)	0.00059 (J)				0.00065 (J)	0.0015 (J)		
6/13/2018					0.0023 (J)				
6/14/2018									0.0075
10/16/2018	0.00075 (J)	<0.005				0.00064 (J)		0.00095 (J)	
10/17/2018							0.0035 (J)		
10/18/2018					0.0015 (J)				0.0056
2/25/2019	<0.005					<0.005			
2/27/2019		0.0011 (J)							
2/28/2019					0.0011 (J)				0.0058
4/1/2019	0.00049 (J)	0.00019 (J)				0.00041 (J)	0.0026 (J)		
4/2/2019					0.0016 (J)			0.00032 (J)	0.0057
9/23/2019	0.00095 (J)	0.00053 (J)						0.0012 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/24/2019					0.0031 (J)	0.00047 (J)	0.0033 (J)		
9/25/2019									0.0058
2/18/2020	0.002 (J)							0.0019 (J)	
2/19/2020		0.0012 (J)				0.0011 (J)			
2/20/2020							0.0019 (J)		0.0067
2/21/2020					0.0018 (J)				
2/24/2020									
3/18/2020	<0.005	<0.005				0.00042 (J)			
3/19/2020					0.0018 (J)		0.0014 (J)	<0.005	
3/23/2020									0.0049 (J)
5/22/2020			0.00059 (J)						
5/25/2020				0.0025 (J)					
6/23/2020			<0.005	0.01					
7/28/2020			0.00081 (J)	0.0039 (J)					
9/2/2020			<0.005						
9/3/2020				0.0018 (J)					
9/23/2020	<0.005	<0.005				<0.005		<0.005	
9/24/2020							0.0021 (J)		0.006
9/25/2020					0.0025 (J)				
10/1/2020			<0.005	0.0014 (J)					
11/10/2020			<0.005	<0.005					
12/15/2020			<0.005	<0.005					
1/20/2021			<0.005	<0.005					
2/16/2021	<0.005	<0.005				<0.005			
2/17/2021			<0.005	<0.005			0.0019 (J)		
2/18/2021					0.0026 (J)			0.0011 (J)	0.0054
2/19/2021									
3/23/2021		<0.005							
3/24/2021						0.0012 (J)	0.0025 (J)		
3/25/2021			0.0014 (J)	0.0042 (J)					
3/26/2021	<0.005								
3/30/2021					0.0017 (J)				0.0053
3/31/2021								<0.005	
8/16/2021	<0.005	<0.005	0.0012 (J)	0.0079				<0.005	
8/18/2021						0.0014 (J)	0.0025 (J)		0.0083
8/19/2021					0.0045 (J)				
2/9/2022	<0.005		<0.005	0.0057				<0.005	
2/10/2022		<0.005				<0.005	0.0018 (J)		
2/11/2022					0.0022 (J)				0.0094
7/26/2022	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/27/2022									
7/28/2022					0.0024 (J)				0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005					
1/25/2023								<0.005	
1/26/2023					0.0025 (J)	<0.005	<0.005		
1/27/2023									<0.005
8/15/2023			<0.005					<0.005	
8/16/2023		<0.005		<0.005		<0.005			
8/17/2023					0.0041 (J)		<0.005		0.0062
8/21/2023	<0.005								
1/31/2024			<0.005	0.0038 (J)				<0.005	
2/1/2024						<0.005	0.0012 (J)		0.006

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/2/2024					0.0015 (J)				
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			<0.005	0.004 (J)				<0.005	
8/16/2024					0.0011 (J)	<0.005			
8/19/2024							0.0024 (J)		
8/20/2024									0.0071
8/21/2024	0.0019 (J)	0.0011 (J)							
2/4/2025			<0.005	0.0031 (J)				<0.005	
2/5/2025						<0.005	<0.005		
2/6/2025		<0.005			<0.005				0.004 (J)
2/10/2025	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.005	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	0.0009 (J)	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.005	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.005	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.005	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	0.0009 (J)	
5/25/2017		
5/26/2017		
6/2/2017	0.0015 (J)	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.0006 (J)	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	0.0015 (J)	
6/12/2018		
6/13/2018		
6/14/2018	0.00096 (J)	
10/16/2018		
10/17/2018	<0.005	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	<0.005	
4/1/2019	0.00028 (J)	
4/2/2019		
9/23/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/24/2019		
9/25/2019	0.00085 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	0.00039 (J)	
3/18/2020		
3/19/2020	0.00036 (J)	
3/23/2020		
5/22/2020		0.001 (J)
5/25/2020		
6/23/2020		<0.005
7/28/2020		0.0011 (J)
9/2/2020		<0.005
9/3/2020		
9/23/2020		
9/24/2020		
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
2/16/2021		
2/17/2021		
2/18/2021		<0.005
2/19/2021	0.0011 (J)	
3/23/2021		
3/24/2021	0.002 (J)	0.002 (J)
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	0.0039 (J)	0.0034 (J)
8/19/2021		
2/9/2022		<0.005
2/10/2022		
2/11/2022	<0.005	
7/26/2022		<0.005
7/27/2022	0.0028 (J)	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.005	<0.005
1/27/2023		
8/15/2023		
8/16/2023	<0.005	<0.005
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.005	<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.0021 (J)
8/19/2024	0.0028 (J)	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.005	<0.005
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.005	<0.005							
6/8/2016			<0.005	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)		
6/9/2016								0.0012 (J)	0.0016
8/11/2016	<0.005	<0.005							
8/12/2016			<0.005	0.0008 (J)	0.0017 (J)				
8/15/2016									
8/18/2016						<0.005	0.0022 (J)	0.003 (J)	0.0054
10/7/2016	<0.005	<0.005	<0.005	<0.005					
10/10/2016					<0.005	<0.005	0.002 (J)	0.0021 (J)	0.0079
12/6/2016	<0.005	<0.005	<0.005						
12/7/2016				<0.005	<0.005			0.0023 (J)	0.0121
12/8/2016						<0.005	<0.005		
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005	<0.005					
2/17/2017					<0.005	<0.005	0.0023 (J)		
2/20/2017								0.0025 (J)	0.0063
3/27/2017									
4/17/2017									
4/18/2017	0.0007 (J)								
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)		
5/22/2017									
5/30/2017	0.0008 (J)	0.0006 (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)	0.0072
7/11/2017									
7/14/2017	0.0008 (J)	<0.005	<0.005	0.0006 (J)					
7/17/2017								0.0017 (J)	0.0031 (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	0.0014 (J)	0.00076 (J)	0.00066 (J)	0.00082 (J)					
3/28/2018					0.0018 (J)	0.0012 (J)			
3/29/2018							0.0037 (J)	0.0028 (J)	0.0075 (J)
6/12/2018	0.00073 (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)		
6/15/2018				0.00074 (J)					
10/17/2018		<0.005							
10/18/2018	<0.005		<0.005						
10/19/2018				<0.005		0.00059 (J)			
10/22/2018					<0.005		0.0016 (J)	0.0015 (J)	0.0027 (J)
2/25/2019	<0.005								
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)
4/2/2019	0.0003 (J)	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									
9/26/2019	0.00074 (J)	0.0008 (J)	0.00046 (J)	0.00067 (J)	0.00087 (J)				
9/27/2019							0.0013 (J)	0.00096 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/30/2019						<0.005			0.0027 (J)
2/20/2020	0.00042 (J)								
2/24/2020		<0.005	<0.005	<0.005	0.00057 (J)				
2/25/2020							0.0014 (J)	0.0012 (J)	
2/26/2020						0.00047 (J)			0.0013 (J)
3/19/2020	<0.005	<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									
3/25/2020									<0.005
9/24/2020	<0.005	<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				
2/18/2021	<0.005	<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									
3/8/2021									
3/24/2021	0.0013 (J)	0.0017 (J)	0.0014 (J)						
3/25/2021									
3/26/2021				<0.005				<0.005	<0.005
3/29/2021					<0.005	<0.005	<0.005		
8/18/2021	<0.005								
8/19/2021		0.0014 (J)	0.002 (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	<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)			
7/27/2022	<0.005	<0.005	<0.005	<0.005	<0.005				
7/28/2022						<0.005			
8/1/2022								0.0085	
8/2/2022							0.0033 (J)		<0.005
10/21/2022									0.003 (J)
1/26/2023	<0.005	<0.005	<0.005						
1/27/2023				<0.005		<0.005			
1/30/2023					<0.005				
2/1/2023									0.0042 (J)
2/2/2023								0.01	
2/7/2023							0.0028 (J)		
8/17/2023	<0.005	<0.005	<0.005						
8/18/2023				<0.005	0.0045 (J)				
8/21/2023									
8/22/2023							0.0095		
8/23/2023						<0.005		0.0062	
8/25/2023									0.0081
1/30/2024									0.0036 (J)
2/1/2024	0.0011 (J)	<0.005							
2/2/2024			<0.005	0.00086 (J)					
2/5/2024					0.0011 (J)	<0.005			
2/6/2024									
2/8/2024							0.0015 (J)	0.0024 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/19/2024	0.0031 (J)	0.0013 (J)	0.0012 (J)	0.0016 (J)					
8/20/2024					0.0076				
8/21/2024							0.009		0.0073
8/22/2024						<0.005		0.0046 (J)	
2/6/2025	<0.005				<0.005				
2/7/2025		<0.005	<0.005	<0.005					
2/10/2025						<0.005			
2/11/2025								<0.005	<0.005
2/13/2025							<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	0.0037	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.003 (J)	
8/18/2016		
10/7/2016		
10/10/2016	0.0026 (J)	
12/6/2016		
12/7/2016		
12/8/2016	<0.005	
1/23/2017		<0.005
2/7/2017		<0.005
2/16/2017		
2/17/2017		
2/20/2017	0.0029 (J)	
3/27/2017		0.0019 (J)
4/17/2017		0.0017 (J)
4/18/2017		
4/19/2017		
4/20/2017	0.0024 (J)	
5/22/2017		0.0034 (J)
5/30/2017		
6/1/2017	0.0025 (J)	
6/5/2017		0.0039 (J)
7/11/2017		0.0016 (J)
7/14/2017		
7/17/2017	0.0021 (J)	
7/18/2017		
7/19/2017		
8/23/2017		0.001 (J)
3/26/2018		0.0015 (J)
3/27/2018		
3/28/2018	0.0019 (J)	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	0.0022 (J)	
6/15/2018		0.00089 (J)
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	0.0026 (J)	0.00064 (J)
2/25/2019		
2/27/2019		
3/1/2019	0.0022 (J)	<0.005
4/2/2019		0.00024 (J)
4/3/2019		
4/4/2019	0.0016 (J)	
9/26/2019		
9/27/2019		0.00042 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/30/2019	0.002 (J)	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	0.0018 (J)	0.00053 (J)
3/19/2020		
3/20/2020		
3/23/2020		<0.005
3/24/2020	0.0013 (J)	
3/25/2020		
9/24/2020		
9/25/2020		<0.005
9/28/2020	0.0028 (J)	
2/18/2021		
2/19/2021		
2/23/2021	0.004 (J)	
3/8/2021		<0.005
3/24/2021		
3/25/2021		0.0015 (J)
3/26/2021	0.0025 (J)	
3/29/2021		
8/18/2021		
8/19/2021	0.0019 (J)	<0.005
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.005
2/15/2022		
2/16/2022	0.0055	
7/27/2022	0.0027 (J)	
7/28/2022		
8/1/2022		0.0034 (J)
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.005	
1/30/2023		
2/1/2023		0.0024 (J)
2/2/2023		
2/7/2023		
8/17/2023	<0.005	
8/18/2023		
8/21/2023		<0.005
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.005	
2/6/2024		0.001 (J)
2/8/2024		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/19/2024		
8/20/2024	0.0045 (J)	
8/21/2024		
8/22/2024		0.0033 (J)
2/6/2025		
2/7/2025		
2/10/2025	0.0013 (J)	<0.005
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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	
4/1/2021									
8/19/2021							<0.005		
8/20/2021	0.0054			0.0021 (J)		0.014			
8/23/2021					0.0018 (J)				
8/24/2021			0.017					0.0028 (J)	0.0021 (J)
8/25/2021		0.0029 (J)							
2/14/2022					<0.005		0.0036 (J)		
2/15/2022									
2/16/2022	0.007	0.0041 (J)	0.02					0.0052	0.0032 (J)
2/17/2022				0.0065		0.011			
7/28/2022	0.0051		0.015	<0.005		0.013			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							0.0025 (J)	0.0055	
1/27/2023	0.0035 (J)								
1/30/2023			0.014	0.005 (J)		0.0074			
1/31/2023		0.004 (J)							0.0022 (J)
2/1/2023					0.0032 (J)				
2/2/2023								0.0048 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							<0.005		
8/18/2023	0.0054	0.0039 (J)	0.016						<0.005
8/21/2023					0.0062		0.0051		
8/23/2023								0.01	
8/24/2023				0.016		0.0086			
1/30/2024					0.0017 (J)				
2/2/2024	0.0023 (J)								
2/5/2024			0.013						
2/6/2024							0.0016 (J)		
2/7/2024				0.0073		0.0075			0.00094 (J)
2/8/2024		0.0017 (J)						0.0012 (J)	
8/19/2024	0.0041 (J)								
8/20/2024			0.015		0.0042 (J)				0.0038 (J)
8/21/2024		0.0073							
8/22/2024				0.011		0.009	0.0056	0.0092	
2/5/2025					<0.005				
2/6/2025	0.003 (J)		0.015						
2/10/2025									<0.005
2/11/2025				0.0038 (J)		0.0041 (J)	<0.005		
2/12/2025		<0.005							
2/18/2025								<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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)	
9/3/2020		0.0023 (J)
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	0.0033 (J)	0.0068
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)	
4/1/2021		0.002 (J)
8/19/2021		
8/20/2021		0.0064
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		0.009
7/28/2022		0.0033 (J)
7/29/2022	0.0034 (J)	
8/2/2022		
1/27/2023		
1/30/2023		0.0088
1/31/2023		
2/1/2023	0.0084	
2/2/2023		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	0.011	
8/24/2023		0.0059
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	0.0023 (J)	0.004 (J)
2/8/2024		
8/19/2024		
8/20/2024		0.0059
8/21/2024	0.0081	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		0.0019 (J)
2/12/2025	<0.005	
2/18/2025		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.00099 (J)	0.0033 (J)						
1/28/2021					0.0012 (J)	0.00099 (J)		
2/18/2021		0.0078						
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)						
4/19/2021			0.0023 (J)	0.0032 (J)				
8/18/2021		0.0019 (J)		0.0018 (J)				
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)				
2/14/2022					<0.005	<0.005		
2/15/2022	0.0048 (J)							
2/17/2022			0.0057					
4/28/2022								<0.005
7/26/2022		0.0041 (J)		0.0035 (J)				
7/28/2022						<0.005		
8/1/2022	0.0045 (J)		0.0076		<0.005			
8/2/2022								0.0034 (J)
1/25/2023		0.0043 (J)		<0.005				
1/31/2023					<0.005	<0.005		
2/1/2023			0.0073					
2/2/2023								0.0037 (J)
2/7/2023	<0.005							
8/15/2023		0.0039 (J)		<0.005				
8/21/2023					0.0057			
8/22/2023			0.0097			0.005		
8/23/2023	0.0087							
1/30/2024	0.0034 (J)							
1/31/2024		0.004 (J)		0.0019 (J)				
2/5/2024					<0.005	<0.005		
2/6/2024			0.0022 (J)					
8/15/2024		0.0041 (J)						
8/16/2024				0.003 (J)				
8/20/2024					0.0033 (J)	<0.005		
8/21/2024	0.0072		0.0075					
8/22/2024								0.0058
12/3/2024							0.0071	
2/5/2025		0.0038 (J)		0.003 (J)				
2/6/2025					<0.005			
2/7/2025						<0.005		<0.005
2/10/2025			<0.005					
2/11/2025	<0.005							
2/12/2025							<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	0.2						0.034	0.015	
6/7/2016						0.0051			0.091
6/8/2016					0.048				
8/9/2016	0.188								
8/10/2016						0.0264		0.0142	
8/11/2016					0.0428		0.0305		
8/12/2016									
8/16/2016									0.0667
8/22/2016		0.0094 (J)							
10/3/2016	0.191								
10/4/2016		0.0188				0.0316		0.0137	
10/5/2016							0.0289		
10/6/2016					0.0404				
10/7/2016									0.0631
11/29/2016	0.201								
12/1/2016		0.0334						0.0144	
12/2/2016						0.026			
12/5/2016							0.0269		
12/6/2016					0.0385				0.0659
1/10/2017		0.0306							
2/13/2017	0.218								
2/14/2017		0.0247				0.0299		0.0114	
2/15/2017					0.039		0.0299		
2/16/2017									0.0621
4/13/2017	0.19							0.0115	
4/14/2017		0.0231				0.0275			
4/17/2017							0.0318		
4/18/2017					0.0392				0.0545
5/25/2017	0.193	0.0235						0.0122	
5/26/2017						0.0328	0.0341		
6/2/2017					0.0407				0.0555
7/7/2017	0.148							0.012	
7/10/2017		0.0207				0.0305			
7/11/2017							0.0355		
7/12/2017									0.0572
7/13/2017									
7/14/2017					0.0394				
3/26/2018	0.17	0.016				0.029			
3/27/2018					0.039		0.026		0.051
3/28/2018									
6/12/2018	0.18	0.018				0.031	0.024		
6/13/2018					0.038				
6/14/2018									0.053
10/16/2018	0.17	0.016				0.034		0.011	
10/17/2018							0.037		
10/18/2018					0.037				0.053
2/25/2019	0.16					0.03			
2/27/2019		0.013							
2/28/2019					0.041				0.053
4/1/2019	0.16	0.014				0.025	0.027		
4/2/2019					0.031			0.011	0.045
9/23/2019	0.21	0.016						0.012	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/24/2019					0.035	0.03	0.035		
9/25/2019									0.047
2/18/2020	0.15							0.012	
2/19/2020		0.013				0.032			
2/20/2020							0.025		0.049
2/21/2020					0.03				
2/24/2020									
3/18/2020	0.14	0.013				0.028			
3/19/2020					0.031		0.028	0.013	
3/23/2020									0.042
5/22/2020			0.046						
5/25/2020				0.12					
6/23/2020			0.065	0.067					
7/28/2020			0.081	0.098					
9/2/2020			0.058						
9/3/2020				0.067					
9/23/2020	0.14	0.014				0.029		0.01	
9/24/2020							0.031		0.041
9/25/2020					0.03				
10/1/2020			0.058	0.073					
11/10/2020			0.057	0.071					
12/15/2020			0.059	0.073					
1/20/2021			0.058	0.071					
2/16/2021	0.15	0.013				0.028			
2/17/2021			0.06	0.064			0.03		
2/18/2021					0.031			0.012	0.039
2/19/2021									
3/23/2021		0.013							
3/24/2021						0.027	0.026		
3/25/2021			0.057	0.091					
3/26/2021	0.14								
3/30/2021					0.035				0.041
3/31/2021								0.052	
8/16/2021	0.13	0.017	0.06	0.074				0.044	
8/18/2021						0.029	0.025		0.036
8/19/2021					0.028				
2/9/2022	0.12		0.057	0.054				0.043	
2/10/2022		0.011				0.027	0.026		
2/11/2022					0.029				0.044
7/26/2022	0.12	0.013	0.056	0.025		0.029	0.029	0.016	
7/27/2022									
7/28/2022					0.028				0.042
1/24/2023	0.1	0.012	0.059	0.024					
1/25/2023								0.064	
1/26/2023					0.029	0.029	0.027		
1/27/2023									0.04
8/15/2023			0.055					0.014	
8/16/2023		0.015		0.03		0.027			
8/17/2023					0.027		0.03		0.039
8/21/2023	0.11								
1/31/2024			0.054	0.052				0.055	
2/1/2024						0.027	0.027		0.038

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/2/2024					0.023				
2/5/2024		0.011							
2/8/2024	0.11								
8/15/2024			0.051	0.044				0.014	
8/16/2024					0.02	0.023			
8/19/2024							0.028		
8/20/2024									0.04
8/21/2024	0.1	0.011							
2/4/2025			0.057	0.045				0.043	
2/5/2025						0.027	0.028		
2/6/2025		0.013			0.025				0.043
2/10/2025	0.11								

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	0.027	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	0.026	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	0.0308	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	0.0258	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	0.029	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	0.0294	
5/25/2017		
5/26/2017		
6/2/2017	0.0354	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.0329	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	0.034	
6/12/2018		
6/13/2018		
6/14/2018	0.032	
10/16/2018		
10/17/2018	0.033	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	0.033	
4/1/2019	0.023	
4/2/2019		
9/23/2019		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/24/2019		
9/25/2019	0.035	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	0.033	
3/18/2020		
3/19/2020	0.034	
3/23/2020		
5/22/2020		0.036
5/25/2020		
6/23/2020		0.029
7/28/2020		0.049
9/2/2020		0.04
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	0.038	
10/1/2020		0.039
11/10/2020		0.037
12/15/2020		0.042
1/20/2021		0.042
2/16/2021		
2/17/2021		
2/18/2021		0.036
2/19/2021	0.043	
3/23/2021		
3/24/2021	0.039	0.032
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	0.042	0.04
8/19/2021		
2/9/2022		0.022
2/10/2022		
2/11/2022	0.043	
7/26/2022		0.038
7/27/2022	0.045	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.052	0.025
1/27/2023		
8/15/2023		
8/16/2023	0.049	0.041
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	0.055	0.034

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.034
8/19/2024	0.045	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	0.06	0.04
2/6/2025		
2/10/2025		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	0.027	0.017							
6/8/2016			0.039	0.036	0.036	0.054	0.092		
6/9/2016								0.11	0.14
8/11/2016	0.0292	0.0152							
8/12/2016			0.031	0.0412	0.0283				
8/15/2016									
8/18/2016						0.0479	0.0953	0.0893	0.113
10/7/2016	0.0295	0.0225	0.0427	0.0427					
10/10/2016					0.0288	0.0433	0.0954	0.0839	0.0888
12/6/2016	0.0367	0.0171	0.0398						
12/7/2016				0.0338	0.0279			0.0912	0.0289
12/8/2016						0.0474	0.0991		
1/23/2017									
2/7/2017									
2/16/2017	0.0315	0.0187	0.0309	0.0407					
2/17/2017					0.0316	0.0483	0.0927		
2/20/2017								0.0813	0.0999
3/27/2017									
4/17/2017									
4/18/2017	0.0272								
4/19/2017		0.0183	0.0325	0.042	0.0367	0.0486		0.087	0.114
4/20/2017							0.086		
5/22/2017									
5/30/2017	0.0316	0.0179							
6/1/2017			0.0331	0.0341	0.0361	0.0468			
6/5/2017							0.0875	0.084	0.135
7/11/2017									
7/14/2017	0.029	0.0191	0.0349	0.0405					
7/17/2017								0.0809	0.134
7/18/2017					0.0346	0.0494			
7/19/2017							0.0877		
8/23/2017									
3/26/2018									
3/27/2018	0.027	0.015	0.027	0.029					
3/28/2018					0.03	0.043			
3/29/2018							0.088	0.085	0.08
6/12/2018	0.029								
6/13/2018					0.031			0.091	0.1
6/14/2018		0.016	0.032			0.042	0.093		
6/15/2018				0.032					
10/17/2018		0.015							
10/18/2018	0.026		0.033						
10/19/2018				0.037		0.038			
10/22/2018					0.03		0.088	0.087	0.1
2/25/2019	0.028								
2/27/2019		0.014	0.027		0.032				
3/1/2019				0.028			0.087	0.097	0.12
4/2/2019	0.025	0.015	0.028						
4/3/2019				0.033	0.029	0.033	0.082	0.087	0.095
4/4/2019									
9/26/2019	0.031	0.023	0.042	0.049	0.032				
9/27/2019							0.095	0.11	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/30/2019						0.036			0.098
2/20/2020	0.026								
2/24/2020		0.014	0.028	0.024	0.033				
2/25/2020							0.062	0.12	
2/26/2020						0.024			0.1
3/19/2020	0.027	0.017							
3/20/2020			0.031	0.034		0.03	0.075		
3/23/2020					0.032			0.11	
3/24/2020									
3/25/2020									0.096
9/24/2020	0.028	0.022	0.031			0.031	0.093	0.12	
9/25/2020									0.088
9/28/2020				0.03	0.032				
2/18/2021	0.028	0.017	0.034	0.026	0.039				
2/19/2021						0.03	0.086	0.12	0.081
2/23/2021									
3/8/2021									
3/24/2021	0.028	0.018	0.031						
3/25/2021									
3/26/2021				0.028				0.12	0.075
3/29/2021					0.033	0.025	0.079		
8/18/2021	0.027								
8/19/2021		0.015	0.029						
8/20/2021				0.035	0.034	0.024			
8/23/2021							0.073	0.11	0.077
2/11/2022	0.03	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			
7/27/2022	0.033	0.015	0.029	0.039	0.032				
7/28/2022						0.025			
8/1/2022								0.099	
8/2/2022							0.074		0.022
10/21/2022									0.057
1/26/2023	0.033	0.015	0.034						
1/27/2023				0.023		0.021			
1/30/2023					0.036				
2/1/2023									0.052
2/2/2023								0.088	
2/7/2023							0.058		
8/17/2023	0.034	0.015	0.033						
8/18/2023				0.034	0.035				
8/21/2023									
8/22/2023							0.068		
8/23/2023						0.036		0.06	
8/25/2023									0.045
1/30/2024									0.042
2/1/2024	0.032	0.017							
2/2/2024			0.027	0.028					
2/5/2024					0.034	0.027			
2/6/2024									
2/8/2024							0.05	0.059	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/19/2024	0.026	0.014	0.032	0.039					
8/20/2024					0.032				
8/21/2024							0.055		0.035
8/22/2024						0.022		0.063	
2/6/2025	0.029				0.037				
2/7/2025		0.016	0.034	0.037					
2/10/2025						0.02			
2/11/2025								0.053	0.041
2/13/2025							0.046		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	0.038	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.0321	
8/18/2016		
10/7/2016		
10/10/2016	0.0283	
12/6/2016		
12/7/2016		
12/8/2016	0.0294	
1/23/2017		0.237
2/7/2017		0.191
2/16/2017		
2/17/2017		
2/20/2017	0.0275	
3/27/2017		0.197
4/17/2017		0.192
4/18/2017		
4/19/2017		
4/20/2017	0.0279	
5/22/2017		0.197
5/30/2017		
6/1/2017	0.0313	
6/5/2017		0.201
7/11/2017		0.179
7/14/2017		
7/17/2017	0.0251	
7/18/2017		
7/19/2017		
8/23/2017		0.15
3/26/2018		0.1
3/27/2018		
3/28/2018	0.018	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	0.019	
6/15/2018		0.087
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	0.018	0.1
2/25/2019		
2/27/2019		
3/1/2019	0.021	0.078
4/2/2019		0.075
4/3/2019		
4/4/2019	0.016	
9/26/2019		
9/27/2019		0.08

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/30/2019	0.016	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	0.015	0.062
3/19/2020		
3/20/2020		
3/23/2020		0.075
3/24/2020	0.015	
3/25/2020		
9/24/2020		
9/25/2020		0.07
9/28/2020	0.016	
2/18/2021		
2/19/2021		
2/23/2021	0.019	
3/8/2021		0.074
3/24/2021		
3/25/2021		0.06
3/26/2021	0.018	
3/29/2021		
8/18/2021		
8/19/2021	0.019	0.094
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		0.072
2/15/2022		
2/16/2022	0.019	
7/27/2022	0.016	
7/28/2022		
8/1/2022		0.061
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	0.015	
1/30/2023		
2/1/2023		0.062
2/2/2023		
2/7/2023		
8/17/2023	0.013	
8/18/2023		
8/21/2023		0.051
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	0.016	
2/6/2024		0.055
2/8/2024		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/19/2024		
8/20/2024	0.017	
8/21/2024		
8/22/2024		0.043
2/6/2025		
2/7/2025		
2/10/2025	0.015	0.042
2/11/2025		
2/13/2025		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 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		
9/3/2020									
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	
4/1/2021									
8/19/2021							0.14		
8/20/2021	0.041			0.069		0.09			
8/23/2021					0.066				
8/24/2021			0.048					0.065	0.053
8/25/2021		0.099							
2/14/2022					0.064		0.15		
2/15/2022									
2/16/2022	0.042	0.096	0.052					0.067	0.055
2/17/2022				0.071		0.087			
7/28/2022	0.039		0.051	0.06		0.094			0.047
7/29/2022		0.09			0.062				
8/2/2022							0.12	0.07	
1/27/2023	0.042								
1/30/2023			0.055	0.059		0.087			
1/31/2023		0.1							0.047
2/1/2023					0.058				
2/2/2023								0.039	
2/7/2023							0.11		
8/18/2023	0.041	0.079	0.052						0.038

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 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
8/21/2023					0.06		0.1		
8/23/2023								0.072	
8/24/2023				0.056		0.095			
1/30/2024					0.06				
2/2/2024	0.044								
2/5/2024			0.057						
2/6/2024							0.16		
2/7/2024				0.05		0.077			0.039
2/8/2024		0.086						0.043	
8/19/2024	0.035								
8/20/2024			0.056		0.054				0.034
8/21/2024		0.083							
8/22/2024				0.053		0.076	0.088	0.074	
2/5/2025					0.063				
2/6/2025	0.044		0.06						
2/10/2025									0.035
2/11/2025				0.053		0.079	0.085		
2/12/2025		0.085							
2/18/2025								0.027	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
9/3/2020		0.087
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	0.053	0.13
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	
4/1/2021		0.058
8/19/2021		
8/20/2021		0.12
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		0.12
7/28/2022		0.084
7/29/2022	0.06	
8/2/2022		
1/27/2023		
1/30/2023		0.13
1/31/2023		
2/1/2023	0.071	
2/2/2023		
2/7/2023		
8/18/2023		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/21/2023		
8/23/2023	0.065	
8/24/2023		0.074
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	0.072	0.06
2/8/2024		
8/19/2024		
8/20/2024		0.053
8/21/2024	0.07	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		0.047
2/12/2025	0.078	
2/18/2025		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.083	0.02						
1/28/2021					0.061	0.076		
2/18/2021		0.026						
2/23/2021					0.054	0.095		
3/8/2021	0.068							
3/29/2021	0.065							
3/30/2021					0.051	0.084		
3/31/2021		0.025						
4/19/2021			0.077	0.033				
8/18/2021		0.021		0.028				
8/23/2021	0.07				0.044	0.063		
8/24/2021			0.094					
2/9/2022		0.023		0.049				
2/14/2022					0.011	0.029		
2/15/2022	0.076							
2/17/2022			0.077					
4/28/2022								0.021
7/26/2022		0.022		0.051				
7/28/2022						0.021		
8/1/2022	0.066		0.062		0.0081			
8/2/2022								0.026
1/25/2023		0.012		0.067				
1/31/2023					0.011	0.032		
2/1/2023			0.055					
2/2/2023								0.022
2/7/2023	0.059							
8/15/2023		0.033		0.062				
8/21/2023					0.0094			
8/22/2023			0.074			0.029		
8/23/2023	0.062							
1/30/2024	0.072							
1/31/2024		0.036		0.055				
2/5/2024					0.0058	0.019		
2/6/2024			0.057					
8/15/2024		0.033						
8/16/2024				0.031				
8/20/2024					0.0057	0.019		
8/21/2024	0.056		0.069					
8/22/2024								0.033
12/3/2024							0.069	
2/5/2025		0.035		0.047				
2/6/2025					0.0055			
2/7/2025						0.019		0.025
2/10/2025			0.062					
2/11/2025	0.057							
2/12/2025							0.061	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.0005						<0.0005	<0.0005	
6/7/2016						<0.0005			<0.0005
6/8/2016					<0.0005				
8/9/2016	<0.0005								
8/10/2016						<0.0005		<0.0005	
8/11/2016					<0.0005		<0.0005		
8/12/2016									
8/16/2016									<0.0005
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005		<0.0005	
10/5/2016							<0.0005		
10/6/2016					<0.0005				
10/7/2016									<0.0005
11/29/2016	<0.0005								
12/1/2016		<0.0005						<0.0005	
12/2/2016						<0.0005			
12/5/2016							<0.0005		
12/6/2016					<0.0005				<0.0005
1/10/2017		<0.0005							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005		<0.0005	
2/15/2017					<0.0005		<0.0005		
2/16/2017									<0.0005
4/13/2017	<0.0005							<0.0005	
4/14/2017		<0.0005				<0.0005			
4/17/2017							<0.0005		
4/18/2017					<0.0005				<0.0005
5/25/2017	<0.0005	<0.0005						<0.0005	
5/26/2017						<0.0005	<0.0005		
6/2/2017					<0.0005				<0.0005
7/7/2017	<0.0005							<0.0005	
7/10/2017		<0.0005				<0.0005			
7/11/2017							<0.0005		
7/12/2017									<0.0005
7/13/2017									
7/14/2017					<0.0005				
3/26/2018	<0.0005	<0.0005				<0.0005			
3/27/2018					<0.0005		<0.0005		<0.0005
3/28/2018									
2/25/2019	<0.0005					<0.0005			
2/27/2019		<0.0005							
2/28/2019					<0.0005				<0.0005
4/1/2019	<0.0005	<0.0005				<0.0005	<0.0005		
4/2/2019					<0.0005			<0.0005	<0.0005
9/23/2019	<0.0005	<0.0005						<0.0005	
9/24/2019					<0.0005	<0.0005	<0.0005		
9/25/2019									<0.0005
2/18/2020	<0.0005							<0.0005	
2/19/2020		<0.0005				<0.0005			
2/20/2020							<0.0005		<0.0005
2/21/2020					<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/24/2020									
3/18/2020	<0.0005	<0.0005				<0.0005			
3/19/2020					<0.0005		<0.0005	<0.0005	
3/23/2020									<0.0005
5/22/2020			<0.0005						
5/25/2020				<0.0005					
6/23/2020			<0.0005	<0.0005					
7/28/2020			<0.0005	<0.0005					
9/2/2020			<0.0005						
9/3/2020				<0.0005					
9/23/2020	<0.0005	<0.0005				<0.0005		<0.0005	
9/24/2020							<0.0005		<0.0005
9/25/2020					<0.0005				
10/1/2020			<0.0005	5.7E-05 (J)					
11/10/2020			<0.0005	<0.0005					
12/15/2020			<0.0005	<0.0005					
1/20/2021			<0.0005	<0.0005					
2/16/2021	<0.0005	<0.0005				<0.0005			
2/17/2021			<0.0005	<0.0005			<0.0005		
2/18/2021					<0.0005			<0.0005	<0.0005
2/19/2021									
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				<0.0005
3/31/2021								<0.0005	
8/16/2021	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	
8/18/2021						<0.0005	<0.0005		<0.0005
8/19/2021					<0.0005				
2/9/2022	<0.0005		<0.0005	<0.0005				<0.0005	
2/10/2022		<0.0005				<0.0005	<0.0005		
2/11/2022					<0.0005				<0.0005
7/26/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
7/27/2022									
7/28/2022					<0.0005				<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	<0.0005		
1/27/2023									<0.0005
8/15/2023			<0.0005					<0.0005	
8/16/2023		<0.0005		<0.0005		<0.0005			
8/17/2023					<0.0005		<0.0005		<0.0005
8/21/2023	<0.0005								
1/31/2024			<0.0005	<0.0005				<0.0005	
2/1/2024						<0.0005	<0.0005		<0.0005
2/2/2024					<0.0005				
2/5/2024		<0.0005							
2/8/2024	<0.0005								
8/15/2024			<0.0005	<0.0005				<0.0005	
8/16/2024					<0.0005	<0.0005			
8/19/2024							<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/20/2024									<0.0005
8/21/2024	<0.0005	<0.0005							
2/4/2025			<0.0005	<0.0005				<0.0005	
2/5/2025						<0.0005	<0.0005		
2/6/2025		<0.0005			<0.0005				<0.0005
2/10/2025	<0.0005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.0005	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.0005	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.0005	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.0005	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.0005	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.0005	
5/25/2017		
5/26/2017		
6/2/2017	<0.0005	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.0005	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.0005	
2/25/2019		
2/27/2019		
2/28/2019	7.6E-05 (J)	
4/1/2019	<0.0005	
4/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	<0.0005	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/24/2020	<0.0005	
3/18/2020		
3/19/2020	<0.0005	
3/23/2020		
5/22/2020		<0.0005
5/25/2020		
6/23/2020		<0.0005
7/28/2020		<0.0005
9/2/2020		<0.0005
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	<0.0005	
10/1/2020		<0.0005
11/10/2020		<0.0005
12/15/2020		<0.0005
1/20/2021		<0.0005
2/16/2021		
2/17/2021		
2/18/2021		<0.0005
2/19/2021	4.6E-05 (J)	
3/23/2021		
3/24/2021	<0.0005	<0.0005
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.0005	<0.0005
8/19/2021		
2/9/2022		<0.0005
2/10/2022		
2/11/2022	<0.0005	
7/26/2022		<0.0005
7/27/2022	<0.0005	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.0005	<0.0005
1/27/2023		
8/15/2023		
8/16/2023	<0.0005	<0.0005
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.0005	<0.0005
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		<0.0005
8/19/2024	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.0005	<0.0005
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.0005	<0.0005							
6/8/2016			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
6/9/2016								<0.0005	<0.0005
8/11/2016	<0.0005	<0.0005							
8/12/2016			<0.0005	<0.0005	<0.0005				
8/15/2016									
8/18/2016						<0.0005	<0.0005	<0.0005	<0.0005
10/7/2016	<0.0005	<0.0005	<0.0005	<0.0005					
10/10/2016					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/6/2016	<0.0005	<0.0005	<0.0005						
12/7/2016				<0.0005	<0.0005			<0.0005	<0.0005
12/8/2016						<0.0005	<0.0005		
1/23/2017									
2/7/2017									
2/16/2017	<0.0005	<0.0005	<0.0005	<0.0005					
2/17/2017					<0.0005	<0.0005	<0.0005		
2/20/2017								<0.0005	<0.0005
3/27/2017									
4/17/2017									
4/18/2017	<0.0005								
4/19/2017		<0.0005	<0.0005	8E-05 (J)	<0.0005	<0.0005		<0.0005	<0.0005
4/20/2017							<0.0005		
5/22/2017									
5/30/2017	<0.0005	<0.0005							
6/1/2017			9E-05 (J)	7E-05 (J)	<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	<0.0005					
7/17/2017								<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	<0.0005					
3/28/2018					<0.0005	<0.0005			
3/29/2018							<0.0005	<0.0005	<0.0005
2/25/2019	8.7E-05 (J)								
2/27/2019		<0.0005	0.00011 (J)		<0.0005				
3/1/2019				<0.0005			0.00012 (J)	<0.0005	<0.0005
4/2/2019	6.3E-05 (J)	<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									
9/26/2019	8E-05 (J)	<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)
2/20/2020	0.00012 (J)								
2/24/2020		<0.0005	<0.0005	<0.0005	<0.0005				
2/25/2020							9.3E-05 (J)	<0.0005	
2/26/2020						<0.0005			0.0001 (J)
3/19/2020	0.00012 (J)	<0.0005							
3/20/2020			7.6E-05 (J)	<0.0005		<0.0005	8.8E-05 (J)		
3/23/2020					<0.0005			<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/24/2020									
3/25/2020									0.0001 (J)
9/24/2020	0.00011 (J)	5.4E-05 (J)	<0.0005			<0.0005	0.00012 (J)	5.4E-05 (J)	
9/25/2020									0.00013 (J)
9/28/2020				8.8E-05 (J)	<0.0005				
2/18/2021	0.00013 (J)	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	<0.0005				
2/19/2021						<0.0005	0.00013 (J)	<0.0005	0.00018 (J)
2/23/2021									
3/8/2021									
3/24/2021	0.00014 (J)	<0.0005	6.1E-05 (J)						
3/25/2021									
3/26/2021				5.5E-05 (J)				<0.0005	<0.0005
3/29/2021					<0.0005	<0.0005	0.00011 (J)		
8/18/2021	0.00013 (J)								
8/19/2021		6.1E-05 (J)	<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	0.00013 (J)	<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			
7/27/2022	0.00017 (J)	5.8E-05 (J)	<0.0005	6.1E-05 (J)	<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 (J)
1/26/2023	0.00015 (J)	<0.0005	0.0001 (J)						
1/27/2023				<0.0005		<0.0005			
1/30/2023					<0.0005				
2/1/2023									0.00031 (J)
2/2/2023								<0.0005	
2/7/2023							0.00013 (J)		
8/17/2023	0.00017 (J)	5.7E-05 (J)	<0.0005						
8/18/2023				<0.0005	<0.0005				
8/21/2023									
8/22/2023							0.00014 (J)		
8/23/2023						<0.0005		<0.0005	
8/25/2023									0.00024 (J)
1/30/2024									0.00028 (J)
2/1/2024	0.00022 (J)	<0.0005							
2/2/2024			<0.0005	<0.0005					
2/5/2024					<0.0005	<0.0005			
2/6/2024									
2/8/2024							0.00013 (J)	<0.0005	
8/19/2024	0.00023 (J)	<0.0005	<0.0005	<0.0005					
8/20/2024					<0.0005				
8/21/2024							0.00014 (J)		0.00024 (J)
8/22/2024						<0.0005		<0.0005	
2/6/2025	0.00034 (J)				<0.0005				
2/7/2025		<0.0005	<0.0005	<0.0005					
2/10/2025						<0.0005			
2/11/2025								<0.0005	0.00027 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/13/2025							<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.0005	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.0005	
8/18/2016		
10/7/2016		
10/10/2016	<0.0005	
12/6/2016		
12/7/2016		
12/8/2016	<0.0005	
1/23/2017		<0.0005
2/7/2017		<0.0005
2/16/2017		
2/17/2017		
2/20/2017	<0.0005	
3/27/2017		<0.0005
4/17/2017		<0.0005
4/18/2017		
4/19/2017		
4/20/2017	<0.0005	
5/22/2017		<0.0005
5/30/2017		
6/1/2017	<0.0005	
6/5/2017		<0.0005
7/11/2017		<0.0005
7/14/2017		
7/17/2017	<0.0005	
7/18/2017		
7/19/2017		
8/23/2017		<0.0005
3/26/2018		<0.0005
3/27/2018		
3/28/2018	<0.0005	
3/29/2018		
2/25/2019		
2/27/2019		
3/1/2019	<0.0005	<0.0005
4/2/2019		<0.0005
4/3/2019		
4/4/2019	<0.0005	
9/26/2019		
9/27/2019		<0.0005
9/30/2019	<0.0005	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.0005	<0.0005
3/19/2020		
3/20/2020		
3/23/2020		<0.0005

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/24/2020	<0.0005	
3/25/2020		
9/24/2020		
9/25/2020		<0.0005
9/28/2020	<0.0005	
2/18/2021		
2/19/2021		
2/23/2021	<0.0005	
3/8/2021		<0.0005
3/24/2021		
3/25/2021		<0.0005
3/26/2021	<0.0005	
3/29/2021		
8/18/2021		
8/19/2021	<0.0005	<0.0005
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.0005
2/15/2022		
2/16/2022	<0.0005	
7/27/2022	<0.0005	
7/28/2022		
8/1/2022		<0.0005
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.0005	
1/30/2023		
2/1/2023		<0.0005
2/2/2023		
2/7/2023		
8/17/2023	<0.0005	
8/18/2023		
8/21/2023		<0.0005
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.0005	
2/6/2024		<0.0005
2/8/2024		
8/19/2024		
8/20/2024	<0.0005	
8/21/2024		
8/22/2024		<0.0005
2/6/2025		
2/7/2025		
2/10/2025	<0.0005	<0.0005
2/11/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/13/2025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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	
4/1/2021									
8/19/2021							5.9E-05 (J)		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					<0.0005	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							5.4E-05 (J)	<0.0005	
1/27/2023	<0.0005								
1/30/2023			<0.0005	<0.0005		<0.0005			
1/31/2023		<0.0005							<0.0005
2/1/2023					<0.0005				
2/2/2023								<0.0005	
2/7/2023							8.7E-05 (J)		
8/18/2023	<0.0005	<0.0005	<0.0005						<0.0005
8/21/2023					<0.0005		<0.0005		
8/23/2023								<0.0005	
8/24/2023				<0.0005		<0.0005			
1/30/2024					<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/2/2024	<0.0005								
2/5/2024			<0.0005						
2/6/2024							<0.0005		
2/7/2024				<0.0005		<0.0005			<0.0005
2/8/2024		<0.0005						<0.0005	
8/19/2024	<0.0005								
8/20/2024			<0.0005		<0.0005				<0.0005
8/21/2024		<0.0005							
8/22/2024				<0.0005		<0.0005	<0.0005	<0.0005	
2/5/2025					<0.0005				
2/6/2025	<0.0005		<0.0005						
2/10/2025									<0.0005
2/11/2025				<0.0005		<0.0005	<0.0005		
2/12/2025		<0.0005							
2/18/2025								<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
9/3/2020		<0.0005
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.0005	<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	
4/1/2021		<0.0005
8/19/2021		
8/20/2021		<0.0005
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		<0.0005
7/28/2022		<0.0005
7/29/2022	<0.0005	
8/2/2022		
1/27/2023		
1/30/2023		<0.0005
1/31/2023		
2/1/2023	<0.0005	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	<0.0005	
8/24/2023		<0.0005
1/30/2024		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.0005	<0.0005
2/8/2024		
8/19/2024		
8/20/2024		<0.0005
8/21/2024	<0.0005	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.0005
2/12/2025	<0.0005	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	<0.0005	<0.0005						
1/28/2021					8.3E-05 (J)	<0.0005		
2/18/2021		<0.0005						
2/23/2021					0.00011 (J)	<0.0005		
3/8/2021	<0.0005							
3/29/2021	<0.0005							
3/30/2021					0.00021 (J)	5.2E-05 (J)		
3/31/2021		<0.0005						
4/19/2021			<0.0005	<0.0005				
8/18/2021		<0.0005		<0.0005				
8/23/2021	<0.0005				0.00013 (J)	<0.0005		
8/24/2021			<0.0005					
2/9/2022		<0.0005		<0.0005				
2/14/2022					7E-05 (J)	<0.0005		
2/15/2022	<0.0005							
2/17/2022			<0.0005					
4/28/2022								6.4E-05 (J)
7/26/2022		<0.0005		<0.0005				
7/28/2022						<0.0005		
8/1/2022	<0.0005		<0.0005		<0.0005			
8/2/2022								6.9E-05 (J)
1/25/2023		<0.0005		<0.0005				
1/31/2023					7.2E-05 (J)	<0.0005		
2/1/2023			<0.0005					
2/2/2023								7.2E-05 (J)
2/7/2023	<0.0005							
8/15/2023		<0.0005		<0.0005				
8/21/2023					<0.0005			
8/22/2023			<0.0005			<0.0005		
8/23/2023	<0.0005							
1/30/2024	<0.0005							
1/31/2024		<0.0005		<0.0005				
2/5/2024					<0.0005	<0.0005		
2/6/2024			<0.0005					
8/15/2024		<0.0005						
8/16/2024				<0.0005				
8/20/2024					<0.0005	<0.0005		
8/21/2024	<0.0005		<0.0005					
8/22/2024								<0.0005
12/3/2024							<0.0005	
2/5/2025		<0.0005		<0.0005				
2/6/2025					<0.0005			
2/7/2025						<0.0005		<0.0005
2/10/2025			<0.0005					
2/11/2025	<0.0005							
2/12/2025							<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.04						0.55	<0.04	
6/7/2016						0.02			0.37
6/8/2016					1.7				
8/9/2016	0.0336 (J)								
8/10/2016						0.117		0.0876 (J)	
8/11/2016					1.95		0.612		
8/12/2016									
8/16/2016									0.525
8/22/2016		0.0132 (J)							
10/3/2016	0.0226 (J)								
10/4/2016		0.0065 (J)				0.177		0.0145 (J)	
10/5/2016							0.659		
10/6/2016					2.06				
10/7/2016									0.492
11/29/2016	0.0085 (J)								
12/1/2016		<0.04						0.0146 (J)	
12/2/2016						0.0668			
12/5/2016							0.71		
12/6/2016					2.05				0.515
1/10/2017		<0.04							
2/13/2017	<0.04								
2/14/2017		<0.04				0.122		0.0114 (J)	
2/15/2017					2.01		0.707		
2/16/2017									0.482
4/13/2017	0.0084 (J)							0.0195 (J)	
4/14/2017		<0.04				0.054			
4/17/2017							0.675		
4/18/2017					2.58				0.515
5/25/2017	0.01 (J)	<0.04						0.0179 (J)	
5/26/2017						0.0817	0.711		
6/2/2017					2.22				0.513
7/7/2017	0.009 (J)							0.019 (J)	
7/10/2017		<0.04				0.0534			
7/11/2017							0.633		
7/12/2017									0.508
7/13/2017									
7/14/2017					1.85				
10/9/2017	0.0063 (J)							0.0271 (J)	
10/10/2017		<0.04				0.0515	0.619		
10/11/2017					1.72				0.486
6/12/2018	0.0058 (J)	0.0056 (J)				0.074	0.56		
6/13/2018					1.8				
6/14/2018									0.54
10/16/2018	0.0066 (J)	0.0071 (J)				0.16		0.0088 (J)	
10/17/2018							0.61		
10/18/2018					1.9				0.49
4/1/2019	0.0076 (J)	0.0048 (J)				0.046 (J)	0.5		
4/2/2019					1.4			0.037 (J)	0.51 (J)
5/2/2019	0.015 (J)								
9/23/2019	0.0069 (J)	0.0052 (J)						0.0099 (J)	
9/24/2019					1.6	0.06	0.51		
9/25/2019									0.49

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/18/2020								0.017 (J)	
2/19/2020		0.0057 (J)							
3/18/2020	0.016 (J)	0.0054 (J)				0.058 (J)			
3/19/2020					1.4		0.41	0.021 (J)	
3/23/2020									0.5
5/22/2020			0.024 (J)						
5/25/2020				0.018 (J)					
6/23/2020			0.019 (J)	0.015 (J)					
7/28/2020			0.03 (J)	0.024 (J)					
9/2/2020			0.022 (J)						
9/3/2020				0.022 (J)					
9/23/2020	0.0086 (J)	<0.04				0.054 (J)		0.0081 (J)	
9/24/2020							0.44		0.47
9/25/2020					1.3				
10/1/2020			0.025 (J)	0.027 (J)					
11/10/2020			0.025 (J)	0.032 (J)					
12/15/2020			0.031 (J)	0.034 (J)					
1/20/2021			0.022 (J)	0.034 (J)					
3/23/2021		<0.04							
3/24/2021						0.04 (J)	0.45		
3/25/2021			0.017 (J)	0.026 (J)					
3/26/2021	0.0094 (J)								
3/30/2021					1.4				0.56
3/31/2021								0.013 (J)	
8/16/2021	0.013 (J)	<0.04	0.021 (J)	0.034 (J)				0.012 (J)	
8/18/2021						0.093	0.47		0.51
8/19/2021					1.3				
2/9/2022	0.0099 (J)		0.017 (J)	0.038 (J)				0.019 (J)	
2/10/2022		0.012 (J)				0.051	0.46		
2/11/2022					1.2				0.5
7/26/2022	0.014 (J)	0.013 (J)	0.022 (J)	0.017 (J)		0.052	0.47	0.017 (J)	
7/27/2022									
7/28/2022					1.1				0.52
1/24/2023	0.01 (J)	<0.04	0.016 (J)	0.014 (J)					
1/25/2023								0.02 (J)	
1/26/2023					1	0.051	0.41		
1/27/2023									0.53
8/15/2023			0.034 (J)					0.012 (J)	
8/16/2023		<0.04		0.01 (J)		0.034 (J)			
8/17/2023					1		0.56		0.57
8/21/2023	<0.04								
1/31/2024			0.023 (J)	0.024 (J)				0.024 (J)	
2/1/2024						0.04 (J)	0.48		0.51
2/2/2024					0.85				
2/5/2024		<0.04							
2/8/2024	0.022 (J)								
8/15/2024			0.014 (J)	0.016 (J)				<0.04	
8/16/2024					0.77	0.023 (J)			
8/19/2024							0.5		
8/20/2024									0.5
8/21/2024	0.013 (J)	<0.04							
2/4/2025			0.022 (J)	0.022 (J)				0.009 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/5/2025						0.029 (J)	0.52		
2/6/2025		<0.04			0.83				0.51
2/10/2025	0.018 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	1.1	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	0.867	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	0.863	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	0.879	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	0.886	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	0.941	
5/25/2017		
5/26/2017		
6/2/2017	1.02	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.945	
7/14/2017		
10/9/2017		
10/10/2017	0.908	
10/11/2017		
6/12/2018		
6/13/2018		
6/14/2018	1	
10/16/2018		
10/17/2018	1	
10/18/2018		
4/1/2019	0.86 (J)	
4/2/2019		
5/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	1.1	

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/18/2020		
2/19/2020		
3/18/2020		
3/19/2020	1	
3/23/2020		
5/22/2020		0.54
5/25/2020		
6/23/2020		0.45
7/28/2020		0.97
9/2/2020		1.1
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	1	
10/1/2020		1.2
11/10/2020		1.1
12/15/2020		1.2
1/20/2021		1.1
3/23/2021		
3/24/2021	1.2	0.6
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	1.2	1.3
8/19/2021		
2/9/2022		0.57
2/10/2022		
2/11/2022	1.2	
7/26/2022		1.3
7/27/2022	1.2	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	1.3	0.69
1/27/2023		
8/15/2023		
8/16/2023	1.4	1.7
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	1.6	1.7
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		1.7
8/19/2024	1.5	
8/20/2024		
8/21/2024		
2/4/2025		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/5/2025	1.9	1.7
2/6/2025		
2/10/2025		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	1.7	1.5							
6/8/2016			1.2	0.49	2.6	0.12	7.6		
6/9/2016								12	26
8/11/2016	1.37	1.41							
8/12/2016			0.895	0.647	2.74				
8/15/2016									
8/18/2016						0.191	8.37	5.2	22
10/7/2016	1.49	1.76	1.33	0.868					
10/10/2016					3	0.13	9.46	6.13	18.1
12/6/2016	1.65	1.79	1.5						
12/7/2016				0.51	3.08			5.7	9.19
12/8/2016						0.144	11.1		
1/23/2017									
2/7/2017									
2/16/2017	1.73	1.63	0.753	0.68					
2/17/2017					3.63	0.0685	12.2		
2/20/2017								5.7	31.4
3/27/2017									
4/17/2017									
4/18/2017	1.77								
4/19/2017		1.47	0.762	0.701	4.68	0.0743		8.79	31.4
4/20/2017							13.3		
5/22/2017									
5/30/2017	1.52	1.7							
6/1/2017			0.663	0.383	3.57	0.0499			
6/5/2017							9.19	6.39	29
7/11/2017									
7/14/2017	1.26	1.26	0.787	0.645					
7/17/2017								7.06	33.8
7/18/2017					3.37	0.0544			
7/19/2017							10.6		
8/23/2017									
10/10/2017									
10/11/2017	1.36	1.37	0.889	0.594	3.54			7.18	31.7
10/12/2017						0.0494	12.7		
6/12/2018	1.3								
6/13/2018					3.6			8.3	30.1
6/14/2018		1.4	0.75			0.035 (J)	11		
6/15/2018				0.44					
10/17/2018		1.4							
10/18/2018	1.3		0.8						
10/19/2018				0.65		0.028 (J)			
10/22/2018					3.6		16.1	9	44.7
4/2/2019	1.1	0.95 (J)	0.56 (J)						
4/3/2019				0.51	2.6	0.12	7.9	6.5	23.3
4/4/2019									
5/2/2019							10.1		
9/26/2019	1.5	2.5	1.1	0.96	4.4				
9/27/2019							16.4	12	
9/30/2019						0.04 (J)			36.8
2/25/2020							11.2		
2/26/2020									

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/19/2020	1.3	1							
3/20/2020			0.53	0.29		0.03 (J)	11.1		
3/23/2020					3.5			13	
3/24/2020									
3/25/2020									34.5
9/24/2020	1.3	1.5	0.72			0.037 (J)	18.8	13.7	
9/25/2020									30.8
9/28/2020				0.4	3.7				
3/24/2021	1.3	1.1	0.5						
3/25/2021									
3/26/2021				0.24				15.8	31
3/29/2021					4.1	0.038 (J)	17.3		
7/19/2021							17.8	14	24
7/20/2021									
8/18/2021	1.5								
8/19/2021		1.3	0.57						
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	1.5	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			
7/27/2022	1.7	1.2	0.53	0.43	3.8				
7/28/2022						0.035 (J)			
8/1/2022								14.8	
8/2/2022							21.5		0.52
10/21/2022									19.7
1/26/2023	1.6	1	0.45						
1/27/2023				0.18		0.026 (J)			
1/30/2023					4.7				
2/1/2023									18.4
2/2/2023								13.1	
2/7/2023							16.9		
8/17/2023	1.9	1.3	0.64						
8/18/2023				0.39	4.8				
8/21/2023									
8/22/2023							19.6		
8/23/2023						0.026 (J)		8.7	
8/25/2023									16.9
1/30/2024									15.7
2/1/2024	2.2	1.2							
2/2/2024			0.41	0.22					
2/5/2024					5.9	0.039 (J)			
2/6/2024									
2/8/2024							17.5	10.1	
8/19/2024	2.5	1.3	0.53	0.58					
8/20/2024					5.3				
8/21/2024							12		15.9
8/22/2024						0.028 (J)		10.7	
2/6/2025	2.7				5.4				
2/7/2025		1.2	0.5	0.4					

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/10/2025						0.025 (J)			
2/11/2025								6.7	12.5
2/13/2025							13.2		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	0.029 (J)	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.0228 (J)	
8/18/2016		
10/7/2016		
10/10/2016	0.0305 (J)	
12/6/2016		
12/7/2016		
12/8/2016	0.0164 (J)	
1/23/2017		18.6
2/7/2017		20.4
2/16/2017		
2/17/2017		
2/20/2017	0.0154 (J)	
3/27/2017		19.1
4/17/2017		21.8
4/18/2017		
4/19/2017		
4/20/2017	0.0283 (J)	
5/22/2017		26
5/30/2017		
6/1/2017	0.0467	
6/5/2017		18.6
7/11/2017		25
7/14/2017		
7/17/2017	0.0171 (J)	
7/18/2017		
7/19/2017		
8/23/2017		20.2
10/10/2017		17
10/11/2017	0.0141 (J)	
10/12/2017		
6/12/2018		
6/13/2018		
6/14/2018	0.017 (J)	
6/15/2018		8.5
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	0.03 (J)	9.5
4/2/2019		6.1 (J)
4/3/2019		
4/4/2019	0.02 (J)	
5/2/2019		
9/26/2019		
9/27/2019		2.4
9/30/2019	0.038 (J)	
2/25/2020		
2/26/2020		1.5

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/19/2020		
3/20/2020		
3/23/2020		2.4
3/24/2020	0.032 (J)	
3/25/2020		
9/24/2020		
9/25/2020		2.1
9/28/2020	0.049 (J)	
3/24/2021		
3/25/2021		1.1
3/26/2021	0.17	
3/29/2021		
7/19/2021		
7/20/2021		1.4
8/18/2021		
8/19/2021	0.038 (J)	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	0.048	
7/27/2022	0.051	
7/28/2022		
8/1/2022		2.7
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	0.029 (J)	
1/30/2023		
2/1/2023		3.2
2/2/2023		
2/7/2023		
8/17/2023	0.075	
8/18/2023		
8/21/2023		2.3
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	0.097	
2/6/2024		2.9
2/8/2024		
8/19/2024		
8/20/2024	0.27	
8/21/2024		
8/22/2024		1.4
2/6/2025		
2/7/2025		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/10/2025	0.16	1.1
2/11/2025		
2/13/2025		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							7.8		
9/3/2020									
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	
4/1/2021									
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	

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							1.8		
8/18/2023	0.87	2.1	0.47						2.4
8/21/2023					4.2		4.1		
8/23/2023								10.5	
8/24/2023				12.3		1.6			
1/30/2024					4.6				
2/2/2024	0.7								
2/5/2024			0.38						
2/6/2024							9.9		
2/7/2024				15.4		1.6			2.5
2/8/2024		2.1						7.4	
8/19/2024	0.68								
8/20/2024			0.5		4				2
8/21/2024		1.5							
8/22/2024				12.7		1.5	9.3	11.2	
2/5/2025					4 (J)				
2/6/2025	0.74		0.46						
2/10/2025									1.9
2/11/2025				12		1.5	10		
2/12/2025		0.86							
2/18/2025								3.5	

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		2.4
5/20/2020		2.2
9/2/2020	0.91	
9/3/2020		1.6
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	
4/1/2021		1.9
8/19/2021		
8/20/2021		1.9
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		1.9
7/28/2022		1.9
7/29/2022	1.3	
8/2/2022		
1/27/2023		
1/30/2023		1.7
1/31/2023		
2/1/2023	1.5	
2/2/2023		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	1.4	
8/24/2023		1.8
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	1.8	1.9
2/8/2024		
8/19/2024		
8/20/2024		1.6
8/21/2024	1.8	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		1.7
2/12/2025	1.7	
2/18/2025		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	14.1	0.12						
5/20/2020	15.9							
9/3/2020	14.6	0.083 (J)						
1/28/2021					24.9	9.7		
2/23/2021					24.3	10.7		
3/29/2021	12.8							
3/30/2021					23.3	9.7		
3/31/2021		0.038 (J)						
4/19/2021			7.8	0.16				
7/20/2021	12.2							
8/18/2021		0.048		0.041				
8/23/2021	13.3				21.1	7.7		
8/24/2021			8					
2/9/2022		0.033 (J)		0.034 (J)				
2/14/2022					4.5	1.2		
2/15/2022	14.4							
2/17/2022			7.5					
4/28/2022								0.89
7/26/2022		0.036 (J)		0.035 (J)				
7/28/2022						0.87		
8/1/2022	14.4		7.5		2.9			
8/2/2022								1.4
1/25/2023		0.053		0.045				
1/31/2023					2.4	1.1		
2/1/2023			7.5					
2/2/2023								1
2/7/2023	6.9							
8/15/2023		0.03 (J)		0.04 (J)				
8/21/2023					3.1			
8/22/2023			8			1.9		
8/23/2023	12							
1/30/2024	12.6							
1/31/2024		0.035 (J)		0.049				
2/5/2024					1.3	0.77		
2/6/2024			8.7					
8/15/2024		0.018 (J)						
8/16/2024				0.025 (J)				
8/20/2024					1.4	0.45		
8/21/2024	10.5		7.7					
8/22/2024								3.2
12/3/2024							3.7	
2/5/2025		0.023 (J)		0.051				
2/6/2025					1.1			
2/7/2025						0.72		1.7
2/10/2025			8					
2/11/2025	11.9							
2/12/2025							3.2	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.0005						<0.0005	<0.0005	
6/7/2016						<0.0005			<0.0005
6/8/2016					<0.0005				
8/9/2016	<0.0005								
8/10/2016						<0.0005		<0.0005	
8/11/2016					<0.0005		<0.0005		
8/12/2016									
8/16/2016									<0.0005
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005		<0.0005	
10/5/2016							<0.0005		
10/6/2016					<0.0005				
10/7/2016									<0.0005
11/29/2016	<0.0005								
12/1/2016		<0.0005						<0.0005	
12/2/2016						<0.0005			
12/5/2016							<0.0005		
12/6/2016					<0.0005				<0.0005
1/10/2017		9E-05 (J)							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005		<0.0005	
2/15/2017					<0.0005		<0.0005		
2/16/2017									<0.0005
4/13/2017	<0.0005							<0.0005	
4/14/2017		<0.0005				<0.0005			
4/17/2017							<0.0005		
4/18/2017					<0.0005				<0.0005
5/25/2017	<0.0005	<0.0005						<0.0005	
5/26/2017						<0.0005	<0.0005		
6/2/2017					<0.0005				<0.0005
7/7/2017	<0.0005							<0.0005	
7/10/2017		<0.0005				<0.0005			
7/11/2017							<0.0005		
7/12/2017									<0.0005
7/13/2017									
7/14/2017					<0.0005				
3/26/2018	<0.0005	<0.0005				<0.0005			
3/27/2018					<0.0005		<0.0005		<0.0005
3/28/2018									
6/12/2018	<0.0005	<0.0005				<0.0005	<0.0005		
6/13/2018					<0.0005				
6/14/2018									<0.0005
10/16/2018	<0.0005	<0.0005				<0.0005		<0.0005	
10/17/2018							<0.0005		
10/18/2018					<0.0005				<0.0005
2/25/2019	<0.0005					<0.0005			
2/27/2019		<0.0005							
2/28/2019					<0.0005				<0.0005
4/1/2019	<0.0005	<0.0005				<0.0005	<0.0005		
4/2/2019					<0.0005			<0.0005	<0.0005
9/23/2019	<0.0005	<0.0005						<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/24/2019					<0.0005	<0.0005	<0.0005		
9/25/2019									<0.0005
2/18/2020	<0.0005							<0.0005	
2/19/2020		<0.0005				<0.0005			
2/20/2020							<0.0005		<0.0005
2/21/2020					<0.0005				
2/24/2020									
3/18/2020	<0.0005	<0.0005				<0.0005			
3/19/2020					<0.0005		<0.0005	<0.0005	
3/23/2020									<0.0005
5/22/2020			<0.0005						
5/25/2020				<0.0005					
6/23/2020			<0.0005	<0.0005					
7/28/2020			<0.0005	<0.0005					
9/2/2020			<0.0005						
9/3/2020				<0.0005					
9/23/2020	<0.0005	<0.0005				<0.0005		<0.0005	
9/24/2020							<0.0005		<0.0005
9/25/2020					<0.0005				
10/1/2020			<0.0005	<0.0005					
11/10/2020			<0.0005	<0.0005					
12/15/2020			<0.0005	<0.0005					
1/20/2021			<0.0005	<0.0005					
2/16/2021	<0.0005	<0.0005				<0.0005			
2/17/2021			<0.0005	<0.0005			<0.0005		
2/18/2021					<0.0005			<0.0005	<0.0005
2/19/2021									
3/23/2021		<0.0005							
3/24/2021						<0.0005	<0.0005		
3/25/2021			<0.0005	<0.0005					
3/26/2021	0.00018 (J)								
3/30/2021					<0.0005				<0.0005
3/31/2021								<0.0005	
8/16/2021	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	
8/18/2021						<0.0005	<0.0005		<0.0005
8/19/2021					<0.0005				
2/9/2022	<0.0005		<0.0005	<0.0005				<0.0005	
2/10/2022		<0.0005				<0.0005	<0.0005		
2/11/2022					<0.0005				<0.0005
7/26/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
7/27/2022									
7/28/2022					<0.0005				<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	<0.0005		
1/27/2023									<0.0005
8/15/2023			<0.0005					<0.0005	
8/16/2023		<0.0005		<0.0005		<0.0005			
8/17/2023					<0.0005		<0.0005		<0.0005
8/21/2023	<0.0005								
1/31/2024			<0.0005	<0.0005				<0.0005	
2/1/2024						<0.0005	<0.0005		<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/2/2024					<0.0005				
2/5/2024		<0.0005							
2/8/2024	<0.0005								
8/15/2024			<0.0005	<0.0005				<0.0005	
8/16/2024					<0.0005	<0.0005			
8/19/2024							<0.0005		
8/20/2024									<0.0005
8/21/2024	<0.0005	<0.0005							
2/4/2025			<0.0005	<0.0005				<0.0005	
2/5/2025						<0.0005	<0.0005		
2/6/2025		<0.0005			<0.0005				<0.0005
2/10/2025	<0.0005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.0005	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.0005	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.0005	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.0005	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.0005	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.0005	
5/25/2017		
5/26/2017		
6/2/2017	<0.0005	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.0005	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.0005	
6/12/2018		
6/13/2018		
6/14/2018	<0.0005	
10/16/2018		
10/17/2018	<0.0005	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	<0.0005	
4/1/2019	<0.0005	
4/2/2019		
9/23/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/24/2019		
9/25/2019	<0.0005	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	<0.0005	
3/18/2020		
3/19/2020	<0.0005	
3/23/2020		
5/22/2020		<0.0005
5/25/2020		
6/23/2020		<0.0005
7/28/2020		<0.0005
9/2/2020		0.00014 (J)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	<0.0005	
10/1/2020		0.00019 (J)
11/10/2020		0.00019 (J)
12/15/2020		0.00017 (J)
1/20/2021		<0.0005
2/16/2021		
2/17/2021		
2/18/2021		<0.0005
2/19/2021	<0.0005	
3/23/2021		
3/24/2021	<0.0005	0.00016 (J)
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.0005	0.00021 (J)
8/19/2021		
2/9/2022		0.00021 (J)
2/10/2022		
2/11/2022	<0.0005	
7/26/2022		0.0004 (J)
7/27/2022	<0.0005	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.0005	<0.0005
1/27/2023		
8/15/2023		
8/16/2023	<0.0005	0.00057
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.0005	0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.00078
8/19/2024	<0.0005	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.0005	0.00073
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	0.0011 (J)	<0.0005							
6/8/2016			0.00063 (J)	<0.0005	<0.0005	<0.0005	<0.0005		
6/9/2016								<0.0005	0.00052 (J)
8/11/2016	0.0011	0.0001 (J)							
8/12/2016			0.0004 (J)	<0.0005	<0.0005				
8/15/2016									
8/18/2016						<0.0005	<0.0005	<0.0005	0.0009 (J)
10/7/2016	0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)					
10/10/2016					<0.0005	<0.0005	<0.0005	<0.0005	0.0017
12/6/2016	0.0012	0.0001 (J)	0.0006 (J)						
12/7/2016				<0.0005	<0.0005			<0.0005	0.0004 (J)
12/8/2016						<0.0005	0.0002 (J)		
1/23/2017									
2/7/2017									
2/16/2017	0.0015	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
3/27/2017									
4/17/2017									
4/18/2017	0.0012								
4/19/2017		0.0001 (J)	9E-05 (J)	<0.0005	<0.0005	<0.0005		<0.0005	0.0035
4/20/2017							<0.0005		
5/22/2017									
5/30/2017	0.0011	0.0002 (J)							
6/1/2017			0.0003 (J)	0.0001 (J)	<0.0005	<0.0005			
6/5/2017							<0.0005	<0.0005	0.0035
7/11/2017									
7/14/2017	0.0012	0.0002 (J)	0.0002 (J)	<0.0005					
7/17/2017								<0.0005	0.0037
7/18/2017					<0.0005	<0.0005			
7/19/2017							<0.0005		
8/23/2017									
3/26/2018									
3/27/2018	0.0013	<0.0005	<0.0005	<0.0005					
3/28/2018					<0.0005	<0.0005			
3/29/2018							<0.0005	<0.0005	0.0063
6/12/2018	0.0011								
6/13/2018					<0.0005			<0.0005	0.0053
6/14/2018		0.00015 (J)	<0.0005			<0.0005	<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		<0.0005			
10/22/2018					<0.0005		<0.0005	<0.0005	0.0053
2/25/2019	0.0016								
2/27/2019		<0.0005	<0.0005		<0.0005				
3/1/2019				<0.0005			0.00013 (J)	0.00019 (J)	0.0058
4/2/2019	0.0014	<0.0005	7.3E-05 (J)						
4/3/2019				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0053
4/4/2019									
9/26/2019	0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005				
9/27/2019							<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/30/2019						<0.0005			0.0075
2/20/2020	0.0019 (J)								
2/24/2020		<0.0005	0.00024 (J)	<0.0005	<0.0005				
2/25/2020							<0.0005	<0.0005	
2/26/2020						<0.0005			0.0064
3/19/2020	0.0017 (J)	<0.0005							
3/20/2020			<0.0005	<0.0005		<0.0005	<0.0005		
3/23/2020					<0.0005			<0.0005	
3/24/2020									
3/25/2020									0.0082
9/24/2020	0.0018 (J)	0.00024 (J)	<0.0005			<0.0005	0.00033 (J)	<0.0005	
9/25/2020									0.0081
9/28/2020				<0.0005	<0.0005				
2/18/2021	0.0018	<0.0005	<0.0005	<0.0005	<0.0005				
2/19/2021						<0.0005	0.00038 (J)	<0.0005	0.0068
2/23/2021									
3/8/2021									
3/24/2021	0.0018	<0.0005	<0.0005						
3/25/2021									
3/26/2021				<0.0005				<0.0005	0.0062
3/29/2021					<0.0005	<0.0005	<0.0005		
8/18/2021	0.0018								
8/19/2021		0.00017 (J)	<0.0005						
8/20/2021				<0.0005	<0.0005	<0.0005			
8/23/2021							0.00019 (J)	<0.0005	0.0039
2/11/2022	0.0019	0.00016 (J)							
2/14/2022								<0.0005	
2/15/2022							0.0002 (J)		0.0042
2/16/2022			<0.0005	<0.0005	<0.0005	<0.0005			
7/27/2022	0.0024	0.00029 (J)	<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
1/26/2023	0.0021	<0.0005	<0.0005						
1/27/2023				<0.0005		<0.0005			
1/30/2023					<0.0005				
2/1/2023									0.0032
2/2/2023								<0.0005	
2/7/2023							0.001		
8/17/2023	0.002	0.00028 (J)	<0.0005						
8/18/2023				<0.0005	<0.0005				
8/21/2023									
8/22/2023							0.00091		
8/23/2023						<0.0005		<0.0005	
8/25/2023									0.0033
1/30/2024									0.0022
2/1/2024	0.0024	0.00023 (J)							
2/2/2024			<0.0005	<0.0005					
2/5/2024					<0.0005	<0.0005			
2/6/2024									
2/8/2024							0.0014	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/19/2024	0.0022	0.00031 (J)	<0.0005	<0.0005					
8/20/2024					<0.0005				
8/21/2024							0.0009		0.0017
8/22/2024						<0.0005		<0.0005	
2/6/2025	0.0035				<0.0005				
2/7/2025		0.00019 (J)	<0.0005	<0.0005					
2/10/2025						<0.0005			
2/11/2025								<0.0005	0.0017
2/13/2025							0.0013		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.0005	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.0005	
8/18/2016		
10/7/2016		
10/10/2016	<0.0005	
12/6/2016		
12/7/2016		
12/8/2016	<0.0005	
1/23/2017		0.0003 (J)
2/7/2017		0.0006 (J)
2/16/2017		
2/17/2017		
2/20/2017	<0.0005	
3/27/2017		0.0003 (J)
4/17/2017		0.0002 (J)
4/18/2017		
4/19/2017		
4/20/2017	<0.0005	
5/22/2017		0.0003 (J)
5/30/2017		
6/1/2017	<0.0005	
6/5/2017		0.0003 (J)
7/11/2017		0.0005 (J)
7/14/2017		
7/17/2017	<0.0005	
7/18/2017		
7/19/2017		
8/23/2017		0.0004 (J)
3/26/2018		<0.0005
3/27/2018		
3/28/2018	<0.0005	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	<0.0005	
6/15/2018		0.0002 (J)
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	<0.0005	<0.0005
2/25/2019		
2/27/2019		
3/1/2019	<0.0005	<0.0005
4/2/2019		7.9E-05 (J)
4/3/2019		
4/4/2019	<0.0005	
9/26/2019		
9/27/2019		<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/30/2019	<0.0005	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.0005	<0.0005
3/19/2020		
3/20/2020		
3/23/2020		<0.0005
3/24/2020	<0.0005	
3/25/2020		
9/24/2020		
9/25/2020		<0.0005
9/28/2020	<0.0005	
2/18/2021		
2/19/2021		
2/23/2021	<0.0005	
3/8/2021		<0.0005
3/24/2021		
3/25/2021		<0.0005
3/26/2021	<0.0005	
3/29/2021		
8/18/2021		
8/19/2021	<0.0005	<0.0005
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.0005
2/15/2022		
2/16/2022	<0.0005	
7/27/2022	<0.0005	
7/28/2022		
8/1/2022		<0.0005
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.0005	
1/30/2023		
2/1/2023		<0.0005
2/2/2023		
2/7/2023		
8/17/2023	<0.0005	
8/18/2023		
8/21/2023		<0.0005
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.0005	
2/6/2024		<0.0005
2/8/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/19/2024		
8/20/2024	<0.0005	
8/21/2024		
8/22/2024		<0.0005
2/6/2025		
2/7/2025		
2/10/2025	<0.0005	<0.0005
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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)	
4/1/2021									
8/19/2021							<0.0005		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					0.00031 (J)	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					0.00012 (J)	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							<0.0005	<0.0005	
1/27/2023	<0.0005								
1/30/2023			<0.0005	<0.0005		<0.0005			
1/31/2023		<0.0005							<0.0005
2/1/2023					<0.0005				
2/2/2023								<0.0005	
2/7/2023							<0.0005		
8/18/2023	<0.0005	<0.0005	<0.0005						<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 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
8/21/2023					<0.0005		<0.0005		
8/23/2023								0.00017 (J)	
8/24/2023				<0.0005		<0.0005			
1/30/2024					<0.0005				
2/2/2024	<0.0005								
2/5/2024			<0.0005						
2/6/2024							<0.0005		
2/7/2024				<0.0005		<0.0005			<0.0005
2/8/2024		<0.0005						<0.0005	
8/19/2024	<0.0005								
8/20/2024			<0.0005		<0.0005				<0.0005
8/21/2024		<0.0005							
8/22/2024				<0.0005		<0.0005	0.00016 (J)	0.00011 (J)	
2/5/2025					<0.0005				
2/6/2025	<0.0005		<0.0005						
2/10/2025									<0.0005
2/11/2025				<0.0005		<0.0005	0.00044 (J)		
2/12/2025		<0.0005							
2/18/2025								<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
9/3/2020		<0.0005
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.0005	<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	
4/1/2021		<0.0005
8/19/2021		
8/20/2021		<0.0005
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		<0.0005
7/28/2022		<0.0005
7/29/2022	<0.0005	
8/2/2022		
1/27/2023		
1/30/2023		<0.0005
1/31/2023		
2/1/2023	<0.0005	
2/2/2023		
2/7/2023		
8/18/2023		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/21/2023		
8/23/2023	<0.0005	
8/24/2023		<0.0005
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.0005	<0.0005
2/8/2024		
8/19/2024		
8/20/2024		<0.0005
8/21/2024	<0.0005	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.0005
2/12/2025	<0.0005	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.0011 (J)	<0.0005						
1/28/2021					0.00031 (J)	0.00025 (J)		
2/18/2021		<0.0005						
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)		
3/31/2021		<0.0005						
4/19/2021			<0.0005	<0.0005				
8/18/2021		<0.0005		<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				
2/14/2022					<0.0005	<0.0005		
2/15/2022	0.0015							
2/17/2022			<0.0005					
4/28/2022								<0.0005
7/26/2022		<0.0005		<0.0005				
7/28/2022						<0.0005		
8/1/2022	0.0011		<0.0005		<0.0005			
8/2/2022								0.00015 (J)
1/25/2023		<0.0005		<0.0005				
1/31/2023					<0.0005	<0.0005		
2/1/2023			<0.0005					
2/2/2023								<0.0005
2/7/2023	0.00014 (J)							
8/15/2023		<0.0005		<0.0005				
8/21/2023					<0.0005			
8/22/2023			<0.0005			<0.0005		
8/23/2023	0.00029 (J)							
1/30/2024	0.00034 (J)							
1/31/2024		<0.0005		<0.0005				
2/5/2024					<0.0005	<0.0005		
2/6/2024			<0.0005					
8/15/2024		<0.0005						
8/16/2024				<0.0005				
8/20/2024					<0.0005	<0.0005		
8/21/2024	0.00044 (J)		<0.0005					
8/22/2024								0.0002 (J)
12/3/2024							<0.0005	
2/5/2025		<0.0005		<0.0005				
2/6/2025					<0.0005			
2/7/2025						<0.0005		<0.0005
2/10/2025			<0.0005					
2/11/2025	0.00043 (J)							
2/12/2025							<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	39						66	59	
6/7/2016						7.9			50
6/8/2016					140				
8/9/2016	32.2								
8/10/2016						36.8		56	
8/11/2016					141		65.2		
8/12/2016									
8/16/2016									49.2
8/22/2016		21.4							
10/3/2016	34.1								
10/4/2016		20.9				39.7		51.4	
10/5/2016							66.7		
10/6/2016					147				
10/7/2016									52.6
11/29/2016	29.7								
12/1/2016		19.8						55.9	
12/2/2016						37.8			
12/5/2016							74.6		
12/6/2016					146				55.4
1/10/2017		20.4							
2/13/2017	31.2								
2/14/2017		20.9				35.2		51.1	
2/15/2017					163		74.6		
2/16/2017									53.2
4/13/2017	30.5							53.4	
4/14/2017		20.7 (J)				37.5			
4/17/2017							65.6		
4/18/2017					155				58
5/25/2017	33.8	22.8 (J)						59.8	
5/26/2017						41.7	70.4		
6/2/2017					156				55.8
7/7/2017	33.1							57.8	
7/10/2017		22.3				39			
7/11/2017							66.9		
7/12/2017									58.1
7/13/2017									
7/14/2017					157				
10/9/2017	33.6							58.9	
10/10/2017		4.09				36.9	61.7		
10/11/2017					137				55.7
6/12/2018	32.4	20.3 (J)				38.1	53.4		
6/13/2018					151				
6/14/2018									58.4
10/16/2018	34.6	19.4 (J)				44.8		55.6	
10/17/2018							63		
10/18/2018					154				57.8
4/1/2019	48.2	24.6				47.2	59.3		
4/2/2019					140			64.1	57.8
5/2/2019	44.8								
9/23/2019	36.3	19.2						57.9	
9/24/2019					151	42.4	57.6		
9/25/2019									58.1

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/18/2020								66.3	
2/19/2020		20.8							
3/18/2020	40.1	22.4				43			
3/19/2020					142		61.5	67.8	
3/23/2020									61.1
5/22/2020			74						
5/25/2020				36.5					
6/23/2020			99.5	39.4					
7/28/2020			96.2	40.3					
9/2/2020			109						
9/3/2020				51.8					
9/23/2020	45.2	20.1				41.6		67.3	
9/24/2020							59		58.8
9/25/2020					138				
10/1/2020			107	61.9					
11/10/2020			117	80.3					
12/15/2020			110	70.3					
1/20/2021			111	67.5					
3/23/2021		22.1							
3/24/2021						42.1	59.9		
3/25/2021			109	68.3					
3/26/2021	46.7								
3/30/2021					145				61.3
3/31/2021								63.4	
8/16/2021	48.3	21.5	108	61				66.2	
8/18/2021						44.5	63		61.1
8/19/2021					141				
2/9/2022	52.3		112	46.3				65.7	
2/10/2022		20.3				44.9	65.6		
2/11/2022					148				66.2
7/26/2022	46.7	20	105	34.5		41.8	66.3	66.1	
7/27/2022									
7/28/2022					136				63
1/24/2023	51.4	21	109	40.7					
1/25/2023								68.4	
1/26/2023					146	42.8	62.4		
1/27/2023									64
8/15/2023			102					61.4	
8/16/2023		20.9		37.7		38.8			
8/17/2023					125		66.9		62.2
8/21/2023	49.5								
1/31/2024			102	38.7				65.9	
2/1/2024						39.9	60.1		62.8
2/2/2024					119				
2/5/2024		20.5							
2/8/2024	48.6								
8/15/2024			105	40.6				64.7	
8/16/2024					120	42.8			
8/19/2024							74.8		
8/20/2024									73.1
8/21/2024	54.8	23.1							
2/4/2025			108	42.6				72.4	

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/5/2025						44.5	72.8		
2/6/2025		23			125				71.4
2/10/2025	50.1								

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	90	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	76.6	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	78.7	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	80.9	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	90.7	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	94.8	
5/25/2017		
5/26/2017		
6/2/2017	108	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	111	
7/14/2017		
10/9/2017		
10/10/2017	93	
10/11/2017		
6/12/2018		
6/13/2018		
6/14/2018	109	
10/16/2018		
10/17/2018	110	
10/18/2018		
4/1/2019	94.8	
4/2/2019		
5/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	115	

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/18/2020		
2/19/2020		
3/18/2020		
3/19/2020	120	
3/23/2020		
5/22/2020		73.4
5/25/2020		
6/23/2020		80.1
7/28/2020		140
9/2/2020		159
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	135	
10/1/2020		162
11/10/2020		170
12/15/2020		169
1/20/2021		157
3/23/2021		
3/24/2021	144	91.9
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	156	166
8/19/2021		
2/9/2022		97.5
2/10/2022		
2/11/2022	164	
7/26/2022		185
7/27/2022	175	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	178	117
1/27/2023		
8/15/2023		
8/16/2023	178	196
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	194	177
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		227
8/19/2024	204	
8/20/2024		
8/21/2024		
2/4/2025		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/5/2025	224	215
2/6/2025		
2/10/2025		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	120	65							
6/8/2016			76	55	200	43	350		
6/9/2016								300	800
8/11/2016	111	61							
8/12/2016			61.7	61.2	196				
8/15/2016									
8/18/2016						38.6	370	290	730
10/7/2016	103	71	84.7	70.2					
10/10/2016					198	37.5	375	296	680
12/6/2016	117	68.7	88.1						
12/7/2016				48.6	215			271	387
12/8/2016						43.4	434		
1/23/2017									
2/7/2017									
2/16/2017	124	65.5	53.7	64.7					
2/17/2017					221	41	434		
2/20/2017								323	823
3/27/2017									
4/17/2017									
4/18/2017	120								
4/19/2017		68.9	57.1	69.5	240	39.4		298	893 (J)
4/20/2017							422		
5/22/2017									
5/30/2017	111	72.6							
6/1/2017			44.8	50.8	286	42.3			
6/5/2017							398	310	1080
7/11/2017									
7/14/2017	109	70.6	60	67					
7/17/2017								319	1120
7/18/2017					244	40.9			
7/19/2017							461		
8/23/2017									
10/10/2017									
10/11/2017	109	67.3	67	57.3	222			438	1310
10/12/2017						43.3	515		
6/12/2018	104								
6/13/2018					234			385	970
6/14/2018		65.7	53.1			39.4	482		
6/15/2018				49.7					
10/17/2018		69.7							
10/18/2018	112		60.4						
10/19/2018				63.1		40.6			
10/22/2018					241		575	424	1150
4/2/2019	117	63.9	53.3						
4/3/2019				51.3	220	43.4	458	396	945
4/4/2019									
5/2/2019							647		
9/26/2019	136	94.2	91.7	80.8	243				
9/27/2019							658	533	
9/30/2019						43.2			1050
2/25/2020							445		
2/26/2020									

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/19/2020	130	68.1							
3/20/2020			49.3	52.1		48.2	514		
3/23/2020					253			602	
3/24/2020									
3/25/2020									1100
9/24/2020	141	84.9	68.7			42	750	647	
9/25/2020									998
9/28/2020				50.1	273				
3/24/2021	140	72	48.2						
3/25/2021									
3/26/2021				46.4				717	821
3/29/2021					296	46.6	714		
7/19/2021							693	728	717
7/20/2021									
8/18/2021	139								
8/19/2021		74	49.2						
8/20/2021				47.2	262	45.1			
8/23/2021							681	638	827
11/1/2021							708	695	808
2/11/2022	160	83.5							
2/14/2022								740	
2/15/2022							680		791
2/16/2022			49	60.5	288	44.1			
7/27/2022	194	80.9	65.9	63.2	284				
7/28/2022						43.1			
8/1/2022								559	
8/2/2022							717		90
10/21/2022									600
1/26/2023	178	76.2	41.4						
1/27/2023				39.3		46.5			
1/30/2023					309				
2/1/2023									552
2/2/2023								543	
2/7/2023							583		
8/17/2023	187	75.4	57						
8/18/2023				56.5	309				
8/21/2023									
8/22/2023							793		
8/23/2023						43.9		332	
8/25/2023									486
1/30/2024									413
2/1/2024	203	79.9							
2/2/2024			44.9	51.7					
2/5/2024					309	45.9			
2/6/2024									
2/8/2024							561	347	
8/19/2024	233	96	68.4	84.7					
8/20/2024					345				
8/21/2024							710		352
8/22/2024						47.9		391	
2/6/2025	221				327				
2/7/2025		86.6	52	70.6					

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/10/2025						45.6			
2/11/2025								280	377
2/13/2025							427		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	32	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	33.1	
8/18/2016		
10/7/2016		
10/10/2016	41	
12/6/2016		
12/7/2016		
12/8/2016	38.5	
1/23/2017		372
2/7/2017		351
2/16/2017		
2/17/2017		
2/20/2017	40.7	
3/27/2017		417
4/17/2017		415
4/18/2017		
4/19/2017		
4/20/2017	40.7	
5/22/2017		885
5/30/2017		
6/1/2017	44.2	
6/5/2017		413
7/11/2017		449
7/14/2017		
7/17/2017	41.9	
7/18/2017		
7/19/2017		
8/23/2017		409
10/10/2017		339
10/11/2017	41.1	
10/12/2017		
6/12/2018		
6/13/2018		
6/14/2018	44.8	
6/15/2018		198
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	52.2	230
4/2/2019		181
4/3/2019		
4/4/2019	54.8	
5/2/2019		
9/26/2019		
9/27/2019		103
9/30/2019	47.8	
2/25/2020		
2/26/2020		85.3

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/19/2020		
3/20/2020		
3/23/2020		107
3/24/2020	49.6	
3/25/2020		
9/24/2020		
9/25/2020		93.3
9/28/2020	50.7	
3/24/2021		
3/25/2021		81.1
3/26/2021	52.8	
3/29/2021		
7/19/2021		
7/20/2021		87.8
8/18/2021		
8/19/2021	51.2	109
8/20/2021		
8/23/2021		
11/1/2021		108
2/11/2022		
2/14/2022		129
2/15/2022		
2/16/2022	51.4	
7/27/2022	52.1	
7/28/2022		
8/1/2022		111
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	48.8	
1/30/2023		
2/1/2023		113
2/2/2023		
2/7/2023		
8/17/2023	48.1	
8/18/2023		
8/21/2023		98.8
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	57.6	
2/6/2024		109
2/8/2024		
8/19/2024		
8/20/2024	72	
8/21/2024		
8/22/2024		69.5
2/6/2025		
2/7/2025		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/10/2025	66	69.4
2/11/2025		
2/13/2025		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							228		
9/3/2020									
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	
4/1/2021									
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	

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							61.3		
8/18/2023	74.5	172	113						114
8/21/2023					159		110		
8/23/2023								495	
8/24/2023				584		120			
1/30/2024					166				
2/2/2024	79.3								
2/5/2024			129						
2/6/2024							221		
2/7/2024				636		113			116
2/8/2024		152						264	
8/19/2024	78.7								
8/20/2024			142		158				127
8/21/2024		159							
8/22/2024				589		109	240	526	
2/5/2025					161				
2/6/2025	86.9		138						
2/10/2025									114
2/11/2025				554		124	236		
2/12/2025		133							
2/18/2025								135	

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		109
5/20/2020		76.6
9/2/2020	159	
9/3/2020		100
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	
4/1/2021		94
8/19/2021		
8/20/2021		99.7
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		98.4
7/28/2022		93.4
7/29/2022	202	
8/2/2022		
1/27/2023		
1/30/2023		92.5
1/31/2023		
2/1/2023	228	
2/2/2023		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	220	
8/24/2023		88.4
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	241	81.2
2/8/2024		
8/19/2024		
8/20/2024		95.7
8/21/2024	231	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		87.4
2/12/2025	260	
2/18/2025		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	361	51.1						
5/20/2020	335							
9/3/2020	383	50.2						
1/28/2021					624	350		
2/23/2021					674	379		
3/29/2021	326							
3/30/2021					562	353		
3/31/2021		50.9						
4/19/2021			204	50.8				
7/20/2021	297							
8/18/2021		54.2		56.7				
8/23/2021	349				561	286		
8/24/2021			238					
2/9/2022		49.1		60.3				
2/14/2022					155	72.8		
2/15/2022	344							
2/17/2022			239					
4/28/2022								96.9
7/26/2022		49.7		61.1				
7/28/2022						52.3		
8/1/2022	350		236		112			
8/2/2022								125
1/25/2023		24.3		65				
1/31/2023					111	62.8		
2/1/2023			236					
2/2/2023								96.8
2/7/2023	184							
8/15/2023		25.3		68.8				
8/21/2023					123			
8/22/2023			219			85.7		
8/23/2023	314							
1/30/2024	290							
1/31/2024		29.5		67.8				
2/5/2024					73.1	57.8		
2/6/2024			213					
8/15/2024		36.4						
8/16/2024				66.4				
8/20/2024					84.2	53.4		
8/21/2024	279		213					
8/22/2024								205
12/3/2024							228	
2/5/2025		44.6		75				
2/6/2025					79.3			
2/7/2025						60.5		141
2/10/2025			226					
2/11/2025	316							
2/12/2025							198	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	2.9						27	5.6	
6/7/2016						2			19
6/8/2016					11				
8/9/2016	2.5								
8/10/2016						2.1		5.3	
8/11/2016					11		30		
8/12/2016									
8/16/2016									20
8/22/2016		4.2							
10/3/2016	2.5								
10/4/2016		2.1				2.3		5.6	
10/5/2016							36		
10/6/2016					11				
10/7/2016									21
11/29/2016	2.6								
12/1/2016		1.8						6.2	
12/2/2016						2.1			
12/5/2016							40		
12/6/2016					11				22
1/10/2017		1.6							
2/13/2017	2.1								
2/14/2017		1.9				2		8.8	
2/15/2017					12		38		
2/16/2017									22
4/13/2017	2.1							10	
4/14/2017		1.5				1.7			
4/17/2017							35		
4/18/2017					12				21
5/25/2017	2.4	1.5						11	
5/26/2017						1.6	35		
6/2/2017					11				20
7/7/2017	1.9							12	
7/10/2017		1.6				1.5			
7/11/2017							33		
7/12/2017									23
7/13/2017									
7/14/2017					11				
10/9/2017	1.9							18	
10/10/2017		1.7				1.9	35		
10/11/2017					12				24
6/12/2018	3.4	1.8				2.3	21.3		
6/13/2018					10.8				
6/14/2018									23.1
10/16/2018	3.3	1.5				2.6		10.7	
10/17/2018							29.4		
10/18/2018					11.7				26.9
4/1/2019	4.2	1.6				1.8	13.4		
4/2/2019					9.4			9	24.1
5/2/2019	4.3								
9/23/2019	3.1	1.2						8.6	
9/24/2019					8	1.5	13.2		
9/25/2019									25.1

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/18/2020								8.2	
2/19/2020		1.3							
3/18/2020	3.1	1.4				1.5			
3/19/2020					8.4		7.3	7.8	
3/23/2020									20.8
5/22/2020			6.6						
5/25/2020				4					
6/23/2020			5.9	5.5					
7/28/2020			5.9	4.6					
9/2/2020			6						
9/3/2020				6.3					
9/23/2020	4.2	1.1				1.5		8.4	
9/24/2020							9.2		25.4
9/25/2020					13.1				
10/1/2020			6	7.5					
11/10/2020			5.5	7.7					
12/15/2020			6.3	8					
1/20/2021			5.7	7.2					
3/23/2021		1.2							
3/24/2021						1.5	8		
3/25/2021			5.7	7.5					
3/26/2021	3.6								
3/30/2021					8.8				23.8
3/31/2021								13.4	
8/16/2021	3.4	1.1	5.7	8				15.6	
8/18/2021						1.7	8.5		25.1
8/19/2021					7.6				
2/9/2022	3.7		5.4	8.9				10.1	
2/10/2022		1.2				1.6	8.9		
2/11/2022					8				28.2
7/26/2022	3.2	0.97 (J)	5.5	4.6		1.6	10.9	8.5	
7/27/2022									
7/28/2022					8.9				30
1/24/2023	3.4	1.5	5.2	4.3					
1/25/2023								10.1	
1/26/2023					7.5	1.7	7.5		
1/27/2023									28.2
8/15/2023			4.9					8	
8/16/2023		1.3		4.3		1.7			
8/17/2023					8		10.7		29.2
8/21/2023	2.9								
1/31/2024			4.7	7.3				7.8	
2/1/2024						1.5	9.3		30.1
2/2/2024					6.5				
2/5/2024		1.1							
2/8/2024	3.2								
8/15/2024			4.5	6.1				7.9	
8/16/2024					6.7	1.6			
8/19/2024							11.7		
8/20/2024									29.8
8/21/2024	3.4	1.2							
2/4/2025			4.6	5.8				7	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/5/2025						1.4	9.6		
2/6/2025		0.96 (J)			6.1				28.6
2/10/2025	3.1								

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	44	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	43	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	41	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	41	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	39	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	39	
5/25/2017		
5/26/2017		
6/2/2017	37	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	38	
7/14/2017		
10/9/2017		
10/10/2017	38	
10/11/2017		
6/12/2018		
6/13/2018		
6/14/2018	30.5	
10/16/2018		
10/17/2018	30.7	
10/18/2018		
4/1/2019	24.1	
4/2/2019		
5/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	23.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/18/2020		
2/19/2020		
3/18/2020		
3/19/2020	20.5	
3/23/2020		
5/22/2020		32
5/25/2020		
6/23/2020		15.7
7/28/2020		20.6
9/2/2020		18.9
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	20.2	
10/1/2020		18.6
11/10/2020		19.6
12/15/2020		20.7
1/20/2021		21.9
3/23/2021		
3/24/2021	18.4	14.1
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	15.8	17.1
8/19/2021		
2/9/2022		10.8
2/10/2022		
2/11/2022	16.4	
7/26/2022		19.6
7/27/2022	16.2	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	14.5	10.9
1/27/2023		
8/15/2023		
8/16/2023	13.7	18.2
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	14.2	17.3
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		19.7
8/19/2024	14.3	
8/20/2024		
8/21/2024		
2/4/2025		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/5/2025	13.2	20.6
2/6/2025		
2/10/2025		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	37	26							
6/8/2016			48	23	130	7.1	440		
6/9/2016								480	1900
8/11/2016	41	34							
8/12/2016			27	26	130				
8/15/2016									
8/18/2016						6.9	500	400	1600
10/7/2016	44	38	72	41					
10/10/2016					140	7.1	480	390	1400
12/6/2016	48	45	73						
12/7/2016				23	130			450	970
12/8/2016						6.3	540		
1/23/2017									
2/7/2017									
2/16/2017	46	40	19	31					
2/17/2017					140	5.6	570		
2/20/2017								470	1900
3/27/2017									
4/17/2017									
4/18/2017	41								
4/19/2017		38	13	30	140	5		420	1900
4/20/2017							740		
5/22/2017									
5/30/2017	38	41							
6/1/2017			8	13	130	4.9			
6/5/2017							530	450	1900
7/11/2017									
7/14/2017	35	36	11	19					
7/17/2017								470	2100
7/18/2017					140	4.2			
7/19/2017							540		
8/23/2017									
10/10/2017									
10/11/2017	36	45	24	19	130			510	1600
10/12/2017						4.8	700		
6/12/2018	27.2								
6/13/2018					150			598	1880
6/14/2018		33.3	7.3			3.3	725		
6/15/2018				9.3					
10/17/2018		41.8							
10/18/2018	25.2		10.9						
10/19/2018				15.3		4.1			
10/22/2018					149		827	639	2050
4/2/2019	20.3	18.7	4.5						
4/3/2019				9.7	144	5	856	679	1890
4/4/2019									
5/2/2019							999		
9/26/2019	28.7	47.1	60.5	26	128				
9/27/2019							996	918	
9/30/2019						4.7			2040
2/25/2020							547		
2/26/2020									

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/19/2020	22	21.9							
3/20/2020			5.3	6.6		4.2	665		
3/23/2020					125			788	
3/24/2020									
3/25/2020									1670
9/24/2020	28.8	50.1	30.3			4	1050	988	
9/25/2020									1640
9/28/2020				8.6	152				
3/24/2021	24	35.6	6.1						
3/25/2021									
3/26/2021				5.8				928	1240
3/29/2021					131	5	886		
7/19/2021							579	570	575
7/20/2021									
8/18/2021	19.9								
8/19/2021		38.2	10.4						
8/20/2021				4.4	144	4.4			
8/23/2021							879	898	1250
11/1/2021							744	688	661
2/11/2022	22.3	38.5							
2/14/2022								925	
2/15/2022							789		1120
2/16/2022			7.7	6.7	141	4			
7/27/2022	23.1	43.2	14.9	7.8	169				
7/28/2022						4.7			
8/1/2022								794	
8/2/2022							828		17.1
10/21/2022									836
1/26/2023	18.3	34	5.9						
1/27/2023				3.1		6.1			
1/30/2023					156				
2/1/2023									789
2/2/2023								737	
2/7/2023							803		
8/17/2023	18.2	39.5	12.6						
8/18/2023				5.9	145				
8/21/2023									
8/22/2023							1020		
8/23/2023						5		439	
8/25/2023									641
1/30/2024									533
2/1/2024	18.5	41.8							
2/2/2024			5.3	3.5					
2/5/2024					140	5.2			
2/6/2024									
2/8/2024							679	493	
8/19/2024	16.3	41.7	7	<1					
8/20/2024					135				
8/21/2024							815		352
8/22/2024						5.2		482	
2/6/2025	13.1				118				
2/7/2025		35.9	5.6	6.5					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/10/2025						4.7			
2/11/2025								277	352
2/13/2025							381		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	6.4	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	4.3	
8/18/2016		
10/7/2016		
10/10/2016	3.5	
12/6/2016		
12/7/2016		
12/8/2016	2.8	
1/23/2017		780
2/7/2017		780
2/16/2017		
2/17/2017		
2/20/2017	4.2	
3/27/2017		790
4/17/2017		770
4/18/2017		
4/19/2017		
4/20/2017	4.1	
5/22/2017		890
5/30/2017		
6/1/2017	4.4	
6/5/2017		870
7/11/2017		840
7/14/2017		
7/17/2017	5	
7/18/2017		
7/19/2017		
8/23/2017		800
10/10/2017		730
10/11/2017	4.1	
10/12/2017		
6/12/2018		
6/13/2018		
6/14/2018	3.4	
6/15/2018		390
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	3.9	400
4/2/2019		333
4/3/2019		
4/4/2019	3.8	
5/2/2019		
9/26/2019		
9/27/2019		143
9/30/2019	5.2	
2/25/2020		
2/26/2020		100

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/19/2020		
3/20/2020		
3/23/2020		117
3/24/2020	3.6	
3/25/2020		
9/24/2020		
9/25/2020		127
9/28/2020	5.6	
3/24/2021		
3/25/2021		85.5
3/26/2021	5.7	
3/29/2021		
7/19/2021		
7/20/2021		95.3
8/18/2021		
8/19/2021	5.1	117
8/20/2021		
8/23/2021		
11/1/2021		133
2/11/2022		
2/14/2022		146
2/15/2022		
2/16/2022	5.7	
7/27/2022	6.2	
7/28/2022		
8/1/2022		114
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	5.4	
1/30/2023		
2/1/2023		154
2/2/2023		
2/7/2023		
8/17/2023	11.4	
8/18/2023		
8/21/2023		97.6
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	17.6	
2/6/2024		123
2/8/2024		
8/19/2024		
8/20/2024	34	
8/21/2024		
8/22/2024		72.4
2/6/2025		
2/7/2025		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/10/2025	24.2	63.2
2/11/2025		
2/13/2025		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							309		
9/3/2020									
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	
4/1/2021									
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	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							93.7		
8/18/2023	30.3	193	43.1						94.2
8/21/2023					225		153		
8/23/2023								551	
8/24/2023				740		157			
1/30/2024					240				
2/2/2024	28.9								
2/5/2024			46.2						
2/6/2024							317		
2/7/2024				868		143			97.3
2/8/2024		196						284	
8/19/2024	29.2								
8/20/2024			49.8		208				80.3
8/21/2024		172							
8/22/2024				731		141	281	569	
2/5/2025					196				
2/6/2025	28.7		48.5						
2/10/2025									79.1
2/11/2025				474		136	258		
2/12/2025		148							
2/18/2025								83.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		84.6
5/20/2020		73.4
9/2/2020	210	
9/3/2020		115
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	
4/1/2021		98.2
8/19/2021		
8/20/2021		131
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		126
7/28/2022		117
7/29/2022	381	
8/2/2022		
1/27/2023		
1/30/2023		122
1/31/2023		
2/1/2023	393	
2/2/2023		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	353	
8/24/2023		90.6
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	406	80.7
2/8/2024		
8/19/2024		
8/20/2024		84.9
8/21/2024	395	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		68
2/12/2025	369	
2/18/2025		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	535	12.7						
5/20/2020	550							
9/3/2020	564	18.6						
1/28/2021					835	484		
2/23/2021					845	489		
3/29/2021	443							
3/30/2021					772	472		
3/31/2021		21.9						
4/19/2021			419	25.6				
7/20/2021	384							
8/18/2021		12.8		10				
8/23/2021	478				756	384		
8/24/2021			433					
2/9/2022		17		15.3				
2/14/2022					128	46.8		
2/15/2022	496							
2/17/2022			410					
4/28/2022								13.1
7/26/2022		14.7		18.2				
7/28/2022						33.9		
8/1/2022	487		415		95.4			
8/2/2022								18.2
1/25/2023		13.5		27.6				
1/31/2023					85.6	41.5		
2/1/2023			468					
2/2/2023								12.6
2/7/2023	226							
8/15/2023		9.3		23.8				
8/21/2023					108			
8/22/2023			421			64.6		
8/23/2023	396							
1/30/2024	446							
1/31/2024		9.9		25.6				
2/5/2024					42.6	34		
2/6/2024			442					
8/15/2024		9.7						
8/16/2024				11.6				
8/20/2024					41.9	15.4		
8/21/2024	394		412					
8/22/2024								24.7
12/3/2024							43.8	
2/5/2025		9.2		20				
2/6/2025					34.5			
2/7/2025						31.3		16.2
2/10/2025			377					
2/11/2025	345							
2/12/2025							41.4	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.005						<0.005	<0.005	
6/7/2016						<0.005			<0.005
6/8/2016					<0.005				
8/9/2016	0.0019 (J)								
8/10/2016						0.0052 (J)		0.0044 (J)	
8/11/2016					<0.005		<0.005		
8/12/2016									
8/16/2016									<0.005
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		0.0013 (J)				0.0015 (J)		<0.005	
10/5/2016							0.002 (J)		
10/6/2016					<0.005				
10/7/2016									<0.005
11/29/2016	<0.005								
12/1/2016		<0.005						<0.005	
12/2/2016						0.0013 (J)			
12/5/2016							<0.005		
12/6/2016					<0.005				<0.005
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005		<0.005	
2/15/2017					<0.005		<0.005		
2/16/2017									<0.005
4/13/2017	0.0005 (J)							<0.005	
4/14/2017		0.0005 (J)				0.0011 (J)			
4/17/2017							<0.005		
4/18/2017					<0.005				<0.005
5/25/2017	<0.005	0.0004 (J)						<0.005	
5/26/2017						0.0008 (J)	<0.005		
6/2/2017					<0.005				<0.005
7/7/2017	0.0008 (J)							<0.005	
7/10/2017		0.0005 (J)				0.0009 (J)			
7/11/2017							<0.005		
7/12/2017									<0.005
7/13/2017									
7/14/2017					<0.005				
3/26/2018	<0.005	<0.005				<0.005			
3/27/2018					<0.005		<0.005		<0.005
3/28/2018									
2/25/2019	<0.005					<0.005			
2/27/2019		<0.005							
2/28/2019					<0.005				<0.005
4/1/2019	<0.005	<0.005				0.00091 (J)	<0.005		
4/2/2019					<0.005			<0.005	<0.005
9/23/2019	<0.005	0.00047 (J)						<0.005	
9/24/2019					0.00055 (J)	0.063	<0.005		
9/25/2019									<0.005
2/18/2020	0.00048 (J)							<0.005	
2/19/2020		0.00053 (J)				0.0011 (J)			
2/20/2020							<0.005		<0.005
2/21/2020					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/24/2020									
3/18/2020	<0.005	0.00052 (J)				0.0014 (J)			
3/19/2020					0.00061 (J)		<0.005	0.0015 (J)	
3/23/2020									0.0011 (J)
5/22/2020			0.00044 (J)						
5/25/2020				<0.005					
6/23/2020			0.00043 (J)	0.00042 (J)					
7/28/2020			<0.005	<0.005					
9/2/2020			<0.005						
9/3/2020				<0.005					
9/23/2020	<0.005	<0.005				0.0013 (J)		<0.005	
9/24/2020							<0.005		<0.005
9/25/2020					<0.005				
10/1/2020			0.0014 (J)	0.00056 (J)					
11/10/2020			0.00059 (J)	<0.005					
12/15/2020			0.00069 (J)	<0.005					
1/20/2021			0.00061 (J)	<0.005					
2/16/2021	<0.005	0.00071 (J)				0.001 (J)			
2/17/2021			0.00099 (J)	0.00069 (J)			<0.005		
2/18/2021					<0.005			<0.005	<0.005
2/19/2021									
3/23/2021		0.00059 (J)							
3/24/2021						0.0013 (J)	<0.005		
3/25/2021			<0.005	<0.005					
3/26/2021	0.00071 (J)								
3/30/2021					0.00095 (J)				<0.005
3/31/2021								<0.005	
8/16/2021	<0.005	<0.005	0.0022 (J)	<0.005				<0.005	
8/18/2021						0.0012 (J)	<0.005		<0.005
8/19/2021					<0.005				
2/9/2022	<0.005		<0.005	<0.005				<0.005	
2/10/2022		<0.005				0.0014 (J)	<0.005		
2/11/2022					<0.005				<0.005
7/26/2022	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/27/2022									
7/28/2022					<0.005				<0.005
1/24/2023	0.0011 (J)	<0.005	<0.005	<0.005					
1/25/2023								<0.005	
1/26/2023					<0.005	0.0014 (J)	0.0021 (J)		
1/27/2023									<0.005
8/15/2023			<0.005					<0.005	
8/16/2023		<0.005		<0.005		<0.005			
8/17/2023					<0.005		<0.005		<0.005
8/21/2023	<0.005								
1/31/2024			<0.005	<0.005				<0.005	
2/1/2024						<0.005	<0.005		<0.005
2/2/2024					<0.005				
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			<0.005	<0.005				<0.005	
8/16/2024					<0.005	<0.005			
8/19/2024							<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/20/2024									<0.005
8/21/2024	<0.005	<0.005							
2/4/2025			<0.005	<0.005				<0.005	
2/5/2025						<0.005	<0.005		
2/6/2025		<0.005			<0.005				<0.005
2/10/2025	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.005	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.005	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.005	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.005	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.005	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.005	
5/25/2017		
5/26/2017		
6/2/2017	0.0003 (J)	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.005	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.005	
2/25/2019		
2/27/2019		
2/28/2019	<0.005	
4/1/2019	<0.005	
4/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	0.00055 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/24/2020	<0.005	
3/18/2020		
3/19/2020	0.0004 (J)	
3/23/2020		
5/22/2020		<0.005
5/25/2020		
6/23/2020		<0.005
7/28/2020		<0.005
9/2/2020		<0.005
9/3/2020		
9/23/2020		
9/24/2020		
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
2/16/2021		
2/17/2021		
2/18/2021		0.026
2/19/2021	<0.005	
3/23/2021		
3/24/2021	0.00079 (J)	<0.005
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.005	<0.005
8/19/2021		
2/9/2022		<0.005
2/10/2022		
2/11/2022	<0.005	
7/26/2022		<0.005
7/27/2022	<0.005	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.0018 (J)	0.0014 (J)
1/27/2023		
8/15/2023		
8/16/2023	<0.005	<0.005
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.005	<0.005
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		<0.005
8/19/2024	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.005	<0.005
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.005	<0.005							
6/8/2016			<0.005	<0.005	<0.005	<0.005	<0.005		
6/9/2016								<0.005	<0.005
8/11/2016	<0.005	<0.005							
8/12/2016			<0.005	<0.005	<0.005				
8/15/2016									
8/18/2016						<0.005	<0.005	<0.005	<0.005
10/7/2016	<0.005	<0.005	0.0011 (J)	<0.005					
10/10/2016					<0.005	<0.005	<0.005	<0.005	0.0009 (J)
12/6/2016	<0.005	<0.005	<0.005						
12/7/2016				<0.005	<0.005			0.002 (J)	<0.005
12/8/2016						<0.005	<0.005		
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005	<0.005					
2/17/2017					<0.005	<0.005	<0.005		
2/20/2017								<0.005	<0.005
3/27/2017									
4/17/2017									
4/18/2017	<0.005								
4/19/2017		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
4/20/2017							<0.005		
5/22/2017									
5/30/2017	<0.005	<0.005							
6/1/2017			<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	<0.005					
7/17/2017								<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	<0.005					
3/28/2018					<0.005	<0.005			
3/29/2018							<0.005	<0.005	<0.005
2/25/2019	<0.005								
2/27/2019		<0.005	<0.005		0.0048 (J)				
3/1/2019				<0.005			<0.005	0.0033 (J)	<0.005
4/2/2019	<0.005	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									
9/26/2019	<0.005	<0.005	<0.005	<0.005	0.0022 (J)				
9/27/2019							<0.005	<0.005	
9/30/2019						<0.005			<0.005
2/20/2020	<0.005								
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)
3/19/2020	0.00071 (J)	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)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/24/2020									
3/25/2020									<0.005
9/24/2020	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
9/25/2020									0.00058 (J)
9/28/2020				<0.005	0.0028 (J)				
2/18/2021	0.0019 (J)	<0.005	<0.005	<0.005	0.00078 (J)				
2/19/2021						<0.005	<0.005	<0.005	<0.005
2/23/2021									
3/8/2021									
3/24/2021	<0.005	<0.005	0.00065 (J)						
3/25/2021									
3/26/2021				<0.005				<0.005	<0.005
3/29/2021					0.0011 (J)	0.0025 (J)	<0.005		
8/18/2021	<0.005								
8/19/2021		<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	<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			
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
1/26/2023	<0.005	<0.005	<0.005						
1/27/2023				<0.005		<0.005			
1/30/2023					<0.005				
2/1/2023									<0.005
2/2/2023								<0.005	
2/7/2023							<0.005		
8/17/2023	<0.005	<0.005	<0.005						
8/18/2023				<0.005	<0.005				
8/21/2023									
8/22/2023							<0.005		
8/23/2023						<0.005		<0.005	
8/25/2023									<0.005
1/30/2024									<0.005
2/1/2024	<0.005	<0.005							
2/2/2024			<0.005	<0.005					
2/5/2024					<0.005	<0.005			
2/6/2024									
2/8/2024							<0.005	<0.005	
8/19/2024	<0.005	<0.005	<0.005	<0.005					
8/20/2024					<0.005				
8/21/2024							<0.005		<0.005
8/22/2024						<0.005		<0.005	
2/6/2025	<0.005				<0.005				
2/7/2025		<0.005	<0.005	<0.005					
2/10/2025						<0.005			
2/11/2025								<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/13/2025							<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.005	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.005	
8/18/2016		
10/7/2016		
10/10/2016	<0.005	
12/6/2016		
12/7/2016		
12/8/2016	<0.005	
1/23/2017		0.001 (J)
2/7/2017		<0.005
2/16/2017		
2/17/2017		
2/20/2017	<0.005	
3/27/2017		<0.005
4/17/2017		<0.005
4/18/2017		
4/19/2017		
4/20/2017	<0.005	
5/22/2017		0.0004 (J)
5/30/2017		
6/1/2017	<0.005	
6/5/2017		0.0004 (J)
7/11/2017		0.0012 (J)
7/14/2017		
7/17/2017	<0.005	
7/18/2017		
7/19/2017		
8/23/2017		0.0009 (J)
3/26/2018		<0.005
3/27/2018		
3/28/2018	<0.005	
3/29/2018		
2/25/2019		
2/27/2019		
3/1/2019	<0.005	<0.005
4/2/2019		0.00095 (J)
4/3/2019		
4/4/2019	<0.005	
9/26/2019		
9/27/2019		0.00056 (J)
9/30/2019	0.0021 (J)	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.005	0.00073 (J)
3/19/2020		
3/20/2020		
3/23/2020		0.00098 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/24/2020	<0.005	
3/25/2020		
9/24/2020		
9/25/2020		0.00087 (J)
9/28/2020	<0.005	
2/18/2021		
2/19/2021		
2/23/2021	<0.005	
3/8/2021		0.0011 (J)
3/24/2021		
3/25/2021		0.00082 (J)
3/26/2021	<0.005	
3/29/2021		
8/18/2021		
8/19/2021	<0.005	<0.005
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		0.0014 (J)
2/15/2022		
2/16/2022	<0.005	
7/27/2022	<0.005	
7/28/2022		
8/1/2022		<0.005
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.005	
1/30/2023		
2/1/2023		<0.005
2/2/2023		
2/7/2023		
8/17/2023	<0.005	
8/18/2023		
8/21/2023		<0.005
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.005	
2/6/2024		<0.005
2/8/2024		
8/19/2024		
8/20/2024	<0.005	
8/21/2024		
8/22/2024		<0.005
2/6/2025		
2/7/2025		
2/10/2025	<0.005	<0.005
2/11/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/13/2025		

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 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		
9/3/2020									
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	
4/1/2021									
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					<0.005				
8/24/2021			<0.005					<0.005	<0.005
8/25/2021		0.0043 (J)							
2/14/2022					<0.005		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0011 (J)
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							<0.005	<0.005	
1/27/2023	<0.005								
1/30/2023			<0.005	<0.005		<0.005			
1/31/2023		<0.005							0.005 (J)
2/1/2023					<0.005				
2/2/2023								<0.005	
2/7/2023							<0.005		
8/18/2023	<0.005	<0.005	<0.005						<0.005
8/21/2023					<0.005		<0.005		
8/23/2023								<0.005	
8/24/2023				<0.005		<0.005			
1/30/2024					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/2/2024	<0.005								
2/5/2024			<0.005						
2/6/2024							<0.005		
2/7/2024				<0.005		<0.005			<0.005
2/8/2024		<0.005						<0.005	
8/19/2024	<0.005								
8/20/2024			<0.005		<0.005				<0.005
8/21/2024		<0.005							
8/22/2024				<0.005		<0.005	<0.005	<0.005	
2/5/2025					<0.005				
2/6/2025	<0.005		<0.005						
2/10/2025									<0.005
2/11/2025				<0.005		<0.005	<0.005		
2/12/2025		<0.005							
2/18/2025								<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
9/3/2020		<0.005
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.005	0.0011 (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	0.00068 (J)	
4/1/2021		0.00062 (J)
8/19/2021		
8/20/2021		<0.005
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		<0.005
7/28/2022		<0.005
7/29/2022	<0.005	
8/2/2022		
1/27/2023		
1/30/2023		<0.005
1/31/2023		
2/1/2023	<0.005	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	<0.005	
8/24/2023		<0.005
1/30/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.005	<0.005
2/8/2024		
8/19/2024		
8/20/2024		<0.005
8/21/2024	<0.005	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.005
2/12/2025	<0.005	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	<0.005	<0.005						
1/28/2021					<0.005	<0.005		
2/18/2021		0.00093 (J)						
2/23/2021					0.0006 (J)	<0.005		
3/8/2021	<0.005							
3/29/2021	<0.005							
3/30/2021					<0.005	0.00061 (J)		
3/31/2021		0.00094 (J)						
4/19/2021			0.00071 (J)	<0.005				
8/18/2021		<0.005		<0.005				
8/23/2021	<0.005				<0.005	<0.005		
8/24/2021			<0.005					
2/9/2022		<0.005		<0.005				
2/14/2022					<0.005	0.0013 (J)		
2/15/2022	0.0024 (J)							
2/17/2022			<0.005					
4/28/2022								<0.005
7/26/2022		<0.005		<0.005				
7/28/2022						<0.005		
8/1/2022	<0.005		<0.005		<0.005			
8/2/2022								<0.005
1/25/2023		0.0025 (J)		<0.005				
1/31/2023					<0.005	0.0016 (J)		
2/1/2023			<0.005					
2/2/2023								<0.005
2/7/2023	<0.005							
8/15/2023		<0.005		<0.005				
8/21/2023					<0.005			
8/22/2023			<0.005			<0.005		
8/23/2023	<0.005							
1/30/2024	<0.005							
1/31/2024		<0.005		<0.005				
2/5/2024					<0.005	<0.005		
2/6/2024			<0.005					
8/15/2024		<0.005						
8/16/2024				<0.005				
8/20/2024					<0.005	<0.005		
8/21/2024	<0.005		<0.005					
8/22/2024								<0.005
12/3/2024							<0.005	
2/5/2025		<0.005		<0.005				
2/6/2025					<0.005			
2/7/2025						<0.005		<0.005
2/10/2025			<0.005					
2/11/2025	<0.005							
2/12/2025							<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.005						<0.005	<0.005	
6/7/2016						0.00013 (J)			<0.005
6/8/2016					0.00081 (J)				
8/9/2016	0.0005 (J)								
8/10/2016						0.0003 (J)		0.0006 (J)	
8/11/2016					0.0007 (J)		0.0003 (J)		
8/12/2016									
8/16/2016									<0.005
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005		<0.005	
10/5/2016							<0.005		
10/6/2016					<0.005				
10/7/2016									<0.005
11/29/2016	<0.005								
12/1/2016		<0.005						<0.005	
12/2/2016						<0.005			
12/5/2016							0.0006 (J)		
12/6/2016					0.0009 (J)				<0.005
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005		<0.005	
2/15/2017					<0.005		<0.005		
2/16/2017									<0.005
4/13/2017	<0.005							<0.005	
4/14/2017		<0.005				<0.005			
4/17/2017							<0.005		
4/18/2017					0.0005 (J)				<0.005
5/25/2017	<0.005	<0.005						<0.005	
5/26/2017						<0.005	<0.005		
6/2/2017					0.0006 (J)				<0.005
7/7/2017	<0.005							<0.005	
7/10/2017		<0.005				<0.005			
7/11/2017							<0.005		
7/12/2017									<0.005
7/13/2017									
7/14/2017					0.0006 (J)				
3/26/2018	<0.005	<0.005				<0.005			
3/27/2018					<0.005		<0.005		<0.005
3/28/2018									
6/12/2018	<0.005	<0.005				<0.005	<0.005		
6/13/2018					0.00068 (J)				
6/14/2018									<0.005
10/16/2018	<0.005	<0.005				<0.005		0.00094 (J)	
10/17/2018							<0.005		
10/18/2018					<0.005				<0.005
2/25/2019	<0.005					<0.005			
2/27/2019		<0.005							
2/28/2019					0.00067 (J)				<0.005
4/1/2019	0.00014 (J)	<0.005				5.6E-05 (J)	0.00024 (J)		
4/2/2019					0.00094 (J)			0.00016 (J)	0.00027 (J)
5/2/2019	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/23/2019	0.00047 (J)	<0.005						0.00042 (J)	
9/24/2019					0.00078 (J)	0.0012 (J)	<0.005		
9/25/2019									0.00056 (J)
2/18/2020	<0.005							0.00032 (J)	
2/19/2020		<0.005				<0.005			
2/20/2020							<0.005		<0.005
2/21/2020					0.00081 (J)				
2/24/2020									
3/18/2020	<0.005	<0.005				<0.005			
3/19/2020					0.00091 (J)		<0.005	<0.005	
3/23/2020									0.00031 (J)
5/22/2020			<0.005						
5/25/2020				<0.005					
6/23/2020			0.00031 (J)	<0.005					
7/28/2020			<0.005	0.00064 (J)					
9/2/2020			<0.005						
9/3/2020				<0.005					
9/23/2020	<0.005	<0.005				<0.005		<0.005	
9/24/2020							<0.005		<0.005
9/25/2020					0.00077 (J)				
10/1/2020			<0.005	0.00039 (J)					
11/10/2020			<0.005	<0.005					
12/15/2020			<0.005	<0.005					
1/20/2021			<0.005	<0.005					
2/16/2021	<0.005	<0.005				<0.005			
2/17/2021			<0.005	<0.005			<0.005		
2/18/2021					0.00074 (J)			<0.005	<0.005
2/19/2021									
3/23/2021		<0.005							
3/24/2021						<0.005	<0.005		
3/25/2021			<0.005	<0.005					
3/26/2021	<0.005								
3/30/2021					0.00085 (J)				0.00052 (J)
3/31/2021								0.00094 (J)	
8/16/2021	<0.005	<0.005	<0.005	<0.005				0.00052 (J)	
8/18/2021						<0.005	<0.005		0.00042 (J)
8/19/2021					0.0008 (J)				
2/9/2022	<0.005		<0.005	<0.005				0.0005 (J)	
2/10/2022		<0.005				<0.005	<0.005		
2/11/2022					0.00068 (J)				0.00047 (J)
7/26/2022	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/27/2022									
7/28/2022					0.00074 (J)				0.00058 (J)
1/24/2023	<0.005	<0.005	<0.005	<0.005					
1/25/2023								0.00074 (J)	
1/26/2023					0.00068 (J)	<0.005	<0.005		
1/27/2023									0.00051 (J)
8/15/2023			<0.005					<0.005	
8/16/2023		<0.005		<0.005		<0.005			
8/17/2023					0.00066 (J)		<0.005		0.00043 (J)
8/21/2023	<0.005								
1/31/2024			<0.005	<0.005				0.00054 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/1/2024						<0.005	<0.005		0.0004 (J)
2/2/2024					0.00045 (J)				
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			<0.005	<0.005				<0.005	
8/16/2024					<0.005	<0.005			
8/19/2024							<0.005		
8/20/2024									0.00041 (J)
8/21/2024	<0.005	<0.005							
2/4/2025			<0.005	<0.005				<0.005	
2/5/2025						<0.005	<0.005		
2/6/2025		<0.005			<0.005				<0.005
2/10/2025	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.005	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.005	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.005	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	0.0006 (J)	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.005	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.005	
5/25/2017		
5/26/2017		
6/2/2017	<0.005	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.0003 (J)	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.005	
6/12/2018		
6/13/2018		
6/14/2018	<0.005	
10/16/2018		
10/17/2018	<0.005	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	<0.005	
4/1/2019	0.00034 (J)	
4/2/2019		
5/2/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/23/2019		
9/24/2019		
9/25/2019	0.0004 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	0.00034 (J)	
3/18/2020		
3/19/2020	0.00035 (J)	
3/23/2020		
5/22/2020		0.00041 (J)
5/25/2020		
6/23/2020		<0.005
7/28/2020		<0.005
9/2/2020		0.001 (J)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	0.00049 (J)	
10/1/2020		0.0018 (J)
11/10/2020		0.0016 (J)
12/15/2020		0.0018 (J)
1/20/2021		0.0019 (J)
2/16/2021		
2/17/2021		
2/18/2021		0.0013 (J)
2/19/2021	0.00066 (J)	
3/23/2021		
3/24/2021	0.00048 (J)	<0.005
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	0.00085 (J)	0.0034 (J)
8/19/2021		
2/9/2022		<0.005
2/10/2022		
2/11/2022	0.00057 (J)	
7/26/2022		0.003 (J)
7/27/2022	<0.005	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.00045 (J)	0.0033 (J)
1/27/2023		
8/15/2023		
8/16/2023	<0.005	0.0017 (J)
8/17/2023		
8/21/2023		
1/31/2024		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/1/2024	0.00036 (J)	0.0014 (J)
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.0016 (J)
8/19/2024	<0.005	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.005	<0.005
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	0.0037	<0.005							
6/8/2016			0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079		
6/9/2016								<0.005	0.0026
8/11/2016	0.0039 (J)	<0.005							
8/12/2016			0.0006 (J)	<0.005	<0.005				
8/15/2016									
8/18/2016						<0.005	0.0109	<0.005	0.0021 (J)
10/7/2016	0.0043 (J)	<0.005	0.0005 (J)	<0.005					
10/10/2016					<0.005	<0.005	0.011	<0.005	0.0018 (J)
12/6/2016	0.005 (J)	<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		
1/23/2017									
2/7/2017									
2/16/2017	0.0054 (J)	<0.005	<0.005	<0.005					
2/17/2017					<0.005	<0.005	0.0122		
2/20/2017								<0.005	0.0027 (J)
3/27/2017									
4/17/2017									
4/18/2017	0.0054 (J)								
4/19/2017		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0032 (J)
4/20/2017							0.0116		
5/22/2017									
5/30/2017	0.0045 (J)	<0.005							
6/1/2017			<0.005	<0.005	<0.005	<0.005			
6/5/2017							0.0112	<0.005	0.0034 (J)
7/11/2017									
7/14/2017	0.0049 (J)	<0.005	<0.005	<0.005					
7/17/2017								<0.005	0.0033 (J)
7/18/2017					<0.005	0.0004 (J)			
7/19/2017							0.0131		
8/23/2017									
3/26/2018									
3/27/2018	<0.01	<0.005	<0.005	<0.005					
3/28/2018					<0.005	<0.005			
3/29/2018							0.016	<0.005	<0.005
6/12/2018	0.0048 (J)								
6/13/2018					<0.005			<0.005	0.0039 (J)
6/14/2018		<0.005	<0.005			<0.005	0.017		
6/15/2018				<0.005					
10/17/2018		<0.005							
10/18/2018	0.0047 (J)		<0.005						
10/19/2018				<0.005		<0.005			
10/22/2018					<0.005		0.021	<0.005	0.0043 (J)
2/25/2019	0.0071 (J)								
2/27/2019		<0.005	<0.005		<0.005				
3/1/2019				<0.005			0.017	<0.005	0.0055 (J)
4/2/2019	0.0056 (J)	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									
5/2/2019							0.023 (J)		
9/26/2019	0.0093	<0.005	<0.005	<0.005	<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/27/2019							0.027	0.00034 (J)	
9/30/2019						0.0004 (J)			0.0048 (J)
2/20/2020	0.0092								
2/24/2020		<0.005	<0.005	<0.005	<0.005				
2/25/2020							0.017	0.00046 (J)	
2/26/2020						0.00037 (J)			0.0045 (J)
3/19/2020	0.0089	<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									
3/25/2020									0.0037 (J)
9/24/2020	0.0095	<0.005	<0.005			0.00098 (J)	0.041	<0.005	
9/25/2020									0.0038 (J)
9/28/2020				<0.005	<0.005				
2/18/2021	0.0088	<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									
3/8/2021									
3/24/2021	0.0078	<0.005	<0.005						
3/25/2021									
3/26/2021				<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									
8/18/2021	0.0098								
8/19/2021		<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	0.0097	<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)			
7/27/2022	0.012	<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	0.0098	<0.005	<0.005						
1/27/2023				<0.005		0.0021 (J)			
1/30/2023					<0.005				
2/1/2023									0.0024 (J)
2/2/2023								<0.005	
2/7/2023							0.017		
8/17/2023	0.011	<0.005	<0.005						
8/18/2023				<0.005	<0.005				
8/21/2023									
8/22/2023							0.03		
8/23/2023						0.004 (J)		<0.005	
8/25/2023									0.0023 (J)
1/30/2024									0.002 (J)
2/1/2024	0.011	<0.005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/2/2024			<0.005	<0.005					
2/5/2024					0.00034 (J)	0.003 (J)			
2/6/2024									
2/8/2024							0.014	<0.005	
8/19/2024	0.011	<0.005	<0.005	0.00052 (J)					
8/20/2024					<0.005				
8/21/2024							0.017		0.0015 (J)
8/22/2024						0.0096		0.00035 (J)	
2/6/2025	0.015				<0.005				
2/7/2025		<0.005	<0.005	<0.005					
2/10/2025						0.0066			
2/11/2025								<0.005	0.0027 (J)
2/13/2025							0.011		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.005	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.005	
8/18/2016		
10/7/2016		
10/10/2016	<0.005	
12/6/2016		
12/7/2016		
12/8/2016	0.0006 (J)	
1/23/2017		0.0012 (J)
2/7/2017		0.0008 (J)
2/16/2017		
2/17/2017		
2/20/2017	<0.005	
3/27/2017		0.001 (J)
4/17/2017		0.0009 (J)
4/18/2017		
4/19/2017		
4/20/2017	<0.005	
5/22/2017		0.0008 (J)
5/30/2017		
6/1/2017	<0.005	
6/5/2017		0.0008 (J)
7/11/2017		0.0008 (J)
7/14/2017		
7/17/2017	<0.005	
7/18/2017		
7/19/2017		
8/23/2017		0.0006 (J)
3/26/2018		<0.005
3/27/2018		
3/28/2018	<0.005	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	<0.005	
6/15/2018		<0.005
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	<0.005	<0.005
2/25/2019		
2/27/2019		
3/1/2019	<0.005	<0.005
4/2/2019		0.00022 (J)
4/3/2019		
4/4/2019	0.00022 (J)	
5/2/2019		
9/26/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/27/2019		<0.005
9/30/2019	<0.005	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.005	<0.005
3/19/2020		
3/20/2020		
3/23/2020		<0.005
3/24/2020	<0.005	
3/25/2020		
9/24/2020		
9/25/2020		<0.005
9/28/2020	<0.005	
2/18/2021		
2/19/2021		
2/23/2021	<0.005	
3/8/2021		<0.005
3/24/2021		
3/25/2021		<0.005
3/26/2021	<0.005	
3/29/2021		
7/19/2021		
7/20/2021		<0.005
8/18/2021		
8/19/2021	<0.005	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	<0.005	
7/27/2022	<0.005	
7/28/2022		
8/1/2022		<0.005
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.005	
1/30/2023		
2/1/2023		<0.005
2/2/2023		
2/7/2023		
8/17/2023	<0.005	
8/18/2023		
8/21/2023		<0.005
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/2/2024		
2/5/2024	<0.005	
2/6/2024		<0.005
2/8/2024		
8/19/2024		
8/20/2024	<0.005	
8/21/2024		
8/22/2024		<0.005
2/6/2025		
2/7/2025		
2/10/2025	<0.005	<0.005
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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	
4/1/2021									
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)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/1/2023					<0.005				
2/2/2023								<0.005	
2/7/2023							0.0014 (J)		
8/18/2023	<0.005	0.001 (J)	0.0014 (J)						<0.005
8/21/2023					<0.005		0.0017 (J)		
8/23/2023								<0.005	
8/24/2023				0.0017 (J)		<0.005			
1/30/2024					<0.005				
2/2/2024	<0.005								
2/5/2024			0.0013 (J)						
2/6/2024							0.0016 (J)		
2/7/2024				0.0044 (J)		<0.005			0.00034 (J)
2/8/2024		0.0054						<0.005	
8/19/2024	<0.005								
8/20/2024			0.0012 (J)		<0.005				0.00033 (J)
8/21/2024		0.0046 (J)							
8/22/2024				0.0013 (J)		<0.005	0.001 (J)	<0.005	
2/5/2025					<0.005				
2/6/2025	<0.005		0.0017 (J)						
2/10/2025									<0.005
2/11/2025				0.0019 (J)		<0.005	0.0018 (J)		
2/12/2025		0.0032 (J)							
2/18/2025								<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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)	
9/3/2020		<0.005
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	0.00053 (J)	<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	<0.005	
4/1/2021		<0.005
8/19/2021		
8/20/2021		<0.005
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		<0.005
7/28/2022		<0.005
7/29/2022	0.0004 (J)	
8/2/2022		
1/27/2023		
1/30/2023		<0.005
1/31/2023		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/1/2023	0.00067 (J)	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	0.00049 (J)	
8/24/2023		<0.005
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	0.00044 (J)	<0.005
2/8/2024		
8/19/2024		
8/20/2024		<0.005
8/21/2024	0.00044 (J)	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.005
2/12/2025	<0.005	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.002 (J)	<0.005						
1/28/2021					<0.005	0.0048 (J)		
2/18/2021		<0.005						
2/23/2021					<0.005	0.0033 (J)		
3/8/2021	0.0043 (J)							
3/29/2021	0.0057							
3/30/2021					<0.005	0.0031 (J)		
3/31/2021		<0.005						
4/19/2021			0.00079 (J)	0.0013 (J)				
7/20/2021	0.0057							
8/18/2021		<0.005		0.0016 (J)				
8/23/2021	0.0051				<0.005	0.0036 (J)		
8/24/2021			0.001 (J)					
2/9/2022		<0.005		0.00079 (J)				
2/14/2022					<0.005	0.00044 (J)		
2/15/2022	0.0038 (J)							
2/17/2022			0.00088 (J)					
4/28/2022								<0.005
7/26/2022		<0.005		0.00072 (J)				
7/28/2022						0.00082 (J)		
8/1/2022	0.0024 (J)		0.00065 (J)		<0.005			
8/2/2022								<0.005
1/25/2023		<0.005		0.00066 (J)				
1/31/2023					<0.005	0.0045 (J)		
2/1/2023			0.00089 (J)					
2/2/2023								<0.005
2/7/2023	0.0016 (J)							
8/15/2023		<0.005		0.0004 (J)				
8/21/2023					<0.005			
8/22/2023			0.00093 (J)			0.0035 (J)		
8/23/2023	0.0031 (J)							
1/30/2024	0.0024 (J)							
1/31/2024		<0.005		0.00036 (J)				
2/5/2024					<0.005	0.00035 (J)		
2/6/2024			0.0011 (J)					
8/15/2024		<0.005						
8/16/2024				0.00069 (J)				
8/20/2024					<0.005	0.00042 (J)		
8/21/2024	0.0019 (J)		0.00098 (J)					
8/22/2024								<0.005
12/3/2024							0.0007 (J)	
2/5/2025		<0.005		<0.005				
2/6/2025					<0.005			
2/7/2025						0.0014 (J)		<0.005
2/10/2025			<0.005					
2/11/2025	0.0026 (J)							
2/12/2025							<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	0.838						0.488	0.239 (U)	
6/7/2016						0.0507 (U)			0.616
6/8/2016					0.854				
8/9/2016	1.18								
8/10/2016						0.862		1.19	
8/11/2016					1.24		0.639		
8/12/2016									
8/16/2016									1.08
8/22/2016		0.356							
10/3/2016	0.815								
10/4/2016		0.0834				0.48		0.231	
10/5/2016							0.945		
10/6/2016					2.43				
10/7/2016									2.82
11/29/2016	0.887								
12/1/2016		0.208						0.428	
12/2/2016						0.219			
12/5/2016							2.2		
12/6/2016					0.958				0.719
1/10/2017		0.024 (U)							
2/13/2017	0.869								
2/14/2017		0.105				0.636		0.36	
2/15/2017					1.18		0.74		
2/16/2017									0.966
4/13/2017	1.21							0.387	
4/14/2017		0.803				0.13			
4/17/2017							0.764		
4/18/2017					1.26				1.01
5/25/2017	1.54	0.569						0.123	
5/26/2017						0.349	0.245		
6/2/2017					1.24				1.13
7/7/2017	1.45							0.876 (U)	
7/10/2017		0.589 (U)				0.565 (U)			
7/11/2017							0.502 (U)		
7/12/2017									1.29
7/13/2017									
7/14/2017					1.55				
3/26/2018	0.529 (U)	0.513 (U)				0.303 (U)			
3/27/2018					2.15		0.745 (U)		0.779 (U)
3/28/2018									
6/12/2018	0.945 (U)	0.516 (U)				0.494 (U)	0.319 (U)		
6/13/2018					1.95				
6/14/2018									1.22
10/16/2018	0.57 (U)	0.146 (U)				0.633 (U)		0.881 (U)	
10/17/2018							0.319 (U)		
10/18/2018					1.1				0.841 (U)
2/25/2019	1.43					1.03 (U)			
2/27/2019		0.941 (U)							
2/28/2019					1.38				1.88
4/1/2019	1.44 (U)	0.66 (U)				0.474 (U)	0.225 (U)		
4/2/2019					1.57			0.64 (U)	1.21 (U)
9/23/2019	1.82	1.25						1.13	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/24/2019					1.85	1.69	1.65		
9/25/2019									0.816 (U)
2/18/2020	1.33							0.373 (U)	
2/19/2020		1.28				1.02 (U)			
2/20/2020							0.921 (U)		1.47
2/21/2020					2.02				
2/24/2020									
3/18/2020	1.31	1.2 (U)				0.987 (U)			
3/19/2020					1.18		1.94	0.431 (U)	
3/23/2020									1.69
5/22/2020			1.21 (U)						
5/25/2020				1.21 (U)					
6/23/2020			0.955 (U)	1.44					
7/28/2020			1.59	0.592 (U)					
9/2/2020			0.59 (U)						
9/3/2020				1.06 (U)					
9/23/2020	1.43	0.53 (U)				0.25 (U)		0.293 (U)	
9/24/2020							0.9 (U)		1.19 (U)
9/25/2020					1.64				
10/1/2020			0.754 (U)	0.597 (U)					
11/10/2020			0.403 (U)	0.188 (U)					
12/15/2020			0.263 (U)	0.464 (U)					
1/20/2021			0.669 (U)	1.33 (U)					
2/16/2021	0.938 (U)	0.344 (U)				0.709 (U)			
2/17/2021			0.537 (U)	1.1 (U)			0.692 (U)		
2/18/2021					1.09			0.232 (U)	1.52
2/19/2021									
3/23/2021		0.322 (U)							
3/24/2021						0.808 (U)	0.554 (U)		
3/25/2021			1.15 (U)	1.08 (U)					
3/26/2021	1.03 (U)								
3/30/2021					1.41 (U)				1.51 (U)
3/31/2021								0.301 (U)	
8/16/2021	0.684 (U)	0.539 (U)	0.536 (U)	0.0949 (U)				0.813 (U)	
8/18/2021						0.192 (U)	0.458 (U)		1.26
8/19/2021					0.952 (U)				
2/9/2022	0.264 (U)		0.539 (U)	0.504 (U)				0.296 (U)	
2/10/2022		0.181 (U)				0.813	0.86		
2/11/2022					1.26				1.01 (U)
7/26/2022	1.53	0.634 (U)	1.51	1.27 (U)		0.523 (U)	0.866 (U)	1.15 (U)	
7/27/2022									
7/28/2022					1.22 (U)				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					1.73	0.629 (U)	0.248 (U)		
1/27/2023									1.82
8/15/2023			0.758 (U)					0.409 (U)	
8/16/2023		0.252 (U)		0.578 (U)		0.791 (U)			
8/17/2023					1.45		0.711 (U)		0.942 (U)
8/21/2023	0.561 (U)								
1/31/2024			1.44	0.437 (U)				0.536 (U)	
2/1/2024						0.496 (U)	0.699 (U)		1.03 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/2/2024					1.04				
2/5/2024		0.371 (U)							
2/8/2024	0.437 (U)								
8/15/2024			0.864 (U)	0.697 (U)				0.379 (U)	
8/16/2024					1.55	0.76 (U)			
8/19/2024							0.429 (U)		
8/20/2024									0.882 (U)
8/21/2024	0.699 (U)	0.723 (U)							
2/4/2025			1.47	0.782 (U)				0.927 (U)	
2/5/2025						0.641 (U)	0.831 (U)		
2/6/2025		0.347 (U)			1.51				1.4
2/10/2025	0.578 (U)								

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	0.024 (U)	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	0.849	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	1.57	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	0.956	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	0.229	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	0.0114	
5/25/2017		
5/26/2017		
6/2/2017	0.375	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.636 (U)	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	0.36 (U)	
6/12/2018		
6/13/2018		
6/14/2018	0.316 (U)	
10/16/2018		
10/17/2018	0.326 (U)	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	1.04	
4/1/2019	0.328 (U)	
4/2/2019		
9/23/2019		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/24/2019		
9/25/2019	0.649 (U)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	0.455 (U)	
3/18/2020		
3/19/2020	0.838 (U)	
3/23/2020		
5/22/2020		1.82
5/25/2020		
6/23/2020		1.05 (U)
7/28/2020		1.71
9/2/2020		0.0158 (U)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	0.818 (U)	
10/1/2020		1.19 (U)
11/10/2020		0.675 (U)
12/15/2020		1.26
1/20/2021		0.701 (U)
2/16/2021		
2/17/2021		
2/18/2021		1
2/19/2021	0.608 (U)	
3/23/2021		
3/24/2021	0.369 (U)	1.1 (U)
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	0.19 (U)	0.721 (U)
8/19/2021		
2/9/2022		0.355 (U)
2/10/2022		
2/11/2022	0.288 (U)	
7/26/2022		0.659 (U)
7/27/2022	0.705 (U)	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.664 (U)	1.31
1/27/2023		
8/15/2023		
8/16/2023	0.621 (U)	0.263 (U)
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	0.281 (U)	0.433 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.673 (U)
8/19/2024	0.824 (U)	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	0.466 (U)	0.164 (U)
2/6/2025		
2/10/2025		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	0.284 (U)	0.135 (U)							
6/8/2016			0.406	0.264 (U)	0.863 (U)	0.573	1.53		
6/9/2016								0.704	2.13
8/11/2016	1.71	0.808							
8/12/2016			1.39	1.18	1.74				
8/15/2016									
8/18/2016						0.44	2.47	1.88	2.67
10/7/2016	0.485	0.874	0.451	1.97					
10/10/2016					0.944	0.933	2.11	1.48	3.46
12/6/2016	1.22	0.131	0.516						
12/7/2016				1.31	2.29			2.61	1.65
12/8/2016						1.02	2.64		
1/23/2017									
2/7/2017									
2/16/2017	0.19	0.471	0.172	0.35					
2/17/2017					1.35	0.193	1.34		
2/20/2017								0.884	2.68
4/17/2017									
4/18/2017	0.52								
4/19/2017		0.65	0.704	0.974	1.48	0.488		0.948	3.81
4/20/2017							2.35		
5/22/2017									
5/30/2017	1.21	0.65							
6/1/2017			0.493	0.332	1.61	0.837			
6/5/2017							1.6	1.33	2.86
7/11/2017									
7/14/2017	0.526 (U)	0.592 (U)	0.547 (U)	1.27					
7/17/2017								1.04	2.87
7/18/2017						0.498 (U)			
7/19/2017					1.626		1.76		
8/23/2017									
3/26/2018									
3/27/2018	1.34	0.551 (U)	0.569 (U)	0.169 (U)					
3/28/2018					0.97 (U)	0.864 (U)			
3/29/2018							2.43	1.65	2.79
6/12/2018	0.732 (U)								
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		
6/15/2018				0.625 (U)					
10/17/2018		0.555 (U)							
10/18/2018	0.522 (U)		0.875 (U)						
10/19/2018				0.784 (U)		0.982 (U)			
10/22/2018					0.559 (U)		1.43	1.21	2.18
2/25/2019	1.08								
2/27/2019		1.57	1.12		1.24				
3/1/2019				0.989 (U)			3.32	2.24	3.37
4/2/2019	1.73	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									
9/26/2019	1.45	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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/20/2020	1.22								
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
3/19/2020	1.63	0.626 (U)							
3/20/2020			2.59	0.89 (U)		1.08 (U)	3.6		
3/23/2020					1.27			1.68	
3/24/2020									
3/25/2020									4.72
9/24/2020	0.469 (U)	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)				
2/18/2021	0.721 (U)	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									
3/8/2021									
3/24/2021	0.92 (U)	0.391 (U)	1.21 (U)						
3/25/2021									
3/26/2021				0.848 (U)				1.04 (U)	2.91
3/29/2021					1.49	0.471 (U)	4.1		
8/18/2021	1.05								
8/19/2021		0.742 (U)	0.858 (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	1.03	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)			
7/27/2022	0.917 (U)	0.138 (U)	0.737 (U)	0.964 (U)	1.53				
7/28/2022						0.424 (U)			
8/1/2022								2.28	
8/2/2022							2.32		0.84 (U)
1/26/2023	1.21 (U)	1.02 (U)	1.46						
1/27/2023				1.16		0.28 (U)			
1/30/2023					0.563 (U)				
2/1/2023									1.3
2/2/2023								0.783 (U)	
2/7/2023							1.45		
8/17/2023	1.21 (U)	1.04 (U)	1.16 (U)						
8/18/2023				1.49 (U)	0.256 (U)				
8/21/2023									
8/22/2023							2.43		
8/23/2023						0.704 (U)		0.799 (U)	
8/25/2023									1.63 (U)
1/30/2024									0.782 (U)
2/1/2024	1.34	0.808 (U)							
2/2/2024			0.612 (U)	0.716 (U)					
2/5/2024					0.956 (U)	0.455 (U)			
2/6/2024									
2/8/2024							2.05	1.27 (U)	
8/19/2024	0.705 (U)	0.294 (U)	0.737 (U)	0.26 (U)					
8/20/2024					0.979 (U)				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/21/2024							1.5		0.991 (U)
8/22/2024						0.262 (U)		0.718 (U)	
2/6/2025	0.712 (U)				1.1				
2/7/2025		1.11 (U)	0.737 (U)	0.952 (U)					
2/10/2025						1.23 (U)			
2/11/2025								1.18 (U)	2.6
2/13/2025							1.6		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	0.314 (U)	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	1.2	
8/18/2016		
10/7/2016		
10/10/2016	1.03	
12/6/2016		
12/7/2016		
12/8/2016	1.47	
1/23/2017		2.71
2/7/2017		3
2/16/2017		
2/17/2017		
2/20/2017	0.547	
4/17/2017		2.73
4/18/2017		
4/19/2017		
4/20/2017	0.0595	
5/22/2017		3.15
5/30/2017		
6/1/2017	0.67	
6/5/2017		0.86
7/11/2017		1.87
7/14/2017		
7/17/2017	1.25 (U)	
7/18/2017		
7/19/2017		
8/23/2017		3.39
3/26/2018		1.61
3/27/2018		
3/28/2018	0.507 (U)	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	0.721 (U)	
6/15/2018		0.815 (U)
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	0.741 (U)	1.02 (U)
2/25/2019		
2/27/2019		
3/1/2019	0.634 (U)	2.47
4/2/2019		2.29
4/3/2019		
4/4/2019	0.346 (U)	
9/26/2019		
9/27/2019		1.23 (U)
9/30/2019	0.953 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	1.16	1.09 (U)
3/19/2020		
3/20/2020		
3/23/2020		1.42
3/24/2020	0.899 (U)	
3/25/2020		
9/24/2020		
9/25/2020		0.783 (U)
9/28/2020	0.744 (U)	
2/18/2021		
2/19/2021		
2/23/2021	0.456 (U)	
3/8/2021		0.429 (U)
3/24/2021		
3/25/2021		1.48
3/26/2021	0.134 (U)	
3/29/2021		
8/18/2021		
8/19/2021	0.908 (U)	1.63
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		0.744 (U)
2/15/2022		
2/16/2022	0.189 (U)	
7/27/2022	1.09 (U)	
7/28/2022		
8/1/2022		1.01 (U)
8/2/2022		
1/26/2023		
1/27/2023	0.768 (U)	
1/30/2023		
2/1/2023		0.936
2/2/2023		
2/7/2023		
8/17/2023	0.909 (U)	
8/18/2023		
8/21/2023		0.986 (U)
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	0.396 (U)	
2/6/2024		0.255 (U)
2/8/2024		
8/19/2024		
8/20/2024	0.246 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/21/2024		
8/22/2024		0.713 (U)
2/6/2025		
2/7/2025		
2/10/2025	0.747 (U)	0.708 (U)
2/11/2025		
2/13/2025		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 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	2.56			2.8	5.9	1.35	
3/25/2020				2.81					0.848 (U)
9/2/2020							5.91		
9/3/2020									
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)	
4/1/2021									
8/19/2021							4.63		
8/20/2021	1.82			2.53		3.01			
8/23/2021					0.857 (U)				
8/24/2021			2.39					0.432 (U)	0.21 (U)
8/25/2021		0.784 (U)							
2/14/2022					1.43		4.6		
2/15/2022									
2/16/2022	1.02	1.16 (U)	2.24					0.799	0.473 (U)
2/17/2022				1.88		2.41			
7/28/2022	0.684 (U)		2.74	2.71		2.92			0.656 (U)
7/29/2022		1.82			1.47 (U)				
8/2/2022							3.64	0.93 (U)	
1/27/2023	1.46								
1/30/2023			2.58	2.3		2.14			
1/31/2023		1.49							0.498 (U)
2/1/2023					1.17				
2/2/2023								0.942 (U)	
2/7/2023							2.93		
8/18/2023	1.82	1.24 (U)	2.36						1.14 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 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
8/21/2023					1.19 (U)		3.26		
8/23/2023								1.46 (U)	
8/24/2023				3.09		3.06			
1/30/2024					1.07				
2/2/2024	1.3								
2/5/2024			2.21						
2/6/2024							3.19		
2/7/2024				2.74		2.3			0.563 (U)
2/8/2024		0.939 (U)						0.396 (U)	
8/19/2024	0.674 (U)								
8/20/2024			1.7		0.895 (U)				0.27 (U)
8/21/2024		1.19							
8/22/2024				2.08		1.92	2.4	1.05	
2/5/2025					1.19				
2/6/2025	1.33		2.75						
2/10/2025									0.803 (U)
2/11/2025				2.71		2.04	2.44		
2/12/2025		1.28							
2/18/2025								0.227 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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)	
9/3/2020		1.05 (U)
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	1.91	0.578 (U)
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	
4/1/2021		0.461 (U)
8/19/2021		
8/20/2021		1.38
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		0.51 (U)
7/28/2022		0.503 (U)
7/29/2022	1.6	
8/2/2022		
1/27/2023		
1/30/2023		0.71 (U)
1/31/2023		
2/1/2023	1.59	
2/2/2023		
2/7/2023		
8/18/2023		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/21/2023		
8/23/2023	2.06	
8/24/2023		1.37
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	1.4	0.44 (U)
2/8/2024		
8/19/2024		
8/20/2024		0.543 (U)
8/21/2024	2.31	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		0.951 (U)
2/12/2025	2.61	
2/18/2025		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	1.9	0.982 (U)						
1/28/2021					0.444 (U)	1.59		
2/18/2021		1.34						
2/23/2021					0.589 (U)	0.567 (U)		
3/8/2021	1.34							
3/29/2021	1.62 (U)							
3/30/2021					0.852 (U)	1.66 (U)		
3/31/2021		0.517 (U)						
4/19/2021			2.45	1.01 (U)				
8/18/2021		0.886 (U)		0.99 (U)				
8/23/2021	1.93				0.558 (U)	0.785 (U)		
8/24/2021			3.66					
2/9/2022		1.52		1.4				
2/14/2022					0.487 (U)	0.224 (U)		
2/15/2022	0.96 (U)							
2/17/2022			2.41					
7/26/2022		0.818 (U)		1 (U)				
7/28/2022						1.02 (U)		
8/1/2022	1.38		2.36		0.642 (U)			
8/2/2022								1.68
1/25/2023		0.617 (U)		0.588 (U)				
1/31/2023					0.707 (U)	0.58 (U)		
2/1/2023			1.57					
2/2/2023								0.748 (U)
2/7/2023	1.53							
8/15/2023		0.783 (U)		1.47				
8/21/2023					0.283 (U)			
8/22/2023			2.97			0.886 (U)		
8/23/2023	1.79							
1/30/2024	1.1							
1/31/2024		0.315 (U)		1.01 (U)				
2/5/2024					0.406 (U)	0.587 (U)		
2/6/2024			2.25					
8/15/2024		0.591 (U)						
8/16/2024				0.735 (U)				
8/20/2024					0.268 (U)	0.375 (U)		
8/21/2024	1.21		2.88					
8/22/2024								0.686 (U)
12/3/2024							0.596 (U)	
2/5/2025		1.73		1.15				
2/6/2025					0.876 (U)			
2/7/2025						0.13 (U)		1.29
2/10/2025			2.08					
2/11/2025	1.16							
2/12/2025							1.06 (U)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	0.11 (J)						0.12 (J)	<0.1	
6/7/2016						<0.1			0.09 (J)
6/8/2016					0.19 (J)				
8/9/2016	0.09 (J)								
8/10/2016						0.07 (J)		0.04 (J)	
8/11/2016					0.15 (J)		0.27 (J)		
8/12/2016									
8/16/2016									0.09 (J)
8/22/2016		0.04 (J)							
10/3/2016	0.11 (J)								
10/4/2016		0.06 (J)				0.07 (J)		0.06 (J)	
10/5/2016							0.12 (J)		
10/6/2016					0.17 (J)				
10/7/2016									0.17 (J)
11/29/2016	0.11 (J)								
12/1/2016		0.08 (J)						0.09 (J)	
12/2/2016						0.09 (J)			
12/5/2016							0.26 (J)		
12/6/2016					0.22 (J)				0.16 (J)
1/10/2017		0.03 (J)							
2/13/2017	0.12 (J)								
2/14/2017		<0.1				0.02 (J)		<0.1	
2/15/2017					0.18 (J)		0.46		
2/16/2017									0.38
4/13/2017	0.1 (J)							0.04 (J)	
4/14/2017		0.01 (J)				0.02 (J)			
4/17/2017							0.14 (J)		
4/18/2017					0.11 (J)				0.12 (J)
5/25/2017	0.08 (J)	0.005 (J)						0.02 (J)	
5/26/2017						0.02 (J)	0.13 (J)		
6/2/2017					0.07 (J)				0.03 (J)
7/7/2017	0.13 (J)							0.12 (J)	
7/10/2017		0.06 (J)				0.03 (J)			
7/11/2017							0.2 (J)		
7/12/2017									0.15 (J)
7/13/2017									
7/14/2017					0.23 (J)				
10/9/2017	0.11 (J)							<0.1	
10/10/2017		<0.1				<0.1	0.61		
10/11/2017					0.1 (J)				0.07 (J)
3/26/2018	<0.1	<0.1				<0.1			
3/27/2018					<0.3		0.36		<0.1
3/28/2018									
6/12/2018	0.086 (J)	0.053 (J)				0.061 (J)	0.13 (J)		
6/13/2018					0.25 (J)				
6/14/2018									0.046 (J)
10/16/2018	0.06 (J)	<0.1				<0.1		<0.1	
10/17/2018							0.13 (J)		
10/18/2018					0.047 (J)				<0.1
2/25/2019	<0.1					<0.1			
2/27/2019		<0.1							
2/28/2019					0.23 (J)				0.14 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
4/1/2019	0.047 (J)	<0.1				<0.1	0.33		
4/2/2019					0.22 (J)			<0.1	0.044 (J)
5/2/2019	<0.1								
9/23/2019	0.076 (J)	<0.1						<0.1	
9/24/2019					0.12 (J)	<0.1	0.096 (J)		
9/25/2019									0.075 (J)
2/18/2020	<0.1							<0.1	
2/19/2020		<0.1				<0.1			
2/20/2020							0.063 (J)		<0.1
2/21/2020					0.12 (J)				
2/24/2020									
3/18/2020	<0.1	<0.1				<0.1			
3/19/2020					0.12 (J)		0.074 (J)	<0.1	
3/23/2020									<0.1
5/22/2020			0.054 (J)						
5/25/2020				0.19 (J)					
6/23/2020			<0.1	0.19					
7/28/2020			<0.1	0.57					
9/2/2020			<0.1						
9/3/2020				0.11					
9/23/2020	<0.1	<0.1				<0.1		<0.1	
9/24/2020							0.091 (J)		<0.1
9/25/2020					0.11				
10/1/2020			<0.1	0.063 (J)					
11/10/2020			<0.1	<0.1					
12/15/2020			<0.1	<0.1					
1/20/2021			<0.1	<0.1					
2/16/2021	<0.1	<0.1				<0.1			
2/17/2021			<0.1	<0.1			0.086 (J)		
2/18/2021					0.13			<0.1	<0.1
2/19/2021									
3/23/2021		<0.1							
3/24/2021						<0.1	0.075 (J)		
3/25/2021			<0.1	<0.1					
3/26/2021	<0.1								
3/30/2021					0.18				<0.1
3/31/2021								<0.1	
8/16/2021	<0.1	<0.1	<0.1	<0.1				<0.1	
8/18/2021						<0.1	0.073 (J)		<0.1
8/19/2021					0.12				
2/9/2022	<0.1		<0.1	0.065 (J)				<0.1	
2/10/2022		<0.1				<0.1	0.071 (J)		
2/11/2022					0.12				<0.1
7/26/2022	0.066 (J)	0.058 (J)	0.064 (J)	0.086 (J)		0.067 (J)	0.11	0.052 (J)	
7/27/2022									
7/28/2022					0.16				0.064 (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					0.15	0.063 (J)	0.09 (J)		
1/27/2023									0.058 (J)
8/15/2023			0.06 (J)					<0.1	
8/16/2023		0.06 (J)		0.075 (J)		0.064 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/17/2023					0.14		0.091 (J)		0.05 (J)
8/21/2023	<0.1								
1/31/2024			0.05 (J)	0.082 (J)				0.053 (J)	
2/1/2024						0.051 (J)	0.074 (J)		0.051 (J)
2/2/2024					0.15				
2/5/2024		<0.1							
2/8/2024	<0.1								
8/15/2024			<0.1	0.064 (J)				<0.1	
8/16/2024					0.17	0.066 (J)			
8/19/2024							0.1		
8/20/2024									0.067 (J)
8/21/2024	0.065 (J)	0.061 (J)							
2/4/2025			0.068 (J)	0.11				0.065 (J)	
2/5/2025						0.073 (J)	0.11		
2/6/2025		0.06 (J)			0.18				0.068 (J)
2/10/2025	0.094 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.1	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	0.08 (J)	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	0.06 (J)	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	0.12 (J)	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	0.33	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	0.006 (J)	
5/25/2017		
5/26/2017		
6/2/2017	0.04 (J)	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.17 (J)	
7/14/2017		
10/9/2017		
10/10/2017	0.08 (J)	
10/11/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.1	
6/12/2018		
6/13/2018		
6/14/2018	<0.1	
10/16/2018		
10/17/2018	<0.1	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	0.18 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
4/1/2019	0.065 (J)	
4/2/2019		
5/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	0.13 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	0.051 (J)	
3/18/2020		
3/19/2020	<0.1	
3/23/2020		
5/22/2020		0.065 (J)
5/25/2020		
6/23/2020		<0.1
7/28/2020		<0.1
9/2/2020		0.061 (J)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	<0.1	
10/1/2020		<0.1
11/10/2020		<0.1
12/15/2020		0.052 (J)
1/20/2021		<0.1
2/16/2021		
2/17/2021		
2/18/2021		0.055 (J)
2/19/2021	<0.1	
3/23/2021		
3/24/2021	<0.1	<0.1
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.1	<0.1
8/19/2021		
2/9/2022		<0.1
2/10/2022		
2/11/2022	<0.1	
7/26/2022		0.082 (J)
7/27/2022	0.081 (J)	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.083 (J)	0.084 (J)
1/27/2023		
8/15/2023		
8/16/2023	0.089 (J)	0.076 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	0.071 (J)	0.066 (J)
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.082 (J)
8/19/2024	0.088 (J)	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	0.1	0.085 (J)
2/6/2025		
2/10/2025		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.1	0.15 (J)							
6/8/2016			0.1 (J)	<0.1	0.09 (J)	<0.1	0.43		
6/9/2016								0.12 (J)	<0.1
8/11/2016	0.12 (J)	0.3 (J)							
8/12/2016			0.39	0.2 (J)	0.04 (J)				
8/15/2016									
8/18/2016						0.09 (J)	0.3 (J)	0.08 (J)	0.24 (J)
10/7/2016	0.08 (J)	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
12/6/2016	0.24 (J)	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)		
1/23/2017									
2/7/2017									
2/16/2017	0.31	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
3/27/2017									
4/17/2017									
4/18/2017	0.02 (J)								
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		
5/22/2017									
5/30/2017	0.51	0.15 (J)							
6/1/2017			0.09 (J)	0.05 (J)	0.65	0.03 (J)			
6/5/2017							0.29 (J)	<0.1	0.05 (J)
7/11/2017									
7/14/2017	0.14 (J)	0.16 (J)	0.06 (J)	0.08 (J)					
7/17/2017								0.09 (J)	2.5
7/18/2017					0.36	0.08 (J)			
7/19/2017							0.33		
8/23/2017									
10/10/2017									
10/11/2017	0.29 (J)	0.64	0.14 (J)	0.11 (J)	<0.1			0.09 (J)	1.8
10/12/2017						0.12 (J)	0.31		
3/26/2018									
3/27/2018	<0.1	0.33	<0.1	<0.1					
3/28/2018					<0.1	<0.1			
3/29/2018							0.58	<0.1	2
6/12/2018	0.061 (J)								
6/13/2018					0.038 (J)			0.71	3.1
6/14/2018		0.11 (J)	0.095 (J)			<0.1	0.15 (J)		
6/15/2018				0.07 (J)					
10/17/2018		<0.3							
10/18/2018	<0.1		0.054 (J)						
10/19/2018				0.17 (J)		<0.1			
10/22/2018					<0.1		0.78	0.81	3.1
2/25/2019	0.13 (J)								
2/27/2019		0.26 (J)	<0.1		0.13 (J)				
3/1/2019				0.14 (J)			0.34	0.38	1
4/2/2019	0.23 (J)	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

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
4/4/2019									
5/2/2019							1.4		
9/26/2019	<0.1	0.071 (J)	0.052 (J)	<0.1	<0.1				
9/27/2019							1	0.54	
9/30/2019						0.066 (J)			1.2
2/20/2020	<0.1								
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)
3/19/2020	0.052 (J)	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									
3/25/2020									0.056 (J)
9/24/2020	0.059 (J)	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				
2/18/2021	0.064 (J)	0.1	<0.1	<0.1	<0.1				
2/19/2021						<0.1	0.2	<0.1	0.14
2/23/2021									
3/8/2021									
3/24/2021	0.053 (J)	0.11	<0.1						
3/25/2021									
3/26/2021				0.053 (J)				0.054 (J)	0.095 (J)
3/29/2021					<0.1	<0.1	0.22		
7/19/2021							0.24	0.065 (J)	0.13
7/20/2021									
8/18/2021	<0.1								
8/19/2021		0.097 (J)	<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	0.056 (J)	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			
7/27/2022	0.091 (J)	0.13	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		0.097 (J)
10/21/2022									0.14
1/26/2023	0.091 (J)	0.13	0.056 (J)						
1/27/2023				0.077 (J)		<0.1			
1/30/2023					0.064 (J)				
2/1/2023									0.18
2/2/2023								0.074 (J)	
2/7/2023							0.26		
8/17/2023	0.074 (J)	0.12	0.056 (J)						
8/18/2023				0.077 (J)	0.068 (J)				
8/21/2023									
8/22/2023							0.23		
8/23/2023						<0.1		<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/25/2023									0.15
1/30/2024									0.13
2/1/2024	0.072 (J)	0.12							
2/2/2024			<0.1	0.069 (J)					
2/5/2024					0.056 (J)	<0.1			
2/6/2024									
2/8/2024							0.19	0.059 (J)	
8/19/2024	0.1	0.14	0.081 (J)	<0.1					
8/20/2024					0.072 (J)				
8/21/2024							0.22		0.17
8/22/2024						<0.1		<0.1	
2/6/2025	0.12				0.077 (J)				
2/7/2025		0.17	0.074 (J)	0.083 (J)					
2/10/2025						0.078 (J)			
2/11/2025								0.056 (J)	0.17
2/13/2025							0.29		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	0.14 (J)	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.08 (J)	
8/18/2016		
10/7/2016		
10/10/2016	0.1 (J)	
12/6/2016		
12/7/2016		
12/8/2016	0.06 (J)	
1/23/2017		0.06 (J)
2/7/2017		0.09 (J)
2/16/2017		
2/17/2017		
2/20/2017	0.16 (J)	
3/27/2017		0.09 (J)
4/17/2017		0.36
4/18/2017		
4/19/2017		
4/20/2017	0.02 (J)	
5/22/2017		0.05 (J)
5/30/2017		
6/1/2017	0.04 (J)	
6/5/2017		0.32
7/11/2017		0.13 (J)
7/14/2017		
7/17/2017	0.07 (J)	
7/18/2017		
7/19/2017		
8/23/2017		0.17 (J)
10/10/2017		0.35
10/11/2017	0.11 (J)	
10/12/2017		
3/26/2018		0.75
3/27/2018		
3/28/2018	<0.1	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	<0.1	
6/15/2018		0.51
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	<0.1	0.44
2/25/2019		
2/27/2019		
3/1/2019	0.12 (J)	0.24 (J)
4/2/2019		0.68
4/3/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
4/4/2019	<0.1	
5/2/2019		
9/26/2019		
9/27/2019		0.13 (J)
9/30/2019	0.065 (J)	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.1	0.057 (J)
3/19/2020		
3/20/2020		
3/23/2020		0.054 (J)
3/24/2020	<0.1	
3/25/2020		
9/24/2020		
9/25/2020		<0.1
9/28/2020	<0.1	
2/18/2021		
2/19/2021		
2/23/2021	<0.1	
3/8/2021		<0.1
3/24/2021		
3/25/2021		<0.1
3/26/2021	<0.1	
3/29/2021		
7/19/2021		
7/20/2021		<0.1
8/18/2021		
8/19/2021	<0.1	<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	<0.1	
7/27/2022	0.051 (J)	
7/28/2022		
8/1/2022		0.09 (J)
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	0.053 (J)	
1/30/2023		
2/1/2023		0.092 (J)
2/2/2023		
2/7/2023		
8/17/2023	<0.1	
8/18/2023		
8/21/2023		0.065 (J)
8/22/2023		
8/23/2023		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.1	
2/6/2024		0.073 (J)
2/8/2024		
8/19/2024		
8/20/2024	0.055 (J)	
8/21/2024		
8/22/2024		0.087 (J)
2/6/2025		
2/7/2025		
2/10/2025	0.066 (J)	0.091 (J)
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							0.47		
9/3/2020									
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)	
4/1/2021									
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				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 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
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)
2/1/2023					0.13				
2/2/2023								0.098 (J)	
2/7/2023							0.11		
8/18/2023	<0.1	0.14	0.052 (J)						0.089 (J)
8/21/2023					0.11		0.12		
8/23/2023								0.11	
8/24/2023				0.1		0.14			
1/30/2024					0.096 (J)				
2/2/2024	<0.1								
2/5/2024			<0.1						
2/6/2024							0.25		
2/7/2024				0.15		0.14			0.072 (J)
2/8/2024		0.12						0.1	
8/19/2024	0.051 (J)								
8/20/2024			0.057 (J)		0.13				0.078 (J)
8/21/2024		0.13							
8/22/2024				0.15		0.16	0.58	0.16	
2/5/2025					0.14				
2/6/2025	0.055 (J)		0.065 (J)						
2/10/2025									0.085 (J)
2/11/2025				0.16		0.17	0.61		
2/12/2025		0.14							
2/18/2025								0.081 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		0.34
5/20/2020		0.4
9/2/2020	0.088 (J)	
9/3/2020		0.5
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	0.099 (J)	0.69
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)	
4/1/2021		0.72
8/19/2021		
8/20/2021		0.56
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		0.61
7/28/2022		0.55
7/29/2022	0.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/2/2022		
1/27/2023		
1/30/2023		0.64
1/31/2023		
2/1/2023	0.084 (J)	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	<0.1	
8/24/2023		0.52
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	0.064 (J)	0.5
2/8/2024		
8/19/2024		
8/20/2024		0.54
8/21/2024	0.078 (J)	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		0.56
2/12/2025	0.077 (J)	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	0.93	<0.1						
5/20/2020	0.78							
9/3/2020	0.87	<0.1						
1/28/2021					0.17	0.1		
2/18/2021		0.16						
2/23/2021					0.087 (J)	0.073 (J)		
3/8/2021	0.9							
3/29/2021	1							
3/30/2021					0.11	0.12		
3/31/2021		0.088 (J)						
4/19/2021			0.055 (J)	0.078 (J)				
7/20/2021	1.2							
8/18/2021		<0.1		<0.1				
8/23/2021	1.2				0.084 (J)	0.093 (J)		
8/24/2021			<0.1					
2/9/2022		0.11		0.08 (J)				
2/14/2022					0.13	0.1		
2/15/2022	0.89							
2/17/2022			<0.1					
4/28/2022								<0.1
7/26/2022		<0.1		0.12				
7/28/2022						0.14		
8/1/2022	0.86		0.087 (J)		0.16			
8/2/2022								0.055 (J)
1/25/2023		0.28		0.16				
1/31/2023					0.15	0.14		
2/1/2023			0.085 (J)					
2/2/2023								<0.1
2/7/2023	0.97							
8/15/2023		0.16		0.14				
8/21/2023					0.14			
8/22/2023			<0.1			0.098 (J)		
8/23/2023	1.1							
1/30/2024	0.82							
1/31/2024		0.12		0.12				
2/5/2024					0.13	0.085 (J)		
2/6/2024			0.063 (J)					
8/15/2024		0.082 (J)						
8/16/2024				0.085 (J)				
8/20/2024					0.18	0.14		
8/21/2024	0.81		0.074 (J)					
8/22/2024								0.071 (J)
12/3/2024							0.057 (J)	
2/5/2025		0.12		0.15				
2/6/2025					0.19			
2/7/2025						0.14		0.062 (J)
2/10/2025			0.087 (J)					
2/11/2025	0.89							
2/12/2025							0.076 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	0.0024						<0.001	<0.001	
6/7/2016						<0.001			<0.001
6/8/2016					<0.001				
8/9/2016	<0.001								
8/10/2016						<0.001		<0.001	
8/11/2016					<0.001		<0.001		
8/12/2016									
8/16/2016									<0.001
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001		<0.001	
10/5/2016							0.0005 (J)		
10/6/2016					<0.001				
10/7/2016									<0.001
11/29/2016	0.0002 (J)								
12/1/2016		<0.001						<0.001	
12/2/2016						<0.001			
12/5/2016							0.0002 (J)		
12/6/2016					<0.001				<0.001
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001		<0.001	
2/15/2017					<0.001		<0.001		
2/16/2017									<0.001
4/13/2017	<0.001							<0.001	
4/14/2017		<0.001				<0.001			
4/17/2017							0.0001 (J)		
4/18/2017					<0.001				<0.001
5/25/2017	0.0001 (J)	<0.001						<0.001	
5/26/2017						0.0003 (J)	0.0001 (J)		
6/2/2017					<0.001				<0.001
7/7/2017	<0.001							<0.001	
7/10/2017		<0.001				<0.001			
7/11/2017							<0.001		
7/12/2017									<0.001
7/13/2017									
7/14/2017					<0.001				
3/26/2018	<0.001	<0.001				<0.001			
3/27/2018					<0.001		<0.001		<0.001
3/28/2018									
2/25/2019	<0.001					<0.001			
2/27/2019		<0.001							
2/28/2019					<0.001				<0.001
4/1/2019	<0.001	<0.001				<0.001	9.2E-05 (J)		
4/2/2019					<0.001			7E-05 (J)	<0.001
9/23/2019	<0.001	<0.001						<0.001	
9/24/2019					<0.001	<0.001	5.6E-05 (J)		
9/25/2019									0.00019 (J)
2/18/2020	<0.001							<0.001	
2/19/2020		<0.001				0.00014 (J)			
2/20/2020							8.2E-05 (J)		0.00014 (J)
2/21/2020					<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/24/2020									
3/18/2020	<0.001	<0.001				<0.001			
3/19/2020					<0.001		6.3E-05 (J)	<0.001	
3/23/2020									<0.001
5/22/2020			8.9E-05 (J)						
5/25/2020				0.00013 (J)					
6/23/2020			5.8E-05 (J)	8.1E-05 (J)					
7/28/2020			5.7E-05 (J)	5.2E-05 (J)					
9/2/2020			7.4E-05 (J)						
9/3/2020				3.8E-05 (J)					
9/23/2020	0.00014 (J)	<0.001				<0.001		6.4E-05 (J)	
9/24/2020							<0.001		<0.001
9/25/2020					<0.001				
10/1/2020			0.00021 (J)	0.00014 (J)					
11/10/2020			6.5E-05 (J)	0.00013 (J)					
12/15/2020			8E-05 (J)	0.00011 (J)					
1/20/2021			7.2E-05 (J)	0.00025 (J)					
2/16/2021	0.00011 (J)	4.2E-05 (J)				0.0001 (J)			
2/17/2021			0.00015 (J)	0.00026 (J)			7.5E-05 (J)		
2/18/2021					<0.001			5.7E-05 (J)	<0.001
2/19/2021									
3/23/2021		<0.001							
3/24/2021						0.00015 (J)	<0.001		
3/25/2021			<0.001	0.00011 (J)					
3/26/2021	6.8E-05 (J)								
3/30/2021					<0.001				<0.001
3/31/2021								0.00016 (J)	
8/16/2021	<0.001	<0.001	<0.001	<0.001				<0.001	
8/18/2021						<0.001	<0.001		<0.001
8/19/2021					<0.001				
2/9/2022	<0.001		<0.001	<0.001				<0.001	
2/10/2022		<0.001				<0.001	<0.001		
2/11/2022					<0.001				<0.001
7/26/2022	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
7/27/2022									
7/28/2022					<0.001				<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	<0.001		
1/27/2023									<0.001
8/15/2023			<0.001					<0.001	
8/16/2023		<0.001		<0.001		<0.001			
8/17/2023					<0.001		<0.001		<0.001
8/21/2023	<0.001								
1/31/2024			<0.001	<0.001				<0.001	
2/1/2024						<0.001	<0.001		<0.001
2/2/2024					<0.001				
2/5/2024		<0.001							
2/8/2024	<0.001								
8/15/2024			<0.001	<0.001				<0.001	
8/16/2024					<0.001	<0.001			
8/19/2024							<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/20/2024									<0.001
8/21/2024	<0.001	<0.001							
2/4/2025			<0.001	<0.001				<0.001	
2/5/2025						<0.001	<0.001		
2/6/2025		<0.001			<0.001				<0.001
2/10/2025	<0.001								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.001	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	0.0001 (J)	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	0.0002 (J)	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	0.0003 (J)	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.001	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.001	
5/25/2017		
5/26/2017		
6/2/2017	0.0001 (J)	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	0.0001 (J)	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.001	
2/25/2019		
2/27/2019		
2/28/2019	<0.001	
4/1/2019	<0.001	
4/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	0.00063 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/24/2020	<0.001	
3/18/2020		
3/19/2020	<0.001	
3/23/2020		
5/22/2020		7.3E-05 (J)
5/25/2020		
6/23/2020		<0.001
7/28/2020		<0.001
9/2/2020		<0.001
9/3/2020		
9/23/2020		
9/24/2020		
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
2/16/2021		
2/17/2021		
2/18/2021		<0.001
2/19/2021	8.7E-05 (J)	
3/23/2021		
3/24/2021	0.00013 (J)	<0.001
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.001	<0.001
8/19/2021		
2/9/2022		<0.001
2/10/2022		
2/11/2022	<0.001	
7/26/2022		<0.001
7/27/2022	<0.001	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.001	<0.001
1/27/2023		
8/15/2023		
8/16/2023	<0.001	<0.001
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.001	<0.001
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		<0.001
8/19/2024	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.001	<0.001
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.001	<0.001							
6/8/2016			<0.001	<0.001	<0.001	<0.001	<0.001		
6/9/2016								<0.001	0.00059 (J)
8/11/2016	<0.001	<0.001							
8/12/2016			0.0001 (J)	<0.001	<0.001				
8/15/2016									
8/18/2016						<0.001	<0.001	<0.001	<0.001
10/7/2016	<0.001	<0.001	<0.001	<0.001					
10/10/2016					<0.001	<0.001	<0.001	<0.001	<0.001
12/6/2016	<0.001	<0.001	0.0001 (J)						
12/7/2016				<0.001	<0.001			<0.001	<0.001
12/8/2016						<0.001	<0.001		
1/23/2017									
2/7/2017									
2/16/2017	<0.001	<0.001	0.0002 (J)	<0.001					
2/17/2017					<0.001	<0.001	<0.001		
2/20/2017								<0.001	<0.001
3/27/2017									
4/17/2017									
4/18/2017	<0.001								
4/19/2017		<0.001	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001	<0.001
4/20/2017							<0.001		
5/22/2017									
5/30/2017	0.0001 (J)	<0.001							
6/1/2017			9E-05 (J)	<0.001	0.0001 (J)	<0.001			
6/5/2017							<0.001	<0.001	7E-05 (J)
7/11/2017									
7/14/2017	0.0002 (J)	<0.001	0.0001 (J)	<0.001					
7/17/2017								<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	<0.001					
3/28/2018					<0.001	<0.001			
3/29/2018							<0.001	<0.001	<0.001
2/25/2019	<0.001								
2/27/2019		<0.001	<0.001		<0.001				
3/1/2019				<0.001			0.00033 (J)	<0.001	<0.001
4/2/2019	<0.001	<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									
9/26/2019	0.00034 (J)	<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
2/20/2020	0.00014 (J)								
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
3/19/2020	0.00013 (J)	<0.001							
3/20/2020			<0.001	<0.001		6E-05 (J)	<0.001		
3/23/2020					<0.001			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/24/2020									
3/25/2020									5.4E-05 (J)
9/24/2020	0.00021 (J)	<0.001	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)	
9/25/2020									0.0001 (J)
9/28/2020				3.8E-05 (J)	8.3E-05 (J)				
2/18/2021	0.00013 (J)	<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									
3/8/2021									
3/24/2021	8E-05 (J)	<0.001	<0.001						
3/25/2021									
3/26/2021				<0.001				0.00031 (J)	7.1E-05 (J)
3/29/2021					<0.001	9.4E-05 (J)	6.1E-05 (J)		
8/18/2021	<0.001								
8/19/2021		<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	<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			
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
1/26/2023	<0.001	<0.001	<0.001						
1/27/2023				<0.001		<0.001			
1/30/2023					<0.001				
2/1/2023									<0.001
2/2/2023								<0.001	
2/7/2023							<0.001		
8/17/2023	0.00041 (J)	<0.001	<0.001						
8/18/2023				<0.001	<0.001				
8/21/2023									
8/22/2023							0.00014 (J)		
8/23/2023						<0.001		<0.001	
8/25/2023									<0.001
1/30/2024									<0.001
2/1/2024	0.00055 (J)	<0.001							
2/2/2024			<0.001	0.00018 (J)					
2/5/2024					<0.001	<0.001			
2/6/2024									
2/8/2024							<0.001	<0.001	
8/19/2024	0.00021 (J)	<0.001	<0.001	<0.001					
8/20/2024					<0.001				
8/21/2024							<0.001		<0.001
8/22/2024						<0.001		<0.001	
2/6/2025	0.00027 (J)				<0.001				
2/7/2025		<0.001	<0.001	<0.001					
2/10/2025						<0.001			
2/11/2025								<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/13/2025							<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.001	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.0005 (J)	
8/18/2016		
10/7/2016		
10/10/2016	<0.001	
12/6/2016		
12/7/2016		
12/8/2016	0.0006 (J)	
1/23/2017		0.0003 (J)
2/7/2017		0.0002 (J)
2/16/2017		
2/17/2017		
2/20/2017	0.0004 (J)	
3/27/2017		8E-05 (J)
4/17/2017		<0.001
4/18/2017		
4/19/2017		
4/20/2017	0.0002 (J)	
5/22/2017		<0.001
5/30/2017		
6/1/2017	7E-05 (J)	
6/5/2017		<0.001
7/11/2017		8E-05 (J)
7/14/2017		
7/17/2017	<0.001	
7/18/2017		
7/19/2017		
8/23/2017		<0.001
3/26/2018		<0.001
3/27/2018		
3/28/2018	<0.001	
3/29/2018		
2/25/2019		
2/27/2019		
3/1/2019	<0.001	<0.001
4/2/2019		<0.001
4/3/2019		
4/4/2019	<0.001	
9/26/2019		
9/27/2019		0.00018 (J)
9/30/2019	<0.001	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.001	0.00035 (J)
3/19/2020		
3/20/2020		
3/23/2020		0.00011 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/24/2020	<0.001	
3/25/2020		
9/24/2020		
9/25/2020		0.00016 (J)
9/28/2020	5.1E-05 (J)	
2/18/2021		
2/19/2021		
2/23/2021	7.4E-05 (J)	
3/8/2021		0.00018 (J)
3/24/2021		
3/25/2021		0.00015 (J)
3/26/2021	0.00013 (J)	
3/29/2021		
8/18/2021		
8/19/2021	<0.001	<0.001
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.001
2/15/2022		
2/16/2022	<0.001	
7/27/2022	<0.001	
7/28/2022		
8/1/2022		<0.001
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.001	
1/30/2023		
2/1/2023		<0.001
2/2/2023		
2/7/2023		
8/17/2023	<0.001	
8/18/2023		
8/21/2023		0.00017 (J)
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.001	
2/6/2024		<0.001
2/8/2024		
8/19/2024		
8/20/2024	<0.001	
8/21/2024		
8/22/2024		<0.001
2/6/2025		
2/7/2025		
2/10/2025	<0.001	<0.001
2/11/2025		

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/13/2025		

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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	
4/1/2021									
8/19/2021							<0.001		
8/20/2021	<0.001			<0.001		<0.001			
8/23/2021					<0.001				
8/24/2021			<0.001					<0.001	<0.001
8/25/2021		<0.001							
2/14/2022					<0.001		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	<0.001		<0.001			<0.001
7/29/2022		<0.001			<0.001				
8/2/2022							<0.001	<0.001	
1/27/2023	<0.001								
1/30/2023			<0.001	<0.001		<0.001			
1/31/2023		<0.001							<0.001
2/1/2023					<0.001				
2/2/2023								<0.001	
2/7/2023							<0.001		
8/18/2023	0.00024 (J)	<0.001	<0.001						<0.001
8/21/2023					<0.001		0.00014 (J)		
8/23/2023								<0.001	
8/24/2023				<0.001		0.00014 (J)			
1/30/2024					<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/2/2024	0.00043 (J)								
2/5/2024			<0.001						
2/6/2024							<0.001		
2/7/2024				<0.001		<0.001			<0.001
2/8/2024		<0.001						<0.001	
8/19/2024	0.00019 (J)								
8/20/2024			<0.001		<0.001				<0.001
8/21/2024		<0.001							
8/22/2024				<0.001		<0.001	<0.001	<0.001	
2/5/2025					<0.001				
2/6/2025	<0.001		<0.001						
2/10/2025									<0.001
2/11/2025				<0.001		<0.001	<0.001		
2/12/2025		<0.001							
2/18/2025								<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
9/3/2020		<0.001
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.001	4.1E-05 (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	3.6E-05 (J)	
4/1/2021		4.4E-05 (J)
8/19/2021		
8/20/2021		<0.001
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		<0.001
7/28/2022		<0.001
7/29/2022	<0.001	
8/2/2022		
1/27/2023		
1/30/2023		<0.001
1/31/2023		
2/1/2023	<0.001	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	<0.001	
8/24/2023		<0.001
1/30/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.001	<0.001
2/8/2024		
8/19/2024		
8/20/2024		<0.001
8/21/2024	<0.001	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.001
2/12/2025	<0.001	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.00012 (J)	<0.001						
1/28/2021					0.00016 (J)	5.4E-05 (J)		
2/18/2021		0.00017 (J)						
2/23/2021					0.00015 (J)	0.0001 (J)		
3/8/2021	<0.001							
3/29/2021	<0.001							
3/30/2021					0.00022 (J)	0.00011 (J)		
3/31/2021		<0.001						
4/19/2021			4.4E-05 (J)	0.00014 (J)				
8/18/2021		<0.001		<0.001				
8/23/2021	<0.001				<0.001	<0.001		
8/24/2021			<0.001					
2/9/2022		<0.001		<0.001				
2/14/2022					<0.001	<0.001		
2/15/2022	<0.001							
2/17/2022			<0.001					
4/28/2022								<0.001
7/26/2022		<0.001		<0.001				
7/28/2022						<0.001		
8/1/2022	<0.001		<0.001		<0.001			
8/2/2022								<0.001
1/25/2023		<0.001		<0.001				
1/31/2023					<0.001	<0.001		
2/1/2023			<0.001					
2/2/2023								<0.001
2/7/2023	<0.001							
8/15/2023		<0.001		<0.001				
8/21/2023					<0.001			
8/22/2023			<0.001			<0.001		
8/23/2023	<0.001							
1/30/2024	<0.001							
1/31/2024		<0.001		<0.001				
2/5/2024					<0.001	<0.001		
2/6/2024			<0.001					
8/15/2024		<0.001						
8/16/2024				<0.001				
8/20/2024					<0.001	<0.001		
8/21/2024	<0.001		<0.001					
8/22/2024								<0.001
12/3/2024							<0.001	
2/5/2025		<0.001		<0.001				
2/6/2025					<0.001			
2/7/2025						<0.001		<0.001
2/10/2025			<0.001					
2/11/2025	<0.001							
2/12/2025							<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.03						<0.03	<0.03	
6/7/2016						<0.03			0.0065
6/8/2016					0.0079				
8/9/2016	<0.03								
8/10/2016						<0.03		<0.03	
8/11/2016					0.0093 (J)		<0.03		
8/12/2016									
8/16/2016									<0.03
8/22/2016		<0.03							
10/3/2016	<0.03								
10/4/2016		<0.03				<0.03		<0.03	
10/5/2016							<0.03		
10/6/2016					0.0102 (J)				
10/7/2016									<0.03
11/29/2016	<0.03								
12/1/2016		<0.03						<0.03	
12/2/2016						<0.03			
12/5/2016							<0.03		
12/6/2016					0.0094 (J)				<0.03
1/10/2017		<0.03							
2/13/2017	<0.03								
2/14/2017		<0.03				<0.03		<0.03	
2/15/2017					<0.05		<0.03		
2/16/2017									<0.03
4/13/2017	<0.03							<0.03	
4/14/2017		<0.03				<0.03			
4/17/2017							0.0013 (J)		
4/18/2017					0.0086 (J)				0.0011 (J)
5/25/2017	<0.03	<0.03						<0.03	
5/26/2017						<0.03	0.0013 (J)		
6/2/2017					0.0102 (J)				0.0011 (J)
7/7/2017	<0.03							<0.03	
7/10/2017		<0.03				<0.03			
7/11/2017							<0.03		
7/12/2017									<0.03
7/13/2017									
7/14/2017					0.0092 (J)				
3/26/2018	<0.03	<0.03				<0.03			
3/27/2018					0.0087 (J)		0.0014 (J)		0.0025 (J)
3/28/2018									
6/12/2018	<0.03	<0.03				<0.03	0.0012 (J)		
6/13/2018					0.0084 (J)				
6/14/2018									0.0011 (J)
10/16/2018	<0.03	<0.03				0.001 (J)		<0.03	
10/17/2018							<0.03		
10/18/2018					0.0083 (J)				0.0016 (J)
2/25/2019	<0.03					<0.03			
2/27/2019		<0.03							
2/28/2019					0.0086 (J)				0.0017 (J)
4/1/2019	<0.03	0.00059 (J)				<0.03	0.0012 (J)		
4/2/2019					0.0073 (J)			<0.03	0.0012 (J)
9/23/2019	<0.03	0.00089 (J)						<0.03	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/24/2019					0.0083 (J)	<0.03	0.0011 (J)		
9/25/2019									<0.03
2/18/2020	<0.03							<0.03	
2/19/2020		<0.03				<0.03			
2/20/2020							0.002 (J)		0.00093 (J)
2/21/2020					0.0088 (J)				
2/24/2020									
3/18/2020	<0.03	<0.03				<0.03			
3/19/2020					0.0097 (J)		0.0019 (J)	<0.03	
3/23/2020									0.00084 (J)
5/22/2020			<0.03						
5/25/2020				0.0011 (J)					
6/23/2020			<0.03	<0.03					
7/28/2020			<0.03	0.0014 (J)					
9/2/2020			<0.03						
9/3/2020				0.0014 (J)					
9/23/2020	<0.03	0.00085 (J)				<0.03		<0.03	
9/24/2020							0.0011 (J)		0.0013 (J)
9/25/2020					0.0065 (J)				
10/1/2020			<0.03	0.0011 (J)					
11/10/2020			<0.03	<0.03					
12/15/2020			<0.03	0.00089 (J)					
1/20/2021			<0.03	0.00091 (J)					
2/16/2021	<0.03	<0.03				<0.03			
2/17/2021			<0.03	0.00099 (J)			0.0013 (J)		
2/18/2021					0.0072 (J)			<0.03	0.0011 (J)
2/19/2021									
3/23/2021		0.00087 (J)							
3/24/2021						<0.03	0.0014 (J)		
3/25/2021			<0.03	<0.03					
3/26/2021	<0.03								
3/30/2021					0.0084 (J)				0.00092 (J)
3/31/2021								0.00082 (J)	
8/16/2021	<0.03	0.00093 (J)	<0.03	<0.03				<0.03	
8/18/2021						<0.03	0.0013 (J)		<0.03
8/19/2021					0.007 (J)				
2/9/2022	<0.03		0.00083 (J)	<0.03				<0.03	
2/10/2022		<0.03				<0.03	0.0016 (J)		
2/11/2022					0.0074 (J)				0.00079 (J)
7/26/2022	<0.03	0.00095 (J)	0.00073 (J)	<0.03		<0.03	0.0014 (J)	<0.03	
7/27/2022									
7/28/2022					0.0061 (J)				0.00076 (J)
1/24/2023	<0.03	<0.03	<0.03	<0.03					
1/25/2023								<0.03	
1/26/2023					0.0065 (J)	<0.03	0.0018 (J)		
1/27/2023									0.00082 (J)
8/15/2023			<0.03					<0.03	
8/16/2023		0.00086 (J)		<0.03		<0.03			
8/17/2023					0.0059 (J)		0.0015 (J)		<0.03
8/21/2023	<0.03								
1/31/2024			<0.03	<0.03				<0.03	
2/1/2024						<0.03	0.002 (J)		<0.03

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/2/2024					0.0066 (J)				
2/5/2024		<0.03							
2/8/2024	<0.03								
8/15/2024			<0.03	<0.03				<0.03	
8/16/2024					0.0057 (J)	<0.03			
8/19/2024							<0.03		
8/20/2024									<0.03
8/21/2024	<0.03	<0.03							
2/4/2025			0.000632 (J)	<0.03				<0.03	
2/5/2025						<0.03	0.00148 (J)		
2/6/2025		0.00139 (J)			0.0063 (J)				0.00129 (J)
2/10/2025	<0.03								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.03	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.03	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.03	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.03	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.03	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.03	
5/25/2017		
5/26/2017		
6/2/2017	<0.03	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.03	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.03	
6/12/2018		
6/13/2018		
6/14/2018	<0.03	
10/16/2018		
10/17/2018	<0.03	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	0.0011 (J)	
4/1/2019	0.00078 (J)	
4/2/2019		
9/23/2019		

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/24/2019		
9/25/2019	0.001 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	0.00091 (J)	
3/18/2020		
3/19/2020	0.00097 (J)	
3/23/2020		
5/22/2020		<0.03
5/25/2020		
6/23/2020		<0.03
7/28/2020		<0.03
9/2/2020		0.00095 (J)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	0.001 (J)	
10/1/2020		0.00095 (J)
11/10/2020		<0.03
12/15/2020		0.00091 (J)
1/20/2021		0.00082 (J)
2/16/2021		
2/17/2021		
2/18/2021		<0.03
2/19/2021	0.0011 (J)	
3/23/2021		
3/24/2021	0.0012 (J)	<0.03
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	0.0013 (J)	0.00087 (J)
8/19/2021		
2/9/2022		<0.03
2/10/2022		
2/11/2022	0.0011 (J)	
7/26/2022		0.0011 (J)
7/27/2022	0.0014 (J)	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.0013 (J)	0.00077 (J)
1/27/2023		
8/15/2023		
8/16/2023	0.0016 (J)	0.0016 (J)
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.03	0.0019 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.0019 (J)
8/19/2024	0.0017 (J)	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	0.00153 (J)	0.00137 (J)
2/6/2025		
2/10/2025		

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.03	<0.03							
6/8/2016			<0.03	<0.03	0.016	<0.03	0.012		
6/9/2016								0.0074	0.0057
8/11/2016	<0.03	<0.03							
8/12/2016			<0.03	<0.03	0.0202 (J)				
8/15/2016									
8/18/2016						<0.03	0.0118 (J)	0.0078 (J)	0.0061 (J)
10/7/2016	<0.03	<0.03	<0.03	<0.03					
10/10/2016					0.0194 (J)	<0.03	0.0137 (J)	0.0093 (J)	0.006 (J)
12/6/2016	<0.03	<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)		
1/23/2017									
2/7/2017									
2/16/2017	<0.03	<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)
3/27/2017									
4/17/2017									
4/18/2017	<0.03								
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)		
5/22/2017									
5/30/2017	<0.03	<0.03							
6/1/2017			<0.03	<0.03	0.023 (J)	<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	<0.03					
7/17/2017								0.0095 (J)	<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	<0.03					
3/28/2018					0.013 (J)	<0.03			
3/29/2018							0.021 (J)	0.014 (J)	0.0053 (J)
6/12/2018	<0.03								
6/13/2018					0.02 (J)			0.014 (J)	0.0067 (J)
6/14/2018		<0.03	<0.03			<0.03	0.024 (J)		
6/15/2018				<0.03					
10/17/2018		<0.03							
10/18/2018	<0.03		<0.03						
10/19/2018				<0.03		<0.03			
10/22/2018					0.016 (J)		0.034 (J)	0.016 (J)	0.0075 (J)
2/25/2019	<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)
4/2/2019	0.00049 (J)	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									
9/26/2019	<0.03	<0.03	<0.03	<0.03	0.018 (J)				
9/27/2019							0.039	0.024 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/30/2019						<0.03			0.0077 (J)
2/20/2020	<0.03								
2/24/2020		<0.03	<0.03	<0.03	0.021 (J)				
2/25/2020							0.026 (J)	0.033	
2/26/2020						<0.03			0.0082 (J)
3/19/2020	<0.03	<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									
3/25/2020									0.0078 (J)
9/24/2020	<0.03	<0.03	<0.03			<0.03	0.043	0.031	
9/25/2020									0.0078 (J)
9/28/2020				<0.03	0.027 (J)				
2/18/2021	<0.03	<0.03	<0.03	<0.03	0.041				
2/19/2021						<0.03	0.035	0.04	0.0086 (J)
2/23/2021									
3/8/2021									
3/24/2021	<0.03	<0.03	<0.03						
3/25/2021									
3/26/2021				<0.03				0.039 (J)	<0.03
3/29/2021					0.036	<0.03	0.033		
8/18/2021	<0.03								
8/19/2021		<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	<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			
7/27/2022	<0.03	<0.03	<0.03	<0.03	0.037				
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	<0.03						
1/27/2023				<0.03		<0.03			
1/30/2023					0.059				
2/1/2023									0.0063 (J)
2/2/2023								0.025 (J)	
2/7/2023							0.018 (J)		
8/17/2023	<0.03	<0.03	<0.03						
8/18/2023				<0.03	0.078				
8/21/2023									
8/22/2023							0.021 (J)		
8/23/2023						<0.03		0.016 (J)	
8/25/2023									0.0058 (J)
1/30/2024									0.0054 (J)
2/1/2024	<0.03	<0.03							
2/2/2024			<0.03	<0.03					
2/5/2024					0.095	<0.03			
2/6/2024									
2/8/2024							0.021 (J)	0.019 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/19/2024	<0.03	<0.03	<0.03	<0.03					
8/20/2024					0.099				
8/21/2024							0.021 (J)		0.0045 (J)
8/22/2024						<0.03		0.019 (J)	
2/6/2025	0.00112 (J)				0.0861				
2/7/2025		<0.03	<0.03	<0.03					
2/10/2025						<0.03			
2/11/2025								0.0128 (J)	0.00445 (J)
2/13/2025							0.014 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.03	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.03	
8/18/2016		
10/7/2016		
10/10/2016	<0.03	
12/6/2016		
12/7/2016		
12/8/2016	<0.03	
1/23/2017		0.0171 (J)
2/7/2017		0.0196 (J)
2/16/2017		
2/17/2017		
2/20/2017	<0.03	
3/27/2017		0.0192 (J)
4/17/2017		0.0169 (J)
4/18/2017		
4/19/2017		
4/20/2017	<0.03	
5/22/2017		0.0167 (J)
5/30/2017		
6/1/2017	<0.03	
6/5/2017		0.0177 (J)
7/11/2017		0.0203 (J)
7/14/2017		
7/17/2017	<0.03	
7/18/2017		
7/19/2017		
8/23/2017		0.0182 (J)
3/26/2018		0.0063 (J)
3/27/2018		
3/28/2018	<0.03	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	<0.03	
6/15/2018		0.0049 (J)
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	<0.03	0.005 (J)
2/25/2019		
2/27/2019		
3/1/2019	<0.03	0.0044 (J)
4/2/2019		0.0041 (J)
4/3/2019		
4/4/2019	<0.03	
9/26/2019		
9/27/2019		0.0012 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/30/2019	<0.03	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.03	0.00096 (J)
3/19/2020		
3/20/2020		
3/23/2020		0.0014 (J)
3/24/2020	<0.03	
3/25/2020		
9/24/2020		
9/25/2020		0.0011 (J)
9/28/2020	<0.03	
2/18/2021		
2/19/2021		
2/23/2021	<0.03	
3/8/2021		0.0012 (J)
3/24/2021		
3/25/2021		<0.03
3/26/2021	<0.03	
3/29/2021		
8/18/2021		
8/19/2021	<0.03	0.0012 (J)
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		0.0015 (J)
2/15/2022		
2/16/2022	<0.03	
7/27/2022	<0.03	
7/28/2022		
8/1/2022		0.0012 (J)
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.03	
1/30/2023		
2/1/2023		0.0018 (J)
2/2/2023		
2/7/2023		
8/17/2023	<0.03	
8/18/2023		
8/21/2023		0.0012 (J)
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.03	
2/6/2024		<0.03
2/8/2024		

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/19/2024		
8/20/2024	<0.03	
8/21/2024		
8/22/2024		<0.03
2/6/2025		
2/7/2025		
2/10/2025	<0.03	<0.03
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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)	
4/1/2021									
8/19/2021							0.0066 (J)		
8/20/2021	<0.03			0.016 (J)		0.004 (J)			
8/23/2021					0.0022 (J)				
8/24/2021			<0.03					0.0056 (J)	0.001 (J)
8/25/2021		<0.03							
2/14/2022					0.002 (J)		0.0061 (J)		
2/15/2022									
2/16/2022	<0.03	<0.15 (O)	<0.03					0.0042 (J)	<0.15 (O)
2/17/2022				0.018 (J)		<0.15 (O)			
7/28/2022	<0.03		<0.03	0.016 (J)		0.0026 (J)			<0.03
7/29/2022		<0.03			0.0012 (J)				
8/2/2022							0.009 (J)	0.0038 (J)	
1/27/2023	<0.03								
1/30/2023			<0.03	0.021 (J)		0.0025 (J)			
1/31/2023		<0.03							<0.03
2/1/2023					0.0013 (J)				
2/2/2023								0.0029 (J)	
2/7/2023							0.0011 (J)		
8/18/2023	<0.03	<0.03	<0.03						<0.03

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 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
8/21/2023					0.0012 (J)		<0.15 (o)		
8/23/2023								0.0034 (J)	
8/24/2023				0.023 (J)		0.003 (J)			
1/30/2024					0.0016 (J)				
2/2/2024	<0.03								
2/5/2024			<0.03						
2/6/2024							0.0023 (J)		
2/7/2024				0.023 (J)		0.0029 (J)			<0.03
2/8/2024		<0.03						0.0048 (J)	
8/19/2024	<0.03								
8/20/2024			<0.03		<0.03				<0.03
8/21/2024		<0.03							
8/22/2024				0.022 (J)		0.0026 (J)	0.006 (J)	0.0062 (J)	
2/5/2025					0.00128 (J)				
2/6/2025	<0.03		0.000849 (J)						
2/10/2025									<0.03
2/11/2025				0.0175 (J)		0.00218 (J)	0.0075 (J)		
2/12/2025		<0.03							
2/18/2025								0.00244 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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)	
9/3/2020		0.0014 (J)
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	0.0017 (J)	<0.03
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)	
4/1/2021		0.0022 (J)
8/19/2021		
8/20/2021		0.0012 (J)
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		<0.15 (O)
7/28/2022		0.0016 (J)
7/29/2022	0.0018 (J)	
8/2/2022		
1/27/2023		
1/30/2023		<0.03
1/31/2023		
2/1/2023	0.0019 (J)	
2/2/2023		
2/7/2023		
8/18/2023		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/21/2023		
8/23/2023	<0.15 (o)	
8/24/2023		0.0017 (J)
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	0.0022 (J)	0.0021 (J)
2/8/2024		
8/19/2024		
8/20/2024		0.002 (J)
8/21/2024	0.002 (J)	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		0.00193 (J)
2/12/2025	0.00169 (J)	
2/18/2025		

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.023 (J)	0.0016 (J)						
1/28/2021					0.0017 (J)	0.0037 (J)		
2/18/2021		0.0035 (J)						
2/23/2021					0.0015 (J)	0.0038 (J)		
3/8/2021	0.024 (J)							
3/29/2021	0.026 (J)							
3/30/2021					0.0035 (J)	0.0038 (J)		
3/31/2021		0.0029 (J)						
4/19/2021			0.0083 (J)	<0.03				
8/18/2021		0.0027 (J)		<0.03				
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				
2/14/2022					<0.03	0.002 (J)		
2/15/2022	0.027 (J)							
2/17/2022			0.0076 (J)					
4/28/2022								<0.03
7/26/2022		0.0037 (J)		<0.03				
7/28/2022						0.00088 (J)		
8/1/2022	0.025 (J)		0.0057 (J)		<0.03			
8/2/2022								<0.03
1/25/2023		0.004 (J)		0.0019 (J)				
1/31/2023					<0.03	0.0011 (J)		
2/1/2023			0.0042 (J)					
2/2/2023								<0.03
2/7/2023	0.016 (J)							
8/15/2023		0.0063 (J)		0.0015 (J)				
8/21/2023					<0.03			
8/22/2023			0.0065 (J)			<0.03		
8/23/2023	0.022 (J)							
1/30/2024	0.017 (J)							
1/31/2024		0.0059 (J)		0.0019 (J)				
2/5/2024					<0.03	<0.03		
2/6/2024			0.0058 (J)					
8/15/2024		0.0053 (J)						
8/16/2024				<0.03				
8/20/2024					<0.03	<0.03		
8/21/2024	0.019 (J)		0.0062 (J)					
8/22/2024								<0.03
12/3/2024							0.0018 (J)	
2/5/2025		0.0031 (J)		0.00175 (J)				
2/6/2025					<0.03			
2/7/2025						0.00105 (J)		0.000796 (J)
2/10/2025			0.00469 (J)					
2/11/2025	0.0172 (J)							
2/12/2025							0.00115 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	7.7E-05 (J)						8E-05 (J)	8.4E-05 (J)	
6/7/2016						9.7E-05 (J)			0.0001 (J)
6/8/2016					<0.0002				
8/9/2016	<0.0002								
8/10/2016						<0.0002		<0.0002	
8/11/2016					<0.0002		<0.0002		
8/12/2016									
8/16/2016									<0.0002
8/22/2016		<0.0002							
10/3/2016	<0.0002								
10/4/2016		<0.0002				<0.0002		<0.0002	
10/5/2016							<0.0002		
10/6/2016					<0.0002				
10/7/2016									<0.0002
11/29/2016	<0.0002								
12/1/2016		<0.0002						<0.0002	
12/2/2016						<0.0002			
12/5/2016							<0.0002		
12/6/2016					<0.0002				<0.0002
1/10/2017		<0.0002							
2/13/2017	<0.0002								
2/14/2017		<0.0002				<0.0002		<0.0002	
2/15/2017					<0.0002		<0.0002		
2/16/2017									<0.0002
4/13/2017	<0.0002							<0.0002	
4/14/2017		<0.0002				<0.0002			
4/17/2017							<0.0002		
4/18/2017					<0.0002				<0.0002
5/25/2017	<0.0002	<0.0002						<0.0002	
5/26/2017						<0.0002	<0.0002		
6/2/2017					<0.0002				<0.0002
7/7/2017	<0.0002							<0.0002	
7/10/2017		<0.0002				<0.0002			
7/11/2017							<0.0002		
7/12/2017									<0.0002
7/13/2017									
7/14/2017					<0.0002				
3/26/2018	<0.0002	<0.0002				<0.0002			
3/27/2018					<0.0002		<0.0002		<0.0002
3/28/2018									
2/25/2019	<0.0002					<0.0002			
2/27/2019		6.5E-05 (J)							
2/28/2019					5.3E-05 (J)				4.8E-05 (J)
4/1/2019	<0.0002	<0.0002				<0.0002	<0.0002		
4/2/2019					<0.0002			<0.0002	<0.0002
9/23/2019	<0.0002	<0.0002						<0.0002	
9/24/2019					<0.0002	<0.0002	<0.0002		
9/25/2019									<0.0002
2/18/2020	<0.0002							<0.0002	
2/19/2020		<0.0002				<0.0002			
2/20/2020							<0.0002		<0.0002
2/21/2020					<0.0002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/24/2020									
3/18/2020	<0.0002	<0.0002				<0.0002			
3/19/2020					<0.0002		<0.0002	<0.0002	
3/23/2020									<0.0002
5/22/2020			<0.0002						
5/25/2020				<0.0002					
6/23/2020			<0.0002	<0.0002					
7/28/2020			<0.0002	<0.0002					
9/2/2020			<0.0002						
9/3/2020				<0.0002					
9/23/2020	<0.0002	<0.0002				<0.0002		<0.0002	
9/24/2020							<0.0002		<0.0002
9/25/2020					<0.0002				
10/1/2020			<0.0002	<0.0002					
11/10/2020			<0.0002	<0.0002					
12/15/2020			<0.0002	<0.0002					
1/20/2021			<0.0002	<0.0002					
2/16/2021	<0.0002	<0.0002				<0.0002			
2/17/2021			<0.0002	<0.0002			<0.0002		
2/18/2021					<0.0002			<0.0002	<0.0002
2/19/2021									
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				<0.0002
3/31/2021								<0.0002	
8/16/2021	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	
8/18/2021						<0.0002	<0.0002		<0.0002
8/19/2021					<0.0002				
2/9/2022	<0.0002		<0.0002	<0.0002				<0.0002	
2/10/2022		<0.0002				<0.0002	<0.0002		
2/11/2022					<0.0002				<0.0002
7/26/2022	0.00019 (J)	0.00015 (J)	0.00022	0.00014 (J)		0.00016 (J)	0.00016 (J)	<0.0002	
7/27/2022									
7/28/2022					<0.0002				<0.0002
1/24/2023	<0.0002	<0.0002	0.00022	<0.0002					
1/25/2023								<0.0002	
1/26/2023					<0.0002	<0.0002	0.00013 (J)		
1/27/2023									0.00018 (J)
8/15/2023			<0.0002					<0.0002	
8/16/2023		<0.0002		<0.0002		<0.0002			
8/17/2023					<0.0002		<0.0002		<0.0002
8/21/2023	<0.0002								
1/31/2024			<0.0002	<0.0002				<0.0002	
2/1/2024						<0.0002	<0.0002		<0.0002
2/2/2024					<0.0002				
2/5/2024		<0.0002							
2/8/2024	<0.0002								
8/15/2024			<0.0002	<0.0002				<0.0002	
8/16/2024					<0.0002	<0.0002			
8/19/2024							<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/20/2024									<0.0002
8/21/2024	<0.0002	<0.0002							
2/4/2025			<0.0002	<0.0002				<0.0002	
2/5/2025						<0.0002	<0.0002		
2/6/2025		<0.0002			<0.0002				<0.0002
2/10/2025	<0.0002								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	0.0001 (J)	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.0002	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.0002	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.0002	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.0002	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.0002	
5/25/2017		
5/26/2017		
6/2/2017	<0.0002	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.0002	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.0002	
2/25/2019		
2/27/2019		
2/28/2019	5.8E-05 (J)	
4/1/2019	<0.0002	
4/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	<0.0002	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/24/2020	<0.0002	
3/18/2020		
3/19/2020	<0.0002	
3/23/2020		
5/22/2020		<0.0002
5/25/2020		
6/23/2020		<0.0002
7/28/2020		<0.0002
9/2/2020		<0.0002
9/3/2020		
9/23/2020		
9/24/2020		
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
2/16/2021		
2/17/2021		
2/18/2021		<0.0002
2/19/2021	<0.0002	
3/23/2021		
3/24/2021	<0.0002	<0.0002
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.0002	<0.0002
8/19/2021		
2/9/2022		<0.0002
2/10/2022		
2/11/2022	<0.0002	
7/26/2022		0.00016 (J)
7/27/2022	<0.0002	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	0.00013 (J)	<0.0002
1/27/2023		
8/15/2023		
8/16/2023	<0.0002	<0.0002
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.0002	0.00015 (J)
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		<0.0002
8/19/2024	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.0002	<0.0002
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	9.8E-05 (J)	0.00017 (J)							
6/8/2016			<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)		
6/9/2016								<0.0002	<0.0002
8/11/2016	<0.0002	0.00019 (J)							
8/12/2016			<0.0002	<0.0002	<0.0002				
8/15/2016									
8/18/2016						<0.0002	<0.0002	<0.0002	<0.0002
10/7/2016	<0.0002	0.00014 (J)	<0.0002	<0.0002					
10/10/2016					<0.0002	<0.0002	<0.0002	<0.0002	4E-05 (J)
12/6/2016	<0.0002	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		
1/23/2017									
2/7/2017									
2/16/2017	<0.0002	0.00017 (J)	<0.0002	<0.0002					
2/17/2017					<0.0002	<0.0002	<0.0002		
2/20/2017								<0.0002	5E-05 (J)
3/27/2017									
4/17/2017									
4/18/2017	<0.0002								
4/19/2017		0.00014 (J)	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)
4/20/2017							<0.0002		
5/22/2017									
5/30/2017	<0.0002	0.00023 (J)							
6/1/2017			<0.0002	<0.0002	<0.0002	<0.0002			
6/5/2017							<0.0002	<0.0002	0.00013 (J)
7/11/2017									
7/14/2017	<0.0002	0.00016 (J)	<0.0002	<0.0002					
7/17/2017								<0.0002	0.00013 (J)
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	<0.0002					
3/28/2018					<0.0002	<0.0002			
3/29/2018							<0.0002	<0.0002	<0.0002
2/25/2019	<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
4/2/2019	<0.0002	0.0004	<0.0002						
4/3/2019				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0013
4/4/2019									
9/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
9/27/2019							<0.0002	<0.0002	
9/30/2019						<0.0002			0.0011
2/20/2020	<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
3/19/2020	<0.0002	0.00017 (J)							
3/20/2020			<0.0002	<0.0002		<0.0002	<0.0002		
3/23/2020					<0.0002			<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/24/2020									
3/25/2020									0.0011
9/24/2020	<0.0002	0.00027 (J)	<0.0002			<0.0002	<0.0002	<0.0002	
9/25/2020									0.0036
9/28/2020				<0.0002	<0.0002				
2/18/2021	<0.0002	0.00017 (J)	<0.0002	<0.0002	<0.0002				
2/19/2021						<0.0002	<0.0002	<0.0002	0.0033
2/23/2021									
3/8/2021									
3/24/2021	<0.0002	0.00012 (J)	<0.0002						
3/25/2021									
3/26/2021				<0.0002				<0.0002	0.0058
3/29/2021					<0.0002	<0.0002	<0.0002		
8/18/2021	0.0002 (J)								
8/19/2021		<0.0002	<0.0002						
8/20/2021				<0.0002	<0.0002	<0.0002			
8/23/2021							<0.0002	<0.0002	0.00026
2/11/2022	<0.0002	<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			
7/27/2022	<0.0002	0.00025	<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	0.00015 (J)	0.00027	<0.0002						
1/27/2023				0.00018 (J)		0.00021			
1/30/2023					<0.0002				
2/1/2023									0.00059
2/2/2023								<0.0002	
2/7/2023							<0.0002		
8/17/2023	<0.0002	0.00031	<0.0002						
8/18/2023				<0.0002	<0.0002				
8/21/2023									
8/22/2023							<0.0002		
8/23/2023						<0.0002		0.00013 (J)	
8/25/2023									0.0023
1/30/2024									0.00062
2/1/2024	<0.0002	0.00031							
2/2/2024			<0.0002	<0.0002					
2/5/2024					<0.0002	<0.0002			
2/6/2024									
2/8/2024							<0.0002	<0.0002	
8/19/2024	<0.0002	0.00019 (J)	<0.0002	<0.0002					
8/20/2024					<0.0002				
8/21/2024							<0.0002		0.00072
8/22/2024						<0.0002		<0.0002	
2/6/2025	<0.0002				<0.0002				
2/7/2025		0.00017 (J)	<0.0002	<0.0002					
2/10/2025						<0.0002			
2/11/2025								<0.0002	0.00085

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/13/2025							<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.0002	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.0002	
8/18/2016		
10/7/2016		
10/10/2016	<0.0002	
12/6/2016		
12/7/2016		
12/8/2016	<0.0002	
1/23/2017		8E-05 (J)
2/7/2017		0.00011 (J)
2/16/2017		
2/17/2017		
2/20/2017	<0.0002	
3/27/2017		8E-05 (J)
4/17/2017		4E-05 (J)
4/18/2017		
4/19/2017		
4/20/2017	<0.0002	
5/22/2017		<0.0002
5/30/2017		
6/1/2017	<0.0002	
6/5/2017		6E-05 (J)
7/11/2017		9.1E-05 (J)
7/14/2017		
7/17/2017	<0.0002	
7/18/2017		
7/19/2017		
8/23/2017		5E-05 (J)
3/26/2018		<0.0002
3/27/2018		
3/28/2018	<0.0002	
3/29/2018		
2/25/2019		
2/27/2019		
3/1/2019	4.7E-05 (J)	0.0001 (J)
4/2/2019		<0.0002
4/3/2019		
4/4/2019	<0.0002	
9/26/2019		
9/27/2019		<0.0002
9/30/2019	<0.0002	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.0002	<0.0002
3/19/2020		
3/20/2020		
3/23/2020		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/24/2020	<0.0002	
3/25/2020		
9/24/2020		
9/25/2020		<0.0002
9/28/2020	<0.0002	
2/18/2021		
2/19/2021		
2/23/2021	<0.0002	
3/8/2021		<0.0002
3/24/2021		
3/25/2021		<0.0002
3/26/2021	<0.0002	
3/29/2021		
8/18/2021		
8/19/2021	<0.0002	<0.0002
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.0002
2/15/2022		
2/16/2022	<0.0002	
7/27/2022	<0.0002	
7/28/2022		
8/1/2022		<0.0002
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	0.00015 (J)	
1/30/2023		
2/1/2023		<0.0002
2/2/2023		
2/7/2023		
8/17/2023	<0.0002	
8/18/2023		
8/21/2023		<0.0002
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.0002	
2/6/2024		<0.0002
2/8/2024		
8/19/2024		
8/20/2024	<0.0002	
8/21/2024		
8/22/2024		<0.0002
2/6/2025		
2/7/2025		
2/10/2025	<0.0002	<0.0002
2/11/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/13/2025		

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 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				
12/13/2019								<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)		
9/3/2020									
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	
4/1/2021									
8/19/2021							0.00012 (J)		
8/20/2021	<0.0002			<0.0002		<0.0002			
8/23/2021					<0.0002				
8/24/2021			<0.0002					<0.0002	<0.0002
8/25/2021		<0.0002							
2/14/2022					<0.0002		<0.0002		
2/15/2022									
2/16/2022	<0.0002	<0.0002	<0.0002					<0.0002	<0.0002
2/17/2022				<0.0002		<0.0002			
7/28/2022	0.00015 (J)		0.00014 (J)	0.00016 (J)		<0.0002			<0.0002
7/29/2022		<0.0002			<0.0002				
8/2/2022							0.00028	<0.0002	
1/27/2023	0.00014 (J)								
1/30/2023			0.00016 (J)	0.00014 (J)		<0.0002			
1/31/2023		<0.0002							<0.0002
2/1/2023					<0.0002				
2/2/2023								<0.0002	
2/7/2023							<0.0002		
8/18/2023	<0.0002	<0.0002	<0.0002						<0.0002
8/21/2023					0.00016 (J)		0.00057		
8/23/2023								<0.0002	
8/24/2023				<0.0002		<0.0002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 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
1/30/2024					<0.0002				
2/2/2024	<0.0002								
2/5/2024			<0.0002						
2/6/2024							<0.0002		
2/7/2024				<0.0002		<0.0002			<0.0002
2/8/2024		<0.0002						<0.0002	
8/19/2024	<0.0002								
8/20/2024			<0.0002		<0.0002				<0.0002
8/21/2024		<0.0002							
8/22/2024				<0.0002		<0.0002	<0.0002	0.00015 (J)	
2/5/2025					<0.0002				
2/6/2025	<0.0002		<0.0002						
2/10/2025									<0.0002
2/11/2025				<0.0002		<0.0002	<0.0002		
2/12/2025		<0.0002							
2/18/2025								<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
4/2/2019		
4/4/2019		
4/5/2019		
9/24/2019		
9/26/2019		
9/27/2019		
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	<0.0002	
9/3/2020		<0.0002
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.0002	<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	
4/1/2021		<0.0002
8/19/2021		
8/20/2021		<0.0002
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		<0.0002
7/28/2022		<0.0002
7/29/2022	<0.0002	
8/2/2022		
1/27/2023		
1/30/2023		<0.0002
1/31/2023		
2/1/2023	<0.0002	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	0.00018 (J)	
8/24/2023		<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.0002	<0.0002
2/8/2024		
8/19/2024		
8/20/2024		<0.0002
8/21/2024	<0.0002	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.0002
2/12/2025	<0.0002	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	<0.0002	<0.0002						
1/28/2021					0.0046	0.00019 (J)		
2/18/2021		<0.0002						
2/23/2021					0.0033	<0.0002		
3/8/2021	<0.0002							
3/29/2021	<0.0002							
3/30/2021					0.002	<0.0002		
3/31/2021		<0.0002						
4/19/2021			<0.0002	<0.0002				
8/18/2021		<0.0002		<0.0002				
8/23/2021	<0.0002				0.0014	<0.0002		
8/24/2021			<0.0002					
2/9/2022		<0.0002		<0.0002				
2/14/2022					0.00025	<0.0002		
2/15/2022	<0.0002							
2/17/2022			<0.0002					
4/28/2022								<0.0002
7/26/2022		0.00017 (J)		<0.0002				
7/28/2022						<0.0002		
8/1/2022	<0.0002		<0.0002		<0.0002			
8/2/2022								0.00059
1/25/2023		<0.0002		<0.0002				
1/31/2023					0.00021	0.00018 (J)		
2/1/2023			<0.0002					
2/2/2023								0.00015 (J)
2/7/2023	<0.0002							
8/15/2023		<0.0002		<0.0002				
8/21/2023					0.00016 (J)			
8/22/2023			<0.0002			<0.0002		
8/23/2023	0.00015 (J)							
1/30/2024	<0.0002							
1/31/2024		<0.0002		<0.0002				
2/5/2024					<0.0002	<0.0002		
2/6/2024			<0.0002					
8/15/2024		<0.0002						
8/16/2024				<0.0002				
8/20/2024					<0.0002	<0.0002		
8/21/2024	<0.0002		<0.0002					
8/22/2024								0.0009
12/3/2024							<0.0002	
2/5/2025		<0.0002		<0.0002				
2/6/2025					<0.0002			
2/7/2025						<0.0002		0.00068
2/10/2025			<0.0002					
2/11/2025	<0.0002							
2/12/2025							<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	0.0015 (J)						0.0028 (J)	<0.01	
6/7/2016						0.00063 (J)			0.0067 (J)
6/8/2016					0.0088 (J)				
8/9/2016	0.0016 (J)								
8/10/2016						0.0039 (J)		<0.01	
8/11/2016					0.01		0.003 (J)		
8/12/2016									
8/16/2016									0.0032 (J)
8/22/2016		<0.01							
10/3/2016	<0.01								
10/4/2016		<0.01				0.0052 (J)		<0.01	
10/5/2016							0.0032 (J)		
10/6/2016					0.0117				
10/7/2016									0.0032 (J)
11/29/2016	0.0022 (J)								
12/1/2016		<0.01						<0.01	
12/2/2016						<0.01			
12/5/2016							0.0033 (J)		
12/6/2016					0.0102				0.0049 (J)
1/10/2017		<0.01							
2/13/2017	0.002 (J)								
2/14/2017		<0.01				0.0044 (J)		<0.01	
2/15/2017					0.0018 (J)		0.0027 (J)		
2/16/2017									0.0039 (J)
4/13/2017	0.0025 (J)							<0.01	
4/14/2017		<0.01				0.0013 (J)			
4/17/2017							0.0025 (J)		
4/18/2017					0.0103				0.0032 (J)
5/25/2017	0.002 (J)	<0.01						<0.01	
5/26/2017						0.0024 (J)	0.0029 (J)		
6/2/2017					0.0129				0.0035 (J)
7/7/2017	0.0017 (J)							<0.01	
7/10/2017		<0.01				0.0013 (J)			
7/11/2017							0.0029 (J)		
7/12/2017									0.0037 (J)
7/13/2017									
7/14/2017					0.0129				
3/26/2018	<0.01	<0.01				<0.01			
3/27/2018					0.01		0.0031 (J)		0.0032 (J)
3/28/2018									
6/12/2018	<0.01	<0.01				0.0026 (J)	0.0043 (J)		
6/13/2018					0.013				
6/14/2018									0.0033 (J)
10/16/2018	<0.01	<0.01				0.0041 (J)		<0.01	
10/17/2018							0.0038 (J)		
10/18/2018					0.01 (J)				0.0034 (J)
2/25/2019	<0.01					<0.01			
2/27/2019		<0.01							
2/28/2019					0.016				0.0035 (J)
4/1/2019	0.0014 (J)	0.00053 (J)				0.00054 (J)	0.0027 (J)		
4/2/2019					0.011			0.00026 (J)	0.0032 (J)
5/2/2019	<0.01								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/23/2019	0.0017 (J)	<0.01						<0.01	
9/24/2019					0.01 (J)	0.0016 (J)	0.0041 (J)		
9/25/2019									0.0035 (J)
2/18/2020	<0.01							<0.01	
2/19/2020		<0.01				0.0018 (J)			
2/20/2020							0.002 (J)		0.0037 (J)
2/21/2020					0.011				
2/24/2020									
3/18/2020	0.0012 (J)	<0.01				<0.01			
3/19/2020					0.011		0.0024 (J)	<0.01	
3/23/2020									0.0035 (J)
5/22/2020			0.0011 (J)						
5/25/2020				0.003 (J)					
6/23/2020			<0.01	0.0048 (J)					
7/28/2020			<0.01	0.0073 (J)					
9/2/2020			<0.01						
9/3/2020				0.0074 (J)					
9/23/2020	<0.01	<0.01				<0.01		<0.01	
9/24/2020							0.0034 (J)		0.0032 (J)
9/25/2020					0.0099 (J)				
10/1/2020			<0.01	0.0046 (J)					
11/10/2020			<0.01	0.0016 (J)					
12/15/2020			<0.01	0.0021 (J)					
1/20/2021			<0.01	0.0018 (J)					
2/16/2021	0.0011 (J)	<0.01				0.0011 (J)			
2/17/2021			<0.01	0.0017 (J)			0.0033 (J)		
2/18/2021					0.0098 (J)			<0.01	0.0036 (J)
2/19/2021									
3/23/2021		<0.01							
3/24/2021						<0.01	0.0027 (J)		
3/25/2021			<0.01	0.0015 (J)					
3/26/2021	0.00092 (J)								
3/30/2021					0.011				0.0035 (J)
3/31/2021								0.001 (J)	
8/16/2021	<0.01	<0.01	<0.01	0.0011 (J)				<0.01	
8/18/2021						0.0019 (J)	0.0028 (J)		0.0029 (J)
8/19/2021					0.0094 (J)				
2/9/2022	<0.01		<0.01	0.00093 (J)				<0.01	
2/10/2022		<0.01				0.00081 (J)	0.0026 (J)		
2/11/2022					0.0088 (J)				0.003 (J)
7/26/2022	<0.01	<0.01	<0.01	0.0039 (J)		0.00096 (J)	0.0029 (J)	<0.01	
7/27/2022									
7/28/2022					0.009 (J)				0.0028 (J)
1/24/2023	<0.01	<0.01	<0.01	0.007 (J)					
1/25/2023								<0.01	
1/26/2023					0.0096 (J)	0.00095 (J)	0.002 (J)		
1/27/2023									0.0025 (J)
8/15/2023			<0.01					<0.01	
8/16/2023		<0.01		0.004 (J)		<0.01			
8/17/2023					0.011		0.0039 (J)		0.0025 (J)
8/21/2023	<0.01								
1/31/2024			<0.01	0.0026 (J)				0.00063 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/1/2024						<0.01	0.0016 (J)		0.002 (J)
2/2/2024					0.01				
2/5/2024		<0.01							
2/8/2024	<0.01								
8/15/2024			<0.01	0.0048 (J)				<0.01	
8/16/2024					0.01	<0.01			
8/19/2024							0.0027 (J)		
8/20/2024									0.0026 (J)
8/21/2024	<0.01	<0.01							
2/4/2025			<0.01	0.009 (J)				<0.01	
2/5/2025						<0.01	<0.01		
2/6/2025		<0.01			0.011				0.0027 (J)
2/10/2025	<0.01								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.01	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.01	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.01	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.01	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.01	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.01	
5/25/2017		
5/26/2017		
6/2/2017	<0.01	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.01	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.01	
6/12/2018		
6/13/2018		
6/14/2018	<0.01	
10/16/2018		
10/17/2018	<0.01	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	<0.01	
4/1/2019	<0.01	
4/2/2019		
5/2/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/23/2019		
9/24/2019		
9/25/2019	<0.01	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	<0.01	
3/18/2020		
3/19/2020	<0.01	
3/23/2020		
5/22/2020		0.0012 (J)
5/25/2020		
6/23/2020		<0.01
7/28/2020		0.00094 (J)
9/2/2020		0.0013 (J)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	<0.01	
10/1/2020		0.0017 (J)
11/10/2020		0.0016 (J)
12/15/2020		0.0019 (J)
1/20/2021		0.0016 (J)
2/16/2021		
2/17/2021		
2/18/2021		0.0045 (J)
2/19/2021	<0.01	
3/23/2021		
3/24/2021	<0.01	<0.01
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.01	0.0011 (J)
8/19/2021		
2/9/2022		<0.01
2/10/2022		
2/11/2022	<0.01	
7/26/2022		0.0015 (J)
7/27/2022	<0.01	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.01	0.0016 (J)
1/27/2023		
8/15/2023		
8/16/2023	<0.01	0.0016 (J)
8/17/2023		
8/21/2023		
1/31/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/1/2024	<0.01	0.0018 (J)
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.0017 (J)
8/19/2024	<0.01	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.01	<0.01
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.01	<0.01							
6/8/2016			<0.01	<0.01	0.011 (J)	0.0027 (J)	0.07		
6/9/2016								0.013 (J)	0.0024 (J)
8/11/2016	<0.01	<0.01							
8/12/2016			<0.01	<0.01	0.0127				
8/15/2016									
8/18/2016						0.0023 (J)	0.0758	0.0136	0.0034 (J)
10/7/2016	<0.01	<0.01	<0.01	<0.01					
10/10/2016					0.0136	0.0025 (J)	0.0712	0.0134	0.0047 (J)
12/6/2016	<0.01	<0.01	<0.01						
12/7/2016				<0.01	0.0139			0.0128	0.0066 (J)
12/8/2016						<0.01	0.0682		
1/23/2017									
2/7/2017									
2/16/2017	<0.01	<0.01	<0.01	<0.01					
2/17/2017					0.0148	<0.01	0.066		
2/20/2017								0.0122	0.0026 (J)
3/27/2017									
4/17/2017									
4/18/2017	<0.01								
4/19/2017		<0.01	<0.01	<0.01	0.012	0.0014 (J)		0.0124	0.002 (J)
4/20/2017							0.0662		
5/22/2017									
5/30/2017	<0.01	<0.01							
6/1/2017			<0.01	<0.01	0.0125	0.0012 (J)			
6/5/2017							0.071	0.0115	0.0015 (J)
7/11/2017									
7/14/2017	<0.01	<0.01	<0.01	<0.01					
7/17/2017								0.0131	0.0013 (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	<0.01					
3/28/2018					0.012	<0.01			
3/29/2018							0.056	0.013	0.0027 (J)
6/12/2018	<0.01								
6/13/2018					0.016			0.013	<0.01
6/14/2018		<0.01	<0.01			<0.01	0.059		
6/15/2018				<0.01					
10/17/2018		<0.01							
10/18/2018	<0.01		<0.01						
10/19/2018				<0.01		<0.01			
10/22/2018					0.013		0.055	0.013	<0.01
2/25/2019	<0.01								
2/27/2019		<0.01	<0.01		0.013				
3/1/2019				<0.01			0.039	0.013	<0.01
4/2/2019	<0.01	<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									
5/2/2019							0.043		
9/26/2019	<0.01	<0.01	<0.01	<0.01	0.015				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/27/2019							0.045	0.012	
9/30/2019						0.003 (J)			0.00099 (J)
2/20/2020	<0.01								
2/24/2020		<0.01	<0.01	<0.01	0.015				
2/25/2020							0.039	0.014	
2/26/2020						0.0016 (J)			<0.01
3/19/2020	<0.01	<0.01							
3/20/2020			<0.01	<0.01		0.0023 (J)	0.039		
3/23/2020					0.016			0.013	
3/24/2020									
3/25/2020									<0.01
9/24/2020	<0.01	<0.01	<0.01			0.0036 (J)	0.04	0.011	
9/25/2020									0.00081 (J)
9/28/2020				<0.01	0.018				
2/18/2021	<0.01	<0.01	<0.01	<0.01	0.028				
2/19/2021						0.0013 (J)	0.046	0.011	<0.01
2/23/2021									
3/8/2021									
3/24/2021	<0.01	<0.01	<0.01						
3/25/2021									
3/26/2021				<0.01				0.011 (J)	<0.01
3/29/2021					0.024	0.0021 (J)	0.045		
7/19/2021							0.044	0.011	<0.01
7/20/2021									
8/18/2021	<0.01								
8/19/2021		<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	<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)			
7/27/2022	<0.01	<0.01	<0.01	<0.01	0.028				
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
1/26/2023	<0.01	<0.01	<0.01						
1/27/2023				<0.01		0.003 (J)			
1/30/2023					0.035				
2/1/2023									<0.01
2/2/2023								0.0078 (J)	
2/7/2023							0.032		
8/17/2023	<0.01	<0.01	<0.01						
8/18/2023				<0.01	0.054				
8/21/2023									
8/22/2023							0.036		
8/23/2023						0.0027 (J)		0.006 (J)	
8/25/2023									<0.01
1/30/2024									<0.01
2/1/2024	<0.01	<0.01							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/2/2024			<0.01	<0.01					
2/5/2024					0.056	0.004 (J)			
2/6/2024									
2/8/2024							0.033	0.0056 (J)	
8/19/2024	<0.01	<0.01	<0.01	<0.01					
8/20/2024					0.067				
8/21/2024							0.029		<0.01
8/22/2024						0.0046 (J)		0.0063 (J)	
2/6/2025	<0.01				0.068				
2/7/2025		<0.01	<0.01	<0.01					
2/10/2025						0.0049 (J)			
2/11/2025								0.0055 (J)	<0.01
2/13/2025							0.04		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	0.0064 (J)	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	0.0039 (J)	
8/18/2016		
10/7/2016		
10/10/2016	0.0029 (J)	
12/6/2016		
12/7/2016		
12/8/2016	<0.01	
1/23/2017		0.0125
2/7/2017		0.0163
2/16/2017		
2/17/2017		
2/20/2017	0.0024 (J)	
3/27/2017		0.0157
4/17/2017		0.0178
4/18/2017		
4/19/2017		
4/20/2017	0.0019 (J)	
5/22/2017		0.0208
5/30/2017		
6/1/2017	0.0026 (J)	
6/5/2017		0.0191
7/11/2017		0.0218
7/14/2017		
7/17/2017	0.0024 (J)	
7/18/2017		
7/19/2017		
8/23/2017		0.0218
3/26/2018		0.014
3/27/2018		
3/28/2018	<0.01	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	<0.01	
6/15/2018		0.012
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	<0.01	0.01
2/25/2019		
2/27/2019		
3/1/2019	<0.01	0.011
4/2/2019		0.01
4/3/2019		
4/4/2019	0.00096 (J)	
5/2/2019		
9/26/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/27/2019		0.0036 (J)
9/30/2019	<0.01	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.01	0.0023 (J)
3/19/2020		
3/20/2020		
3/23/2020		0.0037 (J)
3/24/2020	<0.01	
3/25/2020		
9/24/2020		
9/25/2020		0.0027 (J)
9/28/2020	<0.01	
2/18/2021		
2/19/2021		
2/23/2021	<0.01	
3/8/2021		0.0031 (J)
3/24/2021		
3/25/2021		0.0017 (J)
3/26/2021	<0.01	
3/29/2021		
7/19/2021		
7/20/2021		0.0018 (J)
8/18/2021		
8/19/2021	<0.01	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	<0.01	
7/27/2022	<0.01	
7/28/2022		
8/1/2022		0.0047 (J)
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.01	
1/30/2023		
2/1/2023		0.0058 (J)
2/2/2023		
2/7/2023		
8/17/2023	<0.01	
8/18/2023		
8/21/2023		0.0048 (J)
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/2/2024		
2/5/2024	<0.01	
2/6/2024		0.0049 (J)
2/8/2024		
8/19/2024		
8/20/2024	<0.01	
8/21/2024		
8/22/2024		0.0038 (J)
2/6/2025		
2/7/2025		
2/10/2025	<0.01	0.0028 (J)
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							0.1		
9/3/2020									
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)	
4/1/2021									
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)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 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
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
2/1/2023					0.0083 (J)				
2/2/2023								0.0035 (J)	
2/7/2023							0.02		
8/18/2023	<0.01	0.0041 (J)	0.0011 (J)						<0.01
8/21/2023					0.01		0.04		
8/23/2023								0.0026 (J)	
8/24/2023				0.034		0.019			
1/30/2024					0.012				
2/2/2024	<0.01								
2/5/2024			0.001 (J)						
2/6/2024							0.09		
2/7/2024				0.037		0.016			<0.01
2/8/2024		0.0043 (J)						0.0036 (J)	
8/19/2024	<0.01								
8/20/2024			0.0011 (J)		0.0087 (J)				<0.01
8/21/2024		0.0045 (J)							
8/22/2024				0.033		0.018	0.097	0.0038 (J)	
2/5/2025					0.011				
2/6/2025	<0.01		<0.01						
2/10/2025									<0.01
2/11/2025				0.028		0.02	0.098		
2/12/2025		0.0042 (J)							
2/18/2025								0.0035 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		0.02
5/20/2020		0.021
9/2/2020	0.015	
9/3/2020		0.018
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	0.013	0.0052 (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	0.011	
4/1/2021		0.0059 (J)
8/19/2021		
8/20/2021		0.013
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		0.0055 (J)
7/28/2022		0.0092 (J)
7/29/2022	0.008 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/2/2022		
1/27/2023		
1/30/2023		0.0033 (J)
1/31/2023		
2/1/2023	0.0092 (J)	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	0.0092 (J)	
8/24/2023		0.013
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	0.0079 (J)	0.013
2/8/2024		
8/19/2024		
8/20/2024		0.012
8/21/2024	0.0075 (J)	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		0.01
2/12/2025	0.007 (J)	
2/18/2025		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	0.14	<0.01						
5/20/2020	0.16							
9/3/2020	0.11	0.0055 (J)						
1/28/2021					<0.01	0.0038 (J)		
2/18/2021		0.0062 (J)						
2/23/2021					<0.01	0.0039 (J)		
3/8/2021	0.2							
3/29/2021	0.21							
3/30/2021					0.0027 (J)	0.0035 (J)		
3/31/2021		0.0023 (J)						
4/19/2021			0.0067 (J)	0.0043 (J)				
7/20/2021	0.24							
8/18/2021		0.0041 (J)		0.0021 (J)				
8/23/2021	0.21				<0.01	0.0038 (J)		
8/24/2021			0.0049 (J)					
2/9/2022		0.0011 (J)		0.0032 (J)				
2/14/2022					<0.01	0.0041 (J)		
2/15/2022	0.15							
2/17/2022			0.0056 (J)					
4/28/2022								<0.01
7/26/2022		0.012		0.0029 (J)				
7/28/2022						0.0053 (J)		
8/1/2022	0.16		0.0066 (J)		<0.01			
8/2/2022								<0.01
1/25/2023		0.011		0.0067 (J)				
1/31/2023					<0.01	0.0087 (J)		
2/1/2023			0.0072 (J)					
2/2/2023								<0.01
2/7/2023	0.13							
8/15/2023		0.0026 (J)		0.0041 (J)				
8/21/2023					<0.01			
8/22/2023			0.0048 (J)			0.0039 (J)		
8/23/2023	0.18							
1/30/2024	0.12							
1/31/2024		0.0014 (J)		0.0041 (J)				
2/5/2024					<0.01	0.004 (J)		
2/6/2024			0.0056 (J)					
8/15/2024		0.0012 (J)						
8/16/2024				0.0018 (J)				
8/20/2024					<0.01	0.0058 (J)		
8/21/2024	0.12		0.0044 (J)					
8/22/2024								<0.01
12/3/2024							0.0017 (J)	
2/5/2025		<0.01		0.0038 (J)				
2/6/2025					<0.01			
2/7/2025						0.0028 (J)		<0.01
2/10/2025			0.0047 (J)					
2/11/2025	0.14							
2/12/2025							0.0028 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	7.69						7.46	7.3	
6/7/2016						7.55			7.49
8/9/2016	7.72								
8/10/2016						7.66		7.41	
8/11/2016					6.94		7.51		
8/12/2016									
8/16/2016									7.51
8/22/2016		7.91							
10/3/2016	7.74								
10/4/2016		7.81				7.57		7.26	
10/5/2016							7.37		
10/6/2016					6.96				
10/7/2016									7.58
11/29/2016	7.74								
12/1/2016		8.06						7.36	
12/2/2016						7.67			
12/5/2016							7.42		
12/6/2016					7.16				7.44
1/10/2017		7.97							
2/13/2017	7.63								
2/14/2017		7.89				7.54		7.36	
2/15/2017					7.05		7.32		
2/16/2017									7.21
4/13/2017	7.57							7.12	
4/14/2017		7.86				7.63			
4/17/2017							7.23		
4/18/2017					7.17				7.39
5/25/2017	7.84	8.11						7.41	
5/26/2017						7.76	7.29		
6/2/2017					7.17				7.38
7/7/2017	7.82							7.5	
7/10/2017		8.12				7.7			
7/11/2017							7.34		
7/12/2017									7.37
7/13/2017									
7/14/2017					7.11				
10/9/2017	7.8							7.43	
10/10/2017		8.13				7.72	7.28		
10/11/2017					7.19				7.37
3/26/2018	7.74	7.98				7.71			
3/27/2018					7.13		7.38		7.51
3/28/2018									
6/12/2018	7.88	8.09				7.71	7.51		
6/13/2018					6.95				
6/14/2018									7.48
10/16/2018	7.73	7.64				7.74		7.36	
10/17/2018							7.34		
10/18/2018					6.84				7.2
2/25/2019	7.78					7.75			
2/27/2019		8							
2/28/2019					7.05				7.55
4/1/2019	7.7	7.85				7.57	7.03		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
4/2/2019					6.85			7.24	7.54
5/2/2019	7.71								
9/23/2019	7.58	7.98						7.28	
9/24/2019					6.92	7.53	7.14		
9/25/2019									7.37
9/30/2019								7.29	
2/18/2020	7.67							7.27	
2/19/2020		8.01				7.68			
2/20/2020							7.37		7.46
2/21/2020					7.11				
2/24/2020									
3/18/2020	7.65	8.12				7.73			
3/19/2020					7.1		7.35	7.2	
3/23/2020									7.51
5/22/2020			7.15						
5/25/2020				7.45					
6/23/2020			7	7.46					
7/28/2020			6.98	7.79					
9/2/2020			6.95						
9/3/2020				7.35					
9/23/2020	7.32	8.08				7.67		7.36	
9/24/2020							7.34		7.54
9/25/2020					7.07				
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				7.69			
2/17/2021			6.89	7.21			7.43		
2/18/2021					6.89			7.34	7.54
2/19/2021									
3/23/2021		8							
3/24/2021						7.65	7.26		
3/25/2021			6.94	7.22					
3/26/2021	7.63								
3/30/2021					7.05				7.41
3/31/2021								7.17	
8/16/2021	7.46	7.6	6.8	7.13				7.07	
8/18/2021						7.7	7.49		7.34
8/19/2021					6.89				
2/9/2022	7.36		6.86	7.16				7.16	
2/10/2022		8.09				7.59	7.28		
2/11/2022					7.04722				7.58
7/26/2022	7.45	7.92	6.75	7.37		7.63	7.33	7.34	
7/27/2022									
7/28/2022					6.96				7.63
1/24/2023	7.32	7.77	6.72	7.32					
1/25/2023								6.87	
1/26/2023					6.63	7.34	7.04		
1/27/2023									7.02
8/15/2023			6.62					6.93	
8/16/2023		7.3		6.94		7.36			

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/17/2023					6.79		6.79		7.18
8/21/2023	7.18								
1/31/2024			6.69	7.38				6.64	
2/1/2024						6.98	7.01		7.23
2/2/2024					6.89				
2/5/2024		7.62							
2/8/2024	7.01								
8/15/2024			6.93	7.56				7.24	
8/16/2024					6.84	7.28			
8/19/2024							6.86		
8/20/2024									7.18
8/21/2024	7.54	7.95							
2/4/2025			6.95	7.55				7.19	
2/5/2025						7.64	7.29		
2/6/2025		8.13			7.03				7.51
2/10/2025	7.54								

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	7.56	
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	7.47	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	7.26	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	7.58	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	7.32	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	7.31	
5/25/2017		
5/26/2017		
6/2/2017	7.36	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	7.24	
7/14/2017		
10/9/2017		
10/10/2017	7.46	
10/11/2017		
3/26/2018		
3/27/2018		
3/28/2018	7.22	
6/12/2018		
6/13/2018		
6/14/2018	7.35	
10/16/2018		
10/17/2018	7.4	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	7.28	
4/1/2019	7.23	

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
4/2/2019		
5/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	7.1	
9/30/2019		
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	7.28	
3/18/2020		
3/19/2020	7.18	
3/23/2020		
5/22/2020		7.2
5/25/2020		
6/23/2020		7.42
7/28/2020		6.98
9/2/2020		6.97
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	7.1	
10/1/2020		7.08
11/10/2020		7
12/15/2020		7.02
1/20/2021		7.12
2/16/2021		
2/17/2021		
2/18/2021		7.14
2/19/2021	7	
3/23/2021		
3/24/2021	7.04	7.04
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	7.09	6.86
8/19/2021		
2/9/2022		7.01
2/10/2022		
2/11/2022	7.18	
7/26/2022		6.78
7/27/2022	6.85	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	6.68	6.91
1/27/2023		
8/15/2023		
8/16/2023	6.7	6.56

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	6.46	6.85
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		6.83
8/19/2024	6.95	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	6.92	6.89
2/6/2025		
2/10/2025		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	6.99	7.41							
6/8/2016			6.93	6.58	7.45	7.88	7.1		
6/9/2016								7.3	6.83
8/11/2016	6.93	7.39							
8/12/2016			6.98	6.59	7.18				
8/15/2016									
8/18/2016						7.86	7.1	7.27	6.88
10/7/2016	6.79	7.33	6.91	6.77					
10/10/2016					6.66	7.96	6.77	7.35	6.95
12/6/2016	6.95	7.4	7.06						
12/7/2016				6.63	7.46			7.23	6.91
12/8/2016						7.82	6.94		
1/23/2017									
2/7/2017									
2/16/2017	6.8	7.21	6.62	6.55					
2/17/2017					7.17	7.56	7.02		
2/20/2017								7.17	6.71
3/27/2017									
4/17/2017									
4/18/2017	6.9								
4/19/2017		7.06	6.75	6.5	7.01	7.42		7.22	6.76
4/20/2017							6.95		
5/22/2017									
5/30/2017	6.99	7.51							
6/1/2017			6.18	6.27	7.18	7.61			
6/5/2017							7.07	7.31	6.87
7/11/2017									
7/14/2017	6.93	7.39	6.68	6.56					
7/17/2017								7.3	6.65
7/18/2017					7.2	7.77			
7/19/2017							6.97		
8/23/2017									
10/10/2017									
10/11/2017	6.78	7.3	7	6.56	7.1			7.05	6.6
10/12/2017						7.65	6.95		
3/26/2018									
3/27/2018	6.81	7.28	6.41	6.52					
3/28/2018					7.19	7.69			
3/29/2018							6.96	7.06	6.7
6/12/2018	7.01								
6/13/2018					7.24			7.19	6.58
6/14/2018		7.22	6.61			7.7	6.92		
6/15/2018				6.5					
10/17/2018		7.37							
10/18/2018	6.7		6.67						
10/19/2018				6.38		7.57			
10/22/2018					6.93		6.81	7.11	6.61
2/25/2019	6.74								
2/27/2019		7.38	6.58		7.26				
3/1/2019				6.7			6.9	7.16	6.57
4/2/2019	6.75	7.22	6.48						
4/3/2019				6.58	7.14	7.69	6.77	7	6.57

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
4/4/2019									
5/2/2019							6.92		
9/26/2019	6.7	7.32	6.99	6.55	7.1				
9/27/2019							6.79	7.02	
9/30/2019						7.7			6.58
2/20/2020	6.48								
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
3/19/2020	6.6	7.14							
3/20/2020			6.35	6.56		7.69	6.75		
3/23/2020					7.14			6.93	
3/24/2020									
3/25/2020									6.58
9/24/2020	6.66	7.2	7.05			7.78	6.82	7.09	
9/25/2020									6.56
9/28/2020				6.45	7.26				
2/18/2021	6.66	7.33	6.48	6.66	7.35				
2/19/2021						7.64	6.9	7.05	6.66
2/23/2021									
3/8/2021									
3/24/2021	6.7	7.27	6.48						
3/25/2021									
3/26/2021				6.61				6.91	6.54
3/29/2021					7.24	7.75	6.71		
7/19/2021							6.67	6.93	6.53
7/20/2021									
8/18/2021	6.66								
8/19/2021		6.94	6.15						
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	6.57	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			
7/27/2022	6.49	7.29	7.02	6.55	7.18				
7/28/2022						7.85			
8/1/2022								7	
8/2/2022							6.73		6.73
10/21/2022									6.3
1/26/2023	6.56	7.21	6.2						
1/27/2023				6.61		7.76			
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	
8/17/2023	6.22	6.9	6.23						
8/18/2023				6.43	6.84				
8/21/2023									
8/22/2023							6.4		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/23/2023						6.96		6.69	
8/25/2023									6.36
1/30/2024									6.26
2/1/2024	6.51	6.87							
2/2/2024			5.77	6.29					
2/5/2024					7.25	6.9			
2/6/2024									
2/8/2024							6.44	6.56	
8/19/2024	6.48	7.26	6.74	6.8					
8/20/2024					7.12				
8/21/2024							6.32		6.38
8/22/2024						7.65		6.7	
2/6/2025	6.25				7.16				
2/7/2025		7.11	6.59	6.72					
2/10/2025						7.68			
2/11/2025								6.94	6.6
2/13/2025							6.85		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	7.95	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	7.66	
8/18/2016		
10/7/2016		
10/10/2016	7.26	
12/6/2016		
12/7/2016		
12/8/2016	7.55	
1/23/2017		7.39
2/7/2017		7.35
2/16/2017		
2/17/2017		
2/20/2017	7.45	
3/27/2017		7.46
4/17/2017		7.19
4/18/2017		
4/19/2017		
4/20/2017	7.58	
5/22/2017		7.4
5/30/2017		
6/1/2017	7.65	
6/5/2017		7.69
7/11/2017		7.29
7/14/2017		
7/17/2017	7.73	
7/18/2017		
7/19/2017		
8/23/2017		7.37
10/10/2017		7.34
10/11/2017	7.5	
10/12/2017		
3/26/2018		7.33
3/27/2018		
3/28/2018	7.39	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	7.35	
6/15/2018		7.35
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	7.25	7.35
2/25/2019		
2/27/2019		
3/1/2019	7.5	7.32
4/2/2019		7.22
4/3/2019		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
4/4/2019	7.38	
5/2/2019		
9/26/2019		
9/27/2019		7.2
9/30/2019	7.36	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	7.3	7.28
3/19/2020		
3/20/2020		
3/23/2020		7.28
3/24/2020	7.36	
3/25/2020		
9/24/2020		
9/25/2020		7.34
9/28/2020	7.35	
2/18/2021		
2/19/2021		
2/23/2021	7.44	
3/8/2021		7.44
3/24/2021		
3/25/2021		7.21
3/26/2021	7.36	
3/29/2021		
7/19/2021		
7/20/2021		7.28
8/18/2021		
8/19/2021	7.15	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	7.3	
7/27/2022	7.22	
7/28/2022		
8/1/2022		7.21
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	7.14	
1/30/2023		
2/1/2023		7.15
2/2/2023		
2/7/2023		
5/10/2023		
8/17/2023	6.97	
8/18/2023		
8/21/2023		7
8/22/2023		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	7.2	
2/6/2024		6.75
2/8/2024		
8/19/2024		
8/20/2024	7.01	
8/21/2024		
8/22/2024		7.44
2/6/2025		
2/7/2025		
2/10/2025	7.47	7.37
2/11/2025		
2/13/2025		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 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		7.32	7.2					
4/5/2019		7.24							
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							
12/13/2019								7.07	
12/16/2019									7.34
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									
5/11/2020									
5/20/2020									
9/2/2020							6.49		
9/3/2020									
9/25/2020		7.05		7.03		7.25			
9/28/2020	7.32		7.25		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	
4/1/2021									
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	7.138505	7.27					6.832232	7.24
2/17/2022				7.02		7.46			

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 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
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				
2/2/2023								6.931	
2/7/2023							5.99		
8/18/2023	6.89	6.84	6.62						6.91
8/21/2023					6.89		5.74		
8/23/2023								6.71	
8/24/2023				6.8		6.98			
1/30/2024					7.15				
2/2/2024	7								
2/5/2024			7.18						
2/6/2024							6.3		
2/7/2024				6.37		6.82			7.19
2/8/2024		7.04						6.5	
8/19/2024	7.34								
8/20/2024			7.14		6.98				7.25
8/21/2024		7.22							
8/22/2024				6.74		6.95	7.12	6.74	
2/5/2025					7.41				
2/6/2025	7.28		7.15						
2/10/2025									7.2
2/11/2025				7.1		7.4	7.17		
2/12/2025		7.28							
2/18/2025								6.77	

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018		
3/4/2019		
4/2/2019		
4/4/2019		
4/5/2019		
5/2/2019		
5/3/2019		
9/24/2019		
9/26/2019		
9/27/2019		
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	7.46	
5/11/2020		7.61
5/20/2020		7.63
9/2/2020	7.45	
9/3/2020		7.37
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	7.48	7.5
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	
4/1/2021		7.44
8/19/2021		
8/20/2021		7.3
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		7.3

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
7/28/2022		7.31
7/29/2022	7.07	
8/2/2022		
1/27/2023		
1/30/2023		7.04
1/31/2023		
2/1/2023	7.05	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	7.09	
8/24/2023		6.98
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	7.07	6.94
2/8/2024		
8/19/2024		
8/20/2024		7.32
8/21/2024	7.37	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		7.36
2/12/2025	7.27	
2/18/2025		

Time Series

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	7.27	7.61						
5/20/2020	7.2							
9/3/2020	7.21	7.6						
1/28/2021					6.81	7.01		
2/18/2021		7.64						
2/23/2021					6.71	6.95		
3/8/2021	7.08							
3/29/2021	7.02							
3/30/2021					6.64	6.82		
3/31/2021		7.4						
4/19/2021			7.45	7.54				
7/20/2021	6.79							
8/18/2021		7.48		7.17				
8/23/2021	7.05				6.61	6.84		
8/24/2021			7.33					
2/9/2022		7.61		7.6				
2/14/2022					7.11	7.57		
2/15/2022	7.28							
2/17/2022			7.57					
4/28/2022								6.568345
7/26/2022		7.59		7.55				
7/28/2022						7.62		
8/1/2022	7.16		7.3		6.96			
8/2/2022								6.57
1/25/2023		7.89		7.03				
1/31/2023					6.87	7.56		
2/1/2023			7.17					
2/2/2023								6.4
2/7/2023	7.03							
8/15/2023		7.57		6.8				
8/21/2023					6.79			
8/22/2023			6.94			7.13		
8/23/2023	6.77							
1/30/2024	6.99							
1/31/2024		7.34		6.56				
2/5/2024					6.93	7.21		
2/6/2024			7.22					
4/3/2024	6.74							
8/15/2024		7.74						
8/16/2024				7.32				
8/20/2024					7.24	7.68		
8/21/2024	7.22		7.35					
8/22/2024								6.91
12/3/2024							7.59	
2/5/2025		7.65		7.44				
2/6/2025					7.39			
2/7/2025						7.6		6.76
2/10/2025			7.43					
2/11/2025	7.2							
2/12/2025							7.53	

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.005						0.00031 (J)	<0.005	
6/7/2016						4.8E-05 (J)			<0.005
6/8/2016					<0.005				
8/9/2016	<0.005								
8/10/2016						<0.005		<0.005	
8/11/2016					<0.005		0.001 (J)		
8/12/2016									
8/16/2016									<0.005
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005		<0.005	
10/5/2016							0.0017 (J)		
10/6/2016					<0.005				
10/7/2016									<0.005
11/29/2016	<0.005								
12/1/2016		<0.005						<0.005	
12/2/2016						<0.005			
12/5/2016							<0.005		
12/6/2016					<0.005				<0.005
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005		<0.005	
2/15/2017					<0.005		<0.005		
2/16/2017									<0.005
4/13/2017	<0.005							<0.005	
4/14/2017		<0.005				<0.005			
4/17/2017							<0.005		
4/18/2017					<0.005				<0.005
5/25/2017	<0.005	<0.005						<0.005	
5/26/2017						<0.005	0.0014 (J)		
6/2/2017					<0.005				<0.005
7/7/2017	<0.005							<0.005	
7/10/2017		<0.005				<0.005			
7/11/2017							<0.005		
7/12/2017									<0.005
7/13/2017									
7/14/2017					<0.005				
3/26/2018	<0.005	<0.005				<0.005			
3/27/2018					<0.005		<0.005		<0.005
3/28/2018									
2/25/2019	<0.005					<0.005			
2/27/2019		<0.005							
2/28/2019					<0.005				<0.005
4/1/2019	0.00011 (J)	<0.005				0.00015 (J)	0.0004 (J)		
4/2/2019					<0.005			0.00031 (J)	<0.005
9/23/2019	<0.005	<0.005						<0.005	
9/24/2019					<0.005	<0.005	<0.005		
9/25/2019									<0.005
2/18/2020	<0.005							<0.005	
2/19/2020		<0.005				<0.005			
2/20/2020							<0.005		<0.005
2/21/2020					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/24/2020									
3/18/2020	<0.005	<0.005				<0.005			
3/19/2020					<0.005		0.0015 (J)	<0.005	
3/23/2020									<0.005
5/22/2020			0.0013 (J)						
5/25/2020				<0.005					
6/23/2020			<0.005	<0.005					
7/28/2020			<0.005	<0.005					
9/2/2020			<0.005						
9/3/2020				<0.005					
9/23/2020	<0.005	<0.005				<0.005		<0.005	
9/24/2020							<0.005		<0.005
9/25/2020					<0.005				
10/1/2020			0.0018 (J)	<0.005					
11/10/2020			<0.005	<0.005					
12/15/2020			0.0018 (J)	<0.005					
1/20/2021			<0.005	<0.005					
2/16/2021	<0.005	<0.005				<0.005			
2/17/2021			<0.005	<0.005			<0.005		
2/18/2021					<0.005			<0.005	<0.005
2/19/2021									
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				<0.005
3/31/2021								0.0032 (J)	
8/16/2021	<0.005	<0.005	0.002 (J)	<0.005				<0.005	
8/18/2021						<0.005	0.0014 (J)		<0.005
8/19/2021					<0.005				
2/9/2022	<0.005		0.0021 (J)	<0.005				<0.005	
2/10/2022		<0.005				<0.005	<0.005		
2/11/2022					<0.005				<0.005
7/26/2022	<0.005	<0.005	0.0021 (J)	<0.005		<0.005	0.0015 (J)	<0.005	
7/27/2022									
7/28/2022					<0.005				<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	0.0015 (J)		
1/27/2023									<0.005
8/15/2023			0.0015 (J)					<0.005	
8/16/2023		<0.005		<0.005		<0.005			
8/17/2023					<0.005		0.0015 (J)		<0.005
8/21/2023	<0.005								
1/31/2024			0.0015 (J)	<0.005				<0.005	
2/1/2024						<0.005	0.0011 (J)		<0.005
2/2/2024					<0.005				
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			0.0017 (J)	<0.005				<0.005	
8/16/2024					<0.005	<0.005			
8/19/2024							0.0012 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
8/20/2024									<0.005
8/21/2024	<0.005	<0.005							
2/4/2025			0.0019 (J)	<0.005				<0.005	
2/5/2025						<0.005	0.0016 (J)		
2/6/2025		<0.005			<0.005				<0.005
2/10/2025	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.005	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	<0.005	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.005	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.005	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.005	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	<0.005	
5/25/2017		
5/26/2017		
6/2/2017	<0.005	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	<0.005	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.005	
2/25/2019		
2/27/2019		
2/28/2019	<0.005	
4/1/2019	0.0004 (J)	
4/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	<0.005	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/24/2020	<0.005	
3/18/2020		
3/19/2020	<0.005	
3/23/2020		
5/22/2020		0.0014 (J)
5/25/2020		
6/23/2020		<0.005
7/28/2020		<0.005
9/2/2020		<0.005
9/3/2020		
9/23/2020		
9/24/2020		
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
2/16/2021		
2/17/2021		
2/18/2021		<0.005
2/19/2021	<0.005	
3/23/2021		
3/24/2021	<0.005	<0.005
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.005	<0.005
8/19/2021		
2/9/2022		<0.005
2/10/2022		
2/11/2022	<0.005	
7/26/2022		<0.005
7/27/2022	<0.005	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.005	<0.005
1/27/2023		
8/15/2023		
8/16/2023	<0.005	<0.005
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.005	<0.005
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		<0.005
8/19/2024	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.005	<0.005
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.005	0.0004 (J)							
6/8/2016			<0.005	0.00043 (J)	<0.005	<0.005	<0.005		
6/9/2016								<0.005	0.00099 (J)
8/11/2016	<0.005	<0.005							
8/12/2016			<0.005	<0.005	<0.005				
8/15/2016									
8/18/2016						<0.005	<0.005	<0.005	0.0023 (J)
10/7/2016	<0.005	<0.005	<0.005	<0.005					
10/10/2016					<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)
12/6/2016	<0.005	<0.005	<0.005						
12/7/2016				<0.005	0.0037 (J)			0.0176	0.0302
12/8/2016						<0.005	0.012		
1/23/2017									
2/7/2017									
2/16/2017	0.0012 (J)	<0.005	<0.005	<0.005					
2/17/2017					<0.005	<0.005	<0.005		
2/20/2017								<0.005	0.0044 (J)
3/27/2017									
4/17/2017									
4/18/2017	<0.005								
4/19/2017		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0046 (J)
4/20/2017							<0.005		
5/22/2017									
5/30/2017	<0.005	<0.005							
6/1/2017			<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	<0.005					
7/17/2017								<0.005	0.0052 (J)
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	<0.005					
3/28/2018					<0.005	<0.005			
3/29/2018							<0.005	<0.005	<0.005
2/25/2019	<0.005								
2/27/2019		<0.005	<0.005		<0.005				
3/1/2019				<0.005			<0.005	<0.005	<0.005
4/2/2019	0.0006 (J)	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									
9/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
9/27/2019							<0.005	<0.005	
9/30/2019						<0.005			0.0065 (J)
2/20/2020	0.0026 (J)								
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)
3/19/2020	0.0019 (J)	0.0022 (J)							
3/20/2020			<0.005	<0.005		<0.005	<0.005		
3/23/2020					<0.005			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/24/2020									
3/25/2020									0.0067 (J)
9/24/2020	0.003 (J)	<0.005	<0.005			<0.005	0.0026 (J)	<0.005	
9/25/2020									0.01
9/28/2020				<0.005	<0.005				
2/18/2021	0.0017 (J)	<0.005	<0.005	<0.005	<0.005				
2/19/2021						<0.005	<0.005	<0.005	0.0065
2/23/2021									
3/8/2021									
3/24/2021	0.0017 (J)	<0.005	<0.005						
3/25/2021									
3/26/2021				<0.005				<0.005	<0.005
3/29/2021					<0.005	<0.005	<0.005		
8/18/2021	<0.005								
8/19/2021		<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	<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			
7/27/2022	0.0018 (J)	<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	0.0024 (J)	<0.005	0.0022 (J)						
1/27/2023				<0.005		<0.005			
1/30/2023					<0.005				
2/1/2023									0.006
2/2/2023								0.0019 (J)	
2/7/2023							0.0016 (J)		
8/17/2023	0.0015 (J)	<0.005	<0.005						
8/18/2023				<0.005	<0.005				
8/21/2023									
8/22/2023							0.0017 (J)		
8/23/2023						<0.005		<0.005	
8/25/2023									0.0049 (J)
1/30/2024									0.0054
2/1/2024	0.0034 (J)	<0.005							
2/2/2024			0.0024 (J)	0.0013 (J)					
2/5/2024					<0.005	<0.005			
2/6/2024									
2/8/2024							0.0012 (J)	<0.005	
8/19/2024	0.0013 (J)	<0.005	0.0013 (J)	<0.005					
8/20/2024					<0.005				
8/21/2024							<0.005		0.004 (J)
8/22/2024						<0.005		<0.005	
2/6/2025	0.0036 (J)				0.002 (J)				
2/7/2025		<0.005	<0.005	<0.005					
2/10/2025						<0.005			
2/11/2025								0.0015 (J)	0.007

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/13/2025							0.002 (J)		

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.005	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.005	
8/18/2016		
10/7/2016		
10/10/2016	<0.005	
12/6/2016		
12/7/2016		
12/8/2016	<0.005	
1/23/2017		0.015
2/7/2017		0.0114
2/16/2017		
2/17/2017		
2/20/2017	<0.005	
3/27/2017		0.0092 (J)
4/17/2017		0.0082 (J)
4/18/2017		
4/19/2017		
4/20/2017	<0.005	
5/22/2017		0.0094 (J)
5/30/2017		
6/1/2017	<0.005	
6/5/2017		0.0118
7/11/2017		0.012
7/14/2017		
7/17/2017	<0.005	
7/18/2017		
7/19/2017		
8/23/2017		0.0097 (J)
3/26/2018		<0.005
3/27/2018		
3/28/2018	<0.005	
3/29/2018		
2/25/2019		
2/27/2019		
3/1/2019	<0.005	0.01 (J)
4/2/2019		0.0092 (J)
4/3/2019		
4/4/2019	<0.005	
9/26/2019		
9/27/2019		0.0033 (J)
9/30/2019	<0.005	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.005	<0.005
3/19/2020		
3/20/2020		
3/23/2020		0.0041 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/24/2020	<0.005	
3/25/2020		
9/24/2020		
9/25/2020		0.0035 (J)
9/28/2020	<0.005	
2/18/2021		
2/19/2021		
2/23/2021	<0.005	
3/8/2021		0.0048 (J)
3/24/2021		
3/25/2021		0.0021 (J)
3/26/2021	<0.005	
3/29/2021		
8/18/2021		
8/19/2021	<0.005	0.0052
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		0.0084
2/15/2022		
2/16/2022	<0.005	
7/27/2022	<0.005	
7/28/2022		
8/1/2022		0.0074
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.005	
1/30/2023		
2/1/2023		0.01
2/2/2023		
2/7/2023		
8/17/2023	<0.005	
8/18/2023		
8/21/2023		0.0065
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.005	
2/6/2024		0.0093
2/8/2024		
8/19/2024		
8/20/2024	<0.005	
8/21/2024		
8/22/2024		0.0032 (J)
2/6/2025		
2/7/2025		
2/10/2025	<0.005	0.0024 (J)
2/11/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/13/2025		

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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)	
4/1/2021									
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					0.0086				
8/24/2021			<0.005					<0.005	0.0096
8/25/2021		<0.005							
2/14/2022					0.011		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0084
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			0.007
7/29/2022		<0.005			0.011				
8/2/2022							<0.005	<0.005	
1/27/2023	<0.005								
1/30/2023			<0.005	<0.005		<0.005			
1/31/2023		<0.005							0.0097
2/1/2023					0.0098				
2/2/2023								<0.005	
2/7/2023							<0.005		
8/18/2023	<0.005	<0.005	<0.005						0.0082
8/21/2023					0.014		0.0019 (J)		
8/23/2023								<0.005	
8/24/2023				<0.005		<0.005			
1/30/2024					0.013				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/2/2024	<0.005								
2/5/2024			<0.005						
2/6/2024							0.0039 (J)		
2/7/2024				<0.005		<0.005			0.0091
2/8/2024		<0.005						<0.005	
8/19/2024	<0.005								
8/20/2024			<0.005		0.012				0.0066
8/21/2024		<0.005							
8/22/2024				<0.005		<0.005	0.0044 (J)	<0.005	
2/5/2025					0.016				
2/6/2025	<0.005		<0.005						
2/10/2025									0.0067
2/11/2025				0.0034 (J)		<0.005	0.0045 (J)		
2/12/2025		<0.005							
2/18/2025								<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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)	
9/3/2020		0.0022 (J)
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.005	<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)	
4/1/2021		0.0027 (J)
8/19/2021		
8/20/2021		<0.005
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		<0.005
7/28/2022		<0.005
7/29/2022	<0.005	
8/2/2022		
1/27/2023		
1/30/2023		<0.005
1/31/2023		
2/1/2023	0.0016 (J)	
2/2/2023		
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	<0.005	
8/24/2023		<0.005
1/30/2024		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.005	<0.005
2/8/2024		
8/19/2024		
8/20/2024		<0.005
8/21/2024	<0.005	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.005
2/12/2025	0.0016 (J)	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.0028 (J)	<0.005						
1/28/2021					0.014	<0.005		
2/18/2021		<0.005						
2/23/2021					0.013	0.0016 (J)		
3/8/2021	<0.005							
3/29/2021	<0.005							
3/30/2021					0.01 (J)	<0.005		
3/31/2021		<0.005						
4/19/2021			<0.005	<0.005				
8/18/2021		<0.005		<0.005				
8/23/2021	<0.005				0.013	<0.005		
8/24/2021			<0.005					
2/9/2022		<0.005		<0.005				
2/14/2022					0.0042 (J)	0.0018 (J)		
2/15/2022	<0.005							
2/17/2022			<0.005					
4/28/2022								<0.005
7/26/2022		<0.005		<0.005				
7/28/2022						<0.005		
8/1/2022	<0.005		<0.005		0.0036 (J)			
8/2/2022								<0.005
1/25/2023		<0.005		<0.005				
1/31/2023					0.0058	<0.005		
2/1/2023			<0.005					
2/2/2023								<0.005
2/7/2023	<0.005							
8/15/2023		<0.005		<0.005				
8/21/2023					0.0097			
8/22/2023			<0.005			0.0039 (J)		
8/23/2023	<0.005							
1/30/2024	0.0055							
1/31/2024		<0.005		<0.005				
2/5/2024					0.004 (J)	0.0014 (J)		
2/6/2024			<0.005					
8/15/2024		<0.005						
8/16/2024				<0.005				
8/20/2024					0.0049 (J)	0.0022 (J)		
8/21/2024	0.001 (J)		<0.005					
8/22/2024								<0.005
12/3/2024							<0.005	
2/5/2025		<0.005		<0.005				
2/6/2025					0.0056			
2/7/2025						0.0043 (J)		<0.005
2/10/2025			0.0015 (J)					
2/11/2025	0.0019 (J)							
2/12/2025							<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	8						100	26	
6/7/2016						26			99
6/8/2016					410				
8/9/2016	6.5								
8/10/2016						29		22	
8/11/2016					460		110		
8/12/2016									
8/16/2016									110
8/22/2016		4.2							
10/3/2016	5.7								
10/4/2016		6.4				40		20	
10/5/2016							120		
10/6/2016					440				
10/7/2016									110
11/29/2016	5.2								
12/1/2016		7.8						20	
12/2/2016						37			
12/5/2016							130		
12/6/2016					470				110
1/10/2017		4.5							
2/13/2017	6.4								
2/14/2017		5.1				45		20	
2/15/2017					510		120		
2/16/2017									110
4/13/2017	4.9							21	
4/14/2017		4.4				27			
4/17/2017							110		
4/18/2017					450				110
5/25/2017	5.7	4.2						22	
5/26/2017						34	110		
6/2/2017					470				110
7/7/2017	6.3							25	
7/10/2017		3.5				28			
7/11/2017							110		
7/12/2017									110
7/13/2017									
7/14/2017					230				
10/9/2017	6.1							25	
10/10/2017		3.3				30	110		
10/11/2017					480				110
6/12/2018	8.3	6.8				35.2	80.6		
6/13/2018					419				
6/14/2018									110
10/16/2018	8.9	7.6				53		32.4	
10/17/2018							117		
10/18/2018					438				122
4/1/2019	10.8	5.2				30.5	81.4		
4/2/2019					334			29.8	105
5/2/2019	11.2								
9/23/2019	9	6.6						27.5	
9/24/2019					266	36.5	89		
9/25/2019									93.7

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/18/2020								25.7	
2/19/2020		1.6							
3/18/2020	11.7	3.7				34.3			
3/19/2020					287		74.3	28	
3/23/2020									95.6
5/22/2020			53.5						
5/25/2020				43.3					
6/23/2020			64.5	59.7					
7/28/2020			65.7	15.8					
9/2/2020			70.2						
9/3/2020				24.4					
9/23/2020	12.9	5.3				33.5		24.6	
9/24/2020							84.8		98.6
9/25/2020					298				
10/1/2020			70.2	26.6					
11/10/2020			68.9	24.1					
12/15/2020			78	28.3					
1/20/2021			73.4	26.1					
3/23/2021		4.6							
3/24/2021						24.2	70.5		
3/25/2021			74.5	22					
3/26/2021	12.8								
3/30/2021					290				104
3/31/2021								21.9	
8/16/2021	12.7	4.8	74.5	6.7				23.4	
8/18/2021						34	71.7		97.9
8/19/2021					237				
2/9/2022	13.5		72.7	19.1				16.7	
2/10/2022		1.9				27.2	70		
2/11/2022					225				86.1
7/26/2022	13.2	3.6	74.9	20.8		31.6	88	20.7	
7/27/2022									
7/28/2022					268				105
1/24/2023	12.5	1.4	67.2	22.4					
1/25/2023								15.5	
1/26/2023					253	24.3	63.6		
1/27/2023									97.3
8/15/2023			65.7					18.2	
8/16/2023		3.8		23		21			
8/17/2023					207		87.3		95
8/21/2023	14.4								
1/31/2024			69.1	54.2				15.1	
2/1/2024						21.4	78		96.9
2/2/2024					181				
2/5/2024		1.3							
2/8/2024	13.8								
8/15/2024			66.1	45.3				17.3	
8/16/2024					165	15.1			
8/19/2024							87		
8/20/2024									92.6
8/21/2024	14.3	3.3							
2/4/2025			65.4	44				14.4	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/5/2025						11.6	80		
2/6/2025		2.2			147				89.8
2/10/2025	14.7								

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	190	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	180	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	200	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	130	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	190	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	220	
5/25/2017		
5/26/2017		
6/2/2017	250	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	250	
7/14/2017		
10/9/2017		
10/10/2017	210	
10/11/2017		
6/12/2018		
6/13/2018		
6/14/2018	275	
10/16/2018		
10/17/2018	336	
10/18/2018		
4/1/2019	239	
4/2/2019		
5/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	205	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/18/2020		
2/19/2020		
3/18/2020		
3/19/2020	255	
3/23/2020		
5/22/2020		92.6
5/25/2020		
6/23/2020		88.7
7/28/2020		300
9/2/2020		360
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	320	
10/1/2020		382
11/10/2020		354
12/15/2020		406
1/20/2021		299
3/23/2021		
3/24/2021	301	115
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	326	375
8/19/2021		
2/9/2022		130
2/10/2022		
2/11/2022	343	
7/26/2022		486
7/27/2022	419	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	463	213
1/27/2023		
8/15/2023		
8/16/2023	398	486
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	495	483
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		492
8/19/2024	419	
8/20/2024		
8/21/2024		
2/4/2025		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/5/2025	456	440
2/6/2025		
2/10/2025		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	240	120							
6/8/2016			120	110	530	75	660		
6/9/2016								510	730
8/11/2016	250	110							
8/12/2016			81	110	530				
8/15/2016									
8/18/2016						66	730	480	580
10/7/2016	260	150	140	150					
10/10/2016					600	57	650	460	520
12/6/2016	280	130	160						
12/7/2016				97	580			490	370
12/8/2016						68	660		
1/23/2017									
2/7/2017									
2/16/2017	380	120	92	130					
2/17/2017					710	57	740		
2/20/2017								520	610
3/27/2017									
4/17/2017									
4/18/2017	290								
4/19/2017		110	80	140	610	52		490	600
4/20/2017							990		
5/22/2017									
5/30/2017	260	110							
6/1/2017			73	70	550	55			
6/5/2017							700	480	700
7/11/2017									
7/14/2017	260	110	78	110					
7/17/2017								510	670
7/18/2017					590	50			
7/19/2017							720		
8/23/2017									
10/10/2017									
10/11/2017	270	120	83	93	550			510	510
10/12/2017						48	780		
6/12/2018	246								
6/13/2018					541			586	689
6/14/2018		106	74.6			48.1	738		
6/15/2018				78.3					
10/17/2018		118							
10/18/2018	276		89.3						
10/19/2018				114		57.2			
10/22/2018					604		846	590	723
4/2/2019	272	86.9	70.1						
4/3/2019				90.6	593	61.9	720	603	648
4/4/2019									
5/2/2019							827		
9/26/2019	288	219	114	130	498				
9/27/2019							905	721	
9/30/2019						54.5			758
2/25/2020							472		
2/26/2020									

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/19/2020	311	90.5							
3/20/2020			75.9	76.9		57.8	610		
3/23/2020					494			612	
3/24/2020									
3/25/2020									603
9/24/2020	338	156	69.9			57.8	864	676	
9/25/2020									613
9/28/2020				70.3	578				
3/24/2021	317	93.7	67.3						
3/25/2021									
3/26/2021				66.8				679	515
3/29/2021					504	55.2	772		
7/19/2021							506	335	194
7/20/2021									
8/18/2021	297								
8/19/2021		91.7	56.4						
8/20/2021				47.5	550	54.6			
8/23/2021							848	628	527
11/1/2021							690	410	225
2/11/2022	358	88.7							
2/14/2022								622	
2/15/2022							789		473
2/16/2022			61.5	79.6	555	48.7			
7/27/2022	496	118	55.5	82.7	617				
7/28/2022						55.3			
8/1/2022								528	
8/2/2022							762		52.8
10/21/2022									389
1/26/2023	490	110	58.3						
1/27/2023				38.2		55.3			
1/30/2023					622				
2/1/2023									395
2/2/2023								514	
2/7/2023							707		
8/17/2023	453	116	60.8						
8/18/2023				66	612				
8/21/2023									
8/22/2023							748		
8/23/2023						46.4		320	
8/25/2023									337
1/30/2024									324
2/1/2024	551	132							
2/2/2024			57.9	48.2					
2/5/2024					649	50.7			
2/6/2024									
2/8/2024							549	368	
8/19/2024	519	138	63	<1					
8/20/2024					623				
8/21/2024							537		242
8/22/2024						56.5		426	
2/6/2025	455				573				
2/7/2025		119	62	91					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/10/2025						51.6			
2/11/2025								218	229
2/13/2025							356		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	10	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	10	
8/18/2016		
10/7/2016		
10/10/2016	10	
12/6/2016		
12/7/2016		
12/8/2016	13	
1/23/2017		410
2/7/2017		410
2/16/2017		
2/17/2017		
2/20/2017	24	
3/27/2017		410
4/17/2017		400
4/18/2017		
4/19/2017		
4/20/2017	26	
5/22/2017		460
5/30/2017		
6/1/2017	29	
6/5/2017		440
7/11/2017		420
7/14/2017		
7/17/2017	25	
7/18/2017		
7/19/2017		
8/23/2017		390
10/10/2017		420
10/11/2017	12	
10/12/2017		
6/12/2018		
6/13/2018		
6/14/2018	10	
6/15/2018		174
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	8.1	204
4/2/2019		153
4/3/2019		
4/4/2019	11.4	
5/2/2019		
9/26/2019		
9/27/2019		51.7
9/30/2019	10.7	
2/25/2020		
2/26/2020		42.6

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/19/2020		
3/20/2020		
3/23/2020		55.7
3/24/2020	18.8	
3/25/2020		
9/24/2020		
9/25/2020		53.6
9/28/2020	8.8	
3/24/2021		
3/25/2021		28.1
3/26/2021	21.3	
3/29/2021		
7/19/2021		
7/20/2021		37.2
8/18/2021		
8/19/2021	10.2	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	13.7	
7/27/2022	12.6	
7/28/2022		
8/1/2022		63.3
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	24.1	
1/30/2023		
2/1/2023		75.5
2/2/2023		
2/7/2023		
8/17/2023	20.2	
8/18/2023		
8/21/2023		54
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	34.6	
2/6/2024		64.2
2/8/2024		
8/19/2024		
8/20/2024	42	
8/21/2024		
8/22/2024		32.9
2/6/2025		
2/7/2025		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
2/10/2025	42.4	29.4
2/11/2025		
2/13/2025		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							188		
9/3/2020									
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	
4/1/2021									
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	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							42.6		
8/18/2023	119	189	143						110
8/21/2023					117		96.3		
8/23/2023								447	
8/24/2023				630		146			
1/30/2024					126				
2/2/2024	120								
2/5/2024			154						
2/6/2024							195		
2/7/2024				623		135			106
2/8/2024		189						282	
8/19/2024	111								
8/20/2024			157		106				92.4
8/21/2024		161							
8/22/2024				556		125	173	398	
2/5/2025					98.4				
2/6/2025	110		146						
2/10/2025									46.2
2/11/2025				298		116	159		
2/12/2025		134							
2/18/2025								105	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		124
5/20/2020		118
9/2/2020	224	
9/3/2020		141
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	
4/1/2021		115
8/19/2021		
8/20/2021		151
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		122
7/28/2022		136
7/29/2022	343	
8/2/2022		
1/27/2023		
1/30/2023		121
1/31/2023		
2/1/2023	345	
2/2/2023		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
2/7/2023		
8/18/2023		
8/21/2023		
8/23/2023	299	
8/24/2023		112
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	329	109
2/8/2024		
8/19/2024		
8/20/2024		104
8/21/2024	315	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		102
2/12/2025	296	
2/18/2025		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	333	37.2						
5/20/2020	342							
9/3/2020	358	31						
1/28/2021					562	308		
2/23/2021					536	320		
3/29/2021	301							
3/30/2021					636	347		
3/31/2021		42.9						
4/19/2021			223	26.7				
7/20/2021	262							
8/18/2021		35		23.3				
8/23/2021	328				545	277		
8/24/2021			235					
2/9/2022		48.4		79.4				
2/14/2022					114	64.1		
2/15/2022	323							
2/17/2022			209					
4/28/2022								138
7/26/2022		38.1		112				
7/28/2022						50.1		
8/1/2022	316		204		94.4			
8/2/2022								219
1/25/2023		11.7		268				
1/31/2023					135	77.2		
2/1/2023			232					
2/2/2023								163
2/7/2023	167							
8/15/2023		11.4		218				
8/21/2023					95			
8/22/2023			214			92.8		
8/23/2023	283							
1/30/2024	288							
1/31/2024		20.7		271				
2/5/2024					60.5	52		
2/6/2024			214					
8/15/2024		24.1						
8/16/2024				97				
8/20/2024					58.9	45.6		
8/21/2024	268		200					
8/22/2024								414
12/3/2024							573	
2/5/2025		32.7		213				
2/6/2025					58.8			
2/7/2025						64		228
2/10/2025			183					
2/11/2025	238							
2/12/2025							453	

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	170						320	220	
6/7/2016						200			300
6/8/2016					800				
8/9/2016	183								
8/10/2016						228		299	
8/11/2016					852		361		
8/12/2016									
8/16/2016									286
8/22/2016		121							
10/3/2016	201								
10/4/2016		95				186		245	
10/5/2016							376		
10/6/2016					906				
10/7/2016									513
11/29/2016	109								
12/1/2016		121						269	
12/2/2016						183			
12/5/2016							426		
12/6/2016					976				421
1/10/2017		115							
2/13/2017	214								
2/14/2017		345 (O)				367		405	
2/15/2017					968		452		
2/16/2017									433
4/13/2017	211							349	
4/14/2017		119				184			
4/17/2017							388		
4/18/2017					944				349
5/25/2017	173	109						283	
5/26/2017						179	423		
6/2/2017					910				313
7/7/2017	165							265	
7/10/2017		140				211			
7/11/2017							387		
7/12/2017									255
7/13/2017									
7/14/2017					887				
10/9/2017	150							253	
10/10/2017		93				178	376		
10/11/2017					887				343
6/12/2018	187	139				217	348		
6/13/2018					873				
6/14/2018									362
10/16/2018	192	138				247		311	
10/17/2018							377		
10/18/2018					876				355
4/1/2019	226	114				191	326		
4/2/2019					728			295	355
9/23/2019	186	122						296	
9/24/2019					733	193	325		
9/25/2019									388
2/18/2020								318	

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/19/2020		113							
3/18/2020	191	108				193			
3/19/2020					733		306	300	
3/23/2020									355
5/22/2020			357						
5/25/2020				249					
6/23/2020			383	280					
7/28/2020			410	264					
9/2/2020			389						
9/3/2020				303					
9/23/2020	237	114				187		296	
9/24/2020							322		356
9/25/2020					726				
10/1/2020			384	301					
11/10/2020			405	305					
12/15/2020			385	289					
1/20/2021			377	285					
3/23/2021		108							
3/24/2021						198	294		
3/25/2021			415	331					
3/26/2021	204								
3/30/2021					570				321
3/31/2021								299	
8/16/2021	217	101	399	269				298	
8/18/2021						220	307		366
8/19/2021					666				
2/9/2022	229		403	290				304	
2/10/2022		96				259	304		
2/11/2022					618				360
7/26/2022	215	114	402	246		196	349	306	
7/27/2022									
7/28/2022					732				338
1/24/2023	223	129	391	280					
1/25/2023								312	
1/26/2023					657	190	301		
1/27/2023									380
8/15/2023			399					309	
8/16/2023		101		267		189			
8/17/2023					702		393		398
8/21/2023	243								
1/31/2024			411	324				313	
2/1/2024						202	339		391
2/2/2024					598				
2/5/2024		111							
2/8/2024	221								
8/15/2024			388	299				295	
8/16/2024					578	173			
8/19/2024							463		
8/20/2024									409
8/21/2024	219	105							
2/4/2025			406	324				323	
2/5/2025						173	344		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/6/2025		119			562				402
2/10/2025	234								

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	510	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	476	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	524	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	489	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	562	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	955	
5/25/2017		
5/26/2017		
6/2/2017	602	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	617	
7/14/2017		
10/9/2017		
10/10/2017	534	
10/11/2017		
6/12/2018		
6/13/2018		
6/14/2018	684	
10/16/2018		
10/17/2018	739	
10/18/2018		
4/1/2019	191	
4/2/2019		
9/23/2019		
9/24/2019		
9/25/2019	690	
2/18/2020		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/19/2020		
3/18/2020		
3/19/2020	662	
3/23/2020		
5/22/2020		454
5/25/2020		
6/23/2020		423
7/28/2020		768
9/2/2020		814
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	740	
10/1/2020		824
11/10/2020		800
12/15/2020		876
1/20/2021		786
3/23/2021		
3/24/2021	752	445
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	798	850
8/19/2021		
2/9/2022		468
2/10/2022		
2/11/2022	816	
7/26/2022		966
7/27/2022	952	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	995	554
1/27/2023		
8/15/2023		
8/16/2023	1050	1090
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	1150	1040
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		1070
8/19/2024	1090	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	1130	984

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/6/2025		
2/10/2025		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	580	360							
6/8/2016			390	340	1000	260	2000		
6/9/2016								1900	5200
8/11/2016	548	340							
8/12/2016			310	326	1100				
8/15/2016									
8/18/2016						239	1960	1600	4200
10/7/2016	617	533	823	621					
10/10/2016					1110	239	2130	1640	3850
12/6/2016	730	413	560						
12/7/2016				269	1100			1770	2720
12/8/2016						255	2200		
1/23/2017									
2/7/2017									
2/16/2017	685	434	364	488					
2/17/2017					1160	236	2200		
2/20/2017								1720	4200
3/27/2017									
4/17/2017									
4/18/2017	621								
4/19/2017		415	337	396	1180	247		1800	4680
4/20/2017							2330		
5/22/2017									
5/30/2017	601	391							
6/1/2017			215	266	1130	185			
6/5/2017							2530	2050	5660
7/11/2017									
7/14/2017	569	391	281	325					
7/17/2017								1810	5080
7/18/2017					1160	219			
7/19/2017							2650		
8/23/2017									
10/10/2017									
10/11/2017	588	403	334	287	1050			1780	4920
10/12/2017						245	2500		
6/12/2018	593								
6/13/2018					1060			2020	4180
6/14/2018		395	290			231	2380		
6/15/2018				280					
10/17/2018		446							
10/18/2018	578		325						
10/19/2018				321		236			
10/22/2018					1150		2490	1880	4300
4/2/2019	604	321	258						
4/3/2019				259	1090	244	2180	1990	13 (J)
4/4/2019									
9/26/2019	688	550	470	428	1210				
9/27/2019							3260	2540	
9/30/2019						256			4430
2/25/2020							1930		
2/26/2020									
3/19/2020	631	324							

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
3/20/2020			255	243		253	2200		
3/23/2020					1220			2800	
3/24/2020									
3/25/2020									4140
9/24/2020	732	481	310			243	3490	3160	
9/25/2020									5020
9/28/2020				243	1060				
3/24/2021	610	374	240						
3/25/2021									
3/26/2021				205				2690	3070
3/29/2021					1100	198	2430		
8/18/2021	658								
8/19/2021		384	252						
8/20/2021				204	1300	213			
8/23/2021							3660	3140	4300
2/11/2022	782	392							
2/14/2022								3350	
2/15/2022							3340		3890
2/16/2022			253	288	1180	235			
7/27/2022	944	438	307	338	1370				
7/28/2022						259			
8/1/2022								2780	
8/2/2022							3440		334
10/21/2022									1610
1/26/2023	895	396	197						
1/27/2023				200		342			
1/30/2023					1280				
2/1/2023									2550
2/2/2023								2680	
2/7/2023							2490		
8/17/2023	977	438	303						
8/18/2023				318	1490				
8/21/2023									
8/22/2023							3940		
8/23/2023						268		1620	
8/25/2023									2120
1/30/2024									2180
2/1/2024	1090	445							
2/2/2024			220	237					
2/5/2024					1490	267			
2/6/2024									
2/8/2024							2560	1790	
8/19/2024	1110	524	335	401					
8/20/2024					1620				
8/21/2024							2950		1440
8/22/2024						249		2340	
2/6/2025	1050				1430				
2/7/2025		442	264	345					
2/10/2025						243			
2/11/2025								1300	1500
2/13/2025							1670		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	170	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	161	
8/18/2016		
10/7/2016		
10/10/2016	196	
12/6/2016		
12/7/2016		
12/8/2016	209	
1/23/2017		2060
2/7/2017		1860
2/16/2017		
2/17/2017		
2/20/2017	251	
3/27/2017		2440
4/17/2017		2180
4/18/2017		
4/19/2017		
4/20/2017	324	
5/22/2017		2470
5/30/2017		
6/1/2017	177	
6/5/2017		2780
7/11/2017		2580
7/14/2017		
7/17/2017	238	
7/18/2017		
7/19/2017		
8/23/2017		2400
10/10/2017		1990
10/11/2017	199	
10/12/2017		
6/12/2018		
6/13/2018		
6/14/2018	225	
6/15/2018		1190
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	218	1070
4/2/2019		773
4/3/2019		
4/4/2019	196	
9/26/2019		
9/27/2019		629
9/30/2019	220	
2/25/2020		
2/26/2020		523
3/19/2020		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
3/20/2020		
3/23/2020		613
3/24/2020	213	
3/25/2020		
9/24/2020		
9/25/2020		482
9/28/2020	223	
3/24/2021		
3/25/2021		358
3/26/2021	215	
3/29/2021		
8/18/2021		
8/19/2021	235	682
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		618
2/15/2022		
2/16/2022	235	
7/27/2022	231	
7/28/2022		
8/1/2022		582
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	310	
1/30/2023		
2/1/2023		745
2/2/2023		
2/7/2023		
8/17/2023	250	
8/18/2023		
8/21/2023		611
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	279	
2/6/2024		511
2/8/2024		
8/19/2024		
8/20/2024	332	
8/21/2024		
8/22/2024		344
2/6/2025		
2/7/2025		
2/10/2025	286	282
2/11/2025		
2/13/2025		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 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									
5/11/2020									
5/20/2020									
9/2/2020							982		
9/3/2020									
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	
4/1/2021									
8/19/2021							808		
8/20/2021	419			2040		530			
8/23/2021					1140				
8/24/2021			504					2420	604
8/25/2021		1340							
2/14/2022					848		926		
2/15/2022									
2/16/2022	428	1320	474					1760	776
2/17/2022				2850		570			
7/28/2022	473		540	2930		692			810
7/29/2022		1260			846				
8/2/2022							1060	2700	
1/27/2023	433								
1/30/2023			593	2720		720			
1/31/2023		1240							671
2/1/2023					948				
2/2/2023								1220	
2/7/2023							348		
8/18/2023	454	1080	560						672

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 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
8/21/2023					975		774		
8/23/2023								1910	
8/24/2023				2730		690			
1/30/2024					908				
2/2/2024	443								
2/5/2024			578						
2/6/2024							1150		
2/7/2024				2960		610			579
2/8/2024		826						1250	
8/19/2024	441								
8/20/2024			588		752				528
8/21/2024		784							
8/22/2024				3300		606	1160	2580	
2/5/2025					686				
2/6/2025	448		591						
2/10/2025									495
2/11/2025				2210		650	1010		
2/12/2025		700							
2/18/2025								550	

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
5/11/2020		470
5/20/2020		799
9/2/2020	829	
9/3/2020		611
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	
4/1/2021		502
8/19/2021		
8/20/2021		628
8/23/2021		
8/24/2021	1160	
8/25/2021		
2/14/2022		
2/15/2022	1140	
2/16/2022		
2/17/2022		658
7/28/2022		628
7/29/2022	1180	
8/2/2022		
1/27/2023		
1/30/2023		658
1/31/2023		
2/1/2023	1500	
2/2/2023		
2/7/2023		
8/18/2023		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/21/2023		
8/23/2023	1300	
8/24/2023		541
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	1440	543
2/8/2024		
8/19/2024		
8/20/2024		576
8/21/2024	1470	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		470
2/12/2025	1370	
2/18/2025		

Time Series

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
5/4/2020	1680	298						
5/20/2020	1960							
9/3/2020	1980	312						
1/28/2021					2950	1460		
2/23/2021					2900	1590		
3/29/2021	700							
3/30/2021					1980	1170		
3/31/2021		308						
4/19/2021			970	270				
8/18/2021		307		264				
8/23/2021	2890				3370	1960		
8/24/2021			1530					
2/9/2022		347		377				
2/14/2022					632	321		
2/15/2022	1620							
2/17/2022			1620					
4/28/2022								450
7/26/2022		344		409				
7/28/2022						236		
8/1/2022	1850		1330		502			
8/2/2022								654
1/25/2023		350		659				
1/31/2023					664	286		
2/1/2023			1820					
2/2/2023								420
2/7/2023	992							
8/15/2023		348		623				
8/21/2023					704			
8/22/2023			1600			468		
8/23/2023	1600							
1/30/2024	1840							
1/31/2024		352		715				
2/5/2024					335	268		
2/6/2024			1300					
8/15/2024		338						
8/16/2024				413				
8/20/2024					367	227		
8/21/2024	1590		1410					
8/22/2024								964
12/3/2024							1150	
2/5/2025		324		662				
2/6/2025					321			
2/7/2025						282		666
2/10/2025			1140					
2/11/2025	1240							
2/12/2025							1070	

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
6/6/2016	<0.001						<0.001	<0.001	
6/7/2016						<0.001			<0.001
6/8/2016					<0.001				
8/9/2016	0.0001 (J)								
8/10/2016						<0.001		7E-05 (J)	
8/11/2016					<0.001		<0.001		
8/12/2016									
8/16/2016									<0.001
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001		<0.001	
10/5/2016							<0.001		
10/6/2016					<0.001				
10/7/2016									<0.001
11/29/2016	<0.001								
12/1/2016		<0.001						<0.001	
12/2/2016						<0.001			
12/5/2016							<0.001		
12/6/2016					<0.001				<0.001
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001		<0.001	
2/15/2017					<0.001		<0.001		
2/16/2017									<0.001
4/13/2017	9E-05 (J)							0.0001 (J)	
4/14/2017		<0.001				<0.001			
4/17/2017							<0.001		
4/18/2017					<0.001				<0.001
5/25/2017	0.0001 (J)	<0.001						6E-05 (J)	
5/26/2017						<0.001	<0.001		
6/2/2017					<0.001				<0.001
7/7/2017	9E-05 (J)							7E-05 (J)	
7/10/2017		<0.001				<0.001			
7/11/2017							<0.001		
7/12/2017									<0.001
7/13/2017									
7/14/2017					<0.001				
3/26/2018	<0.001	<0.001				<0.001			
3/27/2018					<0.001		<0.001		<0.001
3/28/2018									
6/12/2018	<0.001	<0.001				<0.001	<0.001		
6/13/2018					<0.001				
6/14/2018									<0.001
10/16/2018	<0.001	<0.001				<0.001		<0.001	
10/17/2018							<0.001		
10/18/2018					<0.001				<0.001
2/25/2019	<0.001					<0.001			
2/27/2019		<0.001							
2/28/2019					<0.001				<0.001
4/1/2019	0.00011 (J)	<0.001				<0.001	6.5E-05 (J)		
4/2/2019					7E-05 (J)			6.2E-05 (J)	<0.001
9/23/2019	0.00011 (J)	<0.001						6E-05 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
9/24/2019					8.7E-05 (J)	<0.001	<0.001		
9/25/2019									<0.001
2/18/2020	0.00011 (J)							5.3E-05 (J)	
2/19/2020		<0.001				<0.001			
2/20/2020							0.00022 (J)		<0.001
2/21/2020					9.6E-05 (J)				
2/24/2020									
3/18/2020	0.00012 (J)	<0.001				<0.001			
3/19/2020					0.00011 (J)		0.00018 (J)	6.1E-05 (J)	
3/23/2020									<0.001
5/22/2020			8.8E-05 (J)						
5/25/2020				<0.001					
6/23/2020			<0.001	<0.001					
7/28/2020			<0.001	<0.001					
9/2/2020			<0.001						
9/3/2020				<0.001					
9/23/2020	<0.001	<0.001				<0.001		<0.001	
9/24/2020							<0.001		<0.001
9/25/2020					<0.001				
10/1/2020			<0.001	<0.001					
11/10/2020			<0.001	<0.001					
12/15/2020			<0.001	<0.001					
1/20/2021			<0.001	<0.001					
2/16/2021	0.0002 (J)	<0.001				<0.001			
2/17/2021			<0.001	<0.001			<0.001		
2/18/2021					<0.001			<0.001	<0.001
2/19/2021									
3/23/2021		<0.001							
3/24/2021						<0.001	<0.001		
3/25/2021			<0.001	<0.001					
3/26/2021	0.00025 (J)								
3/30/2021					0.00015 (J)				<0.001
3/31/2021								0.00017 (J)	
8/16/2021	0.00019 (J)	<0.001	<0.001	<0.001				<0.001	
8/18/2021						<0.001	<0.001		<0.001
8/19/2021					0.00023 (J)				
2/9/2022	<0.001		<0.001	<0.001				<0.001	
2/10/2022		<0.001				<0.001	<0.001		
2/11/2022					0.0003 (J)				<0.001
7/26/2022	0.00021 (J)	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
7/27/2022									
7/28/2022					0.00029 (J)				<0.001
1/24/2023	<0.001	<0.001	<0.001	<0.001					
1/25/2023								0.00022 (J)	
1/26/2023					0.00019 (J)	<0.001	0.00018 (J)		
1/27/2023									<0.001
8/15/2023			<0.001					<0.001	
8/16/2023		<0.001		<0.001		<0.001			
8/17/2023					0.00074 (J)		0.0002 (J)		<0.001
8/21/2023	<0.001								
1/31/2024			<0.001	<0.001				<0.001	
2/1/2024						<0.001	<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10
2/2/2024					<0.001				
2/5/2024		<0.001							
2/8/2024	<0.001								
8/15/2024			<0.001	<0.001				<0.001	
8/16/2024					<0.001	<0.001			
8/19/2024							<0.001		
8/20/2024									<0.001
8/21/2024	<0.001	<0.001							
2/4/2025			<0.001	<0.001				<0.001	
2/5/2025						<0.001	<0.001		
2/6/2025		<0.001			0.00016 (J)				<0.001
2/10/2025	0.00082 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
6/6/2016		
6/7/2016	<0.001	
6/8/2016		
8/9/2016		
8/10/2016		
8/11/2016		
8/12/2016	9E-05 (J)	
8/16/2016		
8/22/2016		
10/3/2016		
10/4/2016		
10/5/2016		
10/6/2016	<0.001	
10/7/2016		
11/29/2016		
12/1/2016		
12/2/2016		
12/5/2016	<0.001	
12/6/2016		
1/10/2017		
2/13/2017		
2/14/2017		
2/15/2017	<0.001	
2/16/2017		
4/13/2017		
4/14/2017		
4/17/2017		
4/18/2017	9E-05 (J)	
5/25/2017		
5/26/2017		
6/2/2017	<0.001	
7/7/2017		
7/10/2017		
7/11/2017		
7/12/2017		
7/13/2017	8E-05 (J)	
7/14/2017		
3/26/2018		
3/27/2018		
3/28/2018	<0.001	
6/12/2018		
6/13/2018		
6/14/2018	<0.001	
10/16/2018		
10/17/2018	<0.001	
10/18/2018		
2/25/2019		
2/27/2019		
2/28/2019	<0.001	
4/1/2019	<0.001	
4/2/2019		
9/23/2019		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
9/24/2019		
9/25/2019	6E-05 (J)	
2/18/2020		
2/19/2020		
2/20/2020		
2/21/2020		
2/24/2020	<0.001	
3/18/2020		
3/19/2020	6.2E-05 (J)	
3/23/2020		
5/22/2020		0.00016 (J)
5/25/2020		
6/23/2020		0.00011 (J)
7/28/2020		0.00026 (J)
9/2/2020		0.00035 (J)
9/3/2020		
9/23/2020		
9/24/2020		
9/25/2020	<0.001	
10/1/2020		0.0005 (J)
11/10/2020		0.00044 (J)
12/15/2020		0.00044 (J)
1/20/2021		0.00031 (J)
2/16/2021		
2/17/2021		
2/18/2021		0.00077 (J)
2/19/2021	<0.001	
3/23/2021		
3/24/2021	<0.001	0.00023 (J)
3/25/2021		
3/26/2021		
3/30/2021		
3/31/2021		
8/16/2021		
8/18/2021	<0.001	0.00039 (J)
8/19/2021		
2/9/2022		0.00024 (J)
2/10/2022		
2/11/2022	<0.001	
7/26/2022		0.00047 (J)
7/27/2022	<0.001	
7/28/2022		
1/24/2023		
1/25/2023		
1/26/2023	<0.001	0.00048 (J)
1/27/2023		
8/15/2023		
8/16/2023	<0.001	0.00059 (J)
8/17/2023		
8/21/2023		
1/31/2024		
2/1/2024	<0.001	0.0006 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-14A
2/2/2024		
2/5/2024		
2/8/2024		
8/15/2024		
8/16/2024		0.00064 (J)
8/19/2024	<0.001	
8/20/2024		
8/21/2024		
2/4/2025		
2/5/2025	<0.001	0.00066 (J)
2/6/2025		
2/10/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/7/2016	0.0002 (J)	8.5E-05 (J)							
6/8/2016			<0.001	8.5E-05 (J)	<0.001	<0.001	0.00035 (J)		
6/9/2016								0.0001 (J)	0.00022 (J)
8/11/2016	0.0002 (J)	8E-05 (J)							
8/12/2016			6E-05 (J)	8E-05 (J)	<0.001				
8/15/2016									
8/18/2016						<0.001	0.0005 (J)	<0.001	<0.001
10/7/2016	0.0002 (J)	<0.001	<0.001	<0.001					
10/10/2016					<0.001	<0.001	0.0006 (J)	<0.001	0.0003 (J)
12/6/2016	0.0003 (J)	<0.001	<0.001						
12/7/2016				<0.001	<0.001			<0.001	<0.001
12/8/2016						<0.001	0.0005 (J)		
1/23/2017									
2/7/2017									
2/16/2017	0.0003 (J)	<0.001	<0.001	<0.001					
2/17/2017					<0.001	<0.001	0.0006 (J)		
2/20/2017								<0.001	0.0003 (J)
3/27/2017									
4/17/2017									
4/18/2017	0.0002 (J)								
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)		
5/22/2017									
5/30/2017	0.0002 (J)	9E-05 (J)							
6/1/2017			<0.001	8E-05 (J)	<0.001	<0.001			
6/5/2017							0.0006 (J)	<0.001	0.0004 (J)
7/11/2017									
7/14/2017	0.0002 (J)	9E-05 (J)	<0.001	8E-05 (J)					
7/17/2017								<0.001	0.0004 (J)
7/18/2017					<0.001	<0.001			
7/19/2017							0.0007 (J)		
8/23/2017									
3/26/2018									
3/27/2018	0.00019 (J)	<0.001	<0.001	<0.001					
3/28/2018					<0.001	<0.001			
3/29/2018							0.00063 (J)	<0.001	0.00048 (J)
6/12/2018	0.0002 (J)								
6/13/2018					<0.001			<0.001	0.00053 (J)
6/14/2018		<0.001	<0.001			<0.001	0.00069 (J)		
6/15/2018				<0.001					
10/17/2018		<0.001							
10/18/2018	0.0002 (J)		<0.001						
10/19/2018				<0.001		<0.001			
10/22/2018					<0.001		0.00071 (J)	<0.001	0.00047 (J)
2/25/2019	0.00023 (J)								
2/27/2019		<0.001	<0.001		<0.001				
3/1/2019				<0.001			0.00074 (J)	<0.001	0.0007 (J)
4/2/2019	0.0002 (J)	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									
9/26/2019	0.00023 (J)	0.00026 (J)	7.1E-05 (J)	8E-05 (J)	<0.001				
9/27/2019							0.00088 (J)	0.00018 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/30/2019						<0.001			0.00069 (J)
2/20/2020	0.00028 (J)								
2/24/2020		5.9E-05 (J)	6.8E-05 (J)	<0.001	<0.001				
2/25/2020							0.00062 (J)	0.00015 (J)	
2/26/2020						<0.001			0.00073 (J)
3/19/2020	0.00022 (J)	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									
3/25/2020									0.00066 (J)
9/24/2020	0.00024 (J)	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				
2/18/2021	0.00023 (J)	<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									
3/8/2021									
3/24/2021	0.00019 (J)	<0.001	<0.001						
3/25/2021									
3/26/2021				<0.001				0.00069 (J)	0.00057 (J)
3/29/2021					<0.001	<0.001	0.0009 (J)		
8/18/2021	0.00023 (J)								
8/19/2021		<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	0.00024 (J)	<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			
7/27/2022	0.00025 (J)	<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	0.00023 (J)	<0.001	0.00019 (J)						
1/27/2023				<0.001		<0.001			
1/30/2023					<0.001				
2/1/2023									0.00035 (J)
2/2/2023								0.00027 (J)	
2/7/2023							0.0008 (J)		
8/17/2023	0.00025 (J)	<0.001	<0.001						
8/18/2023				<0.001	<0.001				
8/21/2023									
8/22/2023							0.0013		
8/23/2023						<0.001		<0.001	
8/25/2023									0.00028 (J)
1/30/2024									<0.001
2/1/2024	<0.001	<0.001							
2/2/2024			<0.001	<0.001					
2/5/2024					<0.001	<0.001			
2/6/2024									
2/8/2024							0.00083 (J)	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
8/19/2024	<0.001	<0.001	<0.001	<0.001					
8/20/2024					<0.001				
8/21/2024							0.00064 (J)		<0.001
8/22/2024						<0.001		0.00057 (J)	
2/6/2025	0.00027 (J)				0.00023 (J)				
2/7/2025		<0.001	<0.001	<0.001					
2/10/2025						<0.001			
2/11/2025								0.00038 (J)	0.0002 (J)
2/13/2025							0.0011		

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
6/7/2016		
6/8/2016	<0.001	
6/9/2016		
8/11/2016		
8/12/2016		
8/15/2016	<0.001	
8/18/2016		
10/7/2016		
10/10/2016	<0.001	
12/6/2016		
12/7/2016		
12/8/2016	<0.001	
1/23/2017		0.0008 (J)
2/7/2017		0.0008 (J)
2/16/2017		
2/17/2017		
2/20/2017	<0.001	
3/27/2017		0.0006 (J)
4/17/2017		0.0007 (J)
4/18/2017		
4/19/2017		
4/20/2017	<0.001	
5/22/2017		0.0008 (J)
5/30/2017		
6/1/2017	<0.001	
6/5/2017		0.0007 (J)
7/11/2017		0.0007 (J)
7/14/2017		
7/17/2017	<0.001	
7/18/2017		
7/19/2017		
8/23/2017		0.0007 (J)
3/26/2018		0.00058 (J)
3/27/2018		
3/28/2018	<0.001	
3/29/2018		
6/12/2018		
6/13/2018		
6/14/2018	<0.001	
6/15/2018		0.00056 (J)
10/17/2018		
10/18/2018		
10/19/2018		
10/22/2018	<0.001	0.00034 (J)
2/25/2019		
2/27/2019		
3/1/2019	<0.001	0.00024 (J)
4/2/2019		0.00024 (J)
4/3/2019		
4/4/2019	<0.001	
9/26/2019		
9/27/2019		0.00014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
9/30/2019	<0.001	
2/20/2020		
2/24/2020		
2/25/2020		
2/26/2020	<0.001	8.5E-05 (J)
3/19/2020		
3/20/2020		
3/23/2020		9.1E-05 (J)
3/24/2020	<0.001	
3/25/2020		
9/24/2020		
9/25/2020		<0.001
9/28/2020	<0.001	
2/18/2021		
2/19/2021		
2/23/2021	<0.001	
3/8/2021		<0.001
3/24/2021		
3/25/2021		<0.001
3/26/2021	<0.001	
3/29/2021		
8/18/2021		
8/19/2021	<0.001	0.00022 (J)
8/20/2021		
8/23/2021		
2/11/2022		
2/14/2022		<0.001
2/15/2022		
2/16/2022	<0.001	
7/27/2022	<0.001	
7/28/2022		
8/1/2022		<0.001
8/2/2022		
10/21/2022		
1/26/2023		
1/27/2023	<0.001	
1/30/2023		
2/1/2023		<0.001
2/2/2023		
2/7/2023		
8/17/2023	<0.001	
8/18/2023		
8/21/2023		<0.001
8/22/2023		
8/23/2023		
8/25/2023		
1/30/2024		
2/1/2024		
2/2/2024		
2/5/2024	<0.001	
2/6/2024		<0.001
2/8/2024		

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30
8/19/2024		
8/20/2024	<0.001	
8/21/2024		
8/22/2024		<0.001
2/6/2025		
2/7/2025		
2/10/2025	<0.001	<0.001
2/11/2025		
2/13/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 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)		
9/3/2020									
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)	
4/1/2021									
8/19/2021							<0.001		
8/20/2021	<0.001			0.00026 (J)		<0.001			
8/23/2021					0.00024 (J)				
8/24/2021			<0.001					0.00027 (J)	<0.001
8/25/2021		<0.001							
2/14/2022					0.00022 (J)		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	0.00022 (J)		<0.001			<0.001
7/29/2022		<0.001			0.00018 (J)				
8/2/2022							<0.001	<0.001	
1/27/2023	<0.001								
1/30/2023			<0.001	<0.001		<0.001			
1/31/2023		<0.001							<0.001
2/1/2023					<0.001				
2/2/2023								<0.001	
2/7/2023							<0.001		
8/18/2023	<0.001	<0.001	<0.001						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 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
8/21/2023					<0.001		<0.001		
8/23/2023								<0.001	
8/24/2023				<0.001		0.00048 (J)			
1/30/2024					<0.001				
2/2/2024	<0.001								
2/5/2024			<0.001						
2/6/2024							<0.001		
2/7/2024				<0.001		<0.001			<0.001
2/8/2024		<0.001						<0.001	
8/19/2024	<0.001								
8/20/2024			<0.001		<0.001				<0.001
8/21/2024		<0.001							
8/22/2024				<0.001		<0.001	0.00093 (J)	<0.001	
2/5/2025					0.0002 (J)				
2/6/2025	<0.001		<0.001						
2/10/2025									<0.001
2/11/2025				<0.001		<0.001	0.0013		
2/12/2025		<0.001							
2/18/2025								<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
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	
9/3/2020		<0.001
9/25/2020		
9/28/2020		
9/29/2020		
2/19/2021		
2/22/2021	<0.001	<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	
4/1/2021		<0.001
8/19/2021		
8/20/2021		<0.001
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		<0.001
7/28/2022		<0.001
7/29/2022	<0.001	
8/2/2022		
1/27/2023		
1/30/2023		<0.001
1/31/2023		
2/1/2023	<0.001	
2/2/2023		
2/7/2023		
8/18/2023		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D
8/21/2023		
8/23/2023	<0.001	
8/24/2023		<0.001
1/30/2024		
2/2/2024		
2/5/2024		
2/6/2024		
2/7/2024	<0.001	<0.001
2/8/2024		
8/19/2024		
8/20/2024		<0.001
8/21/2024	<0.001	
8/22/2024		
2/5/2025		
2/6/2025		
2/10/2025		
2/11/2025		<0.001
2/12/2025	<0.001	
2/18/2025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 11:33 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

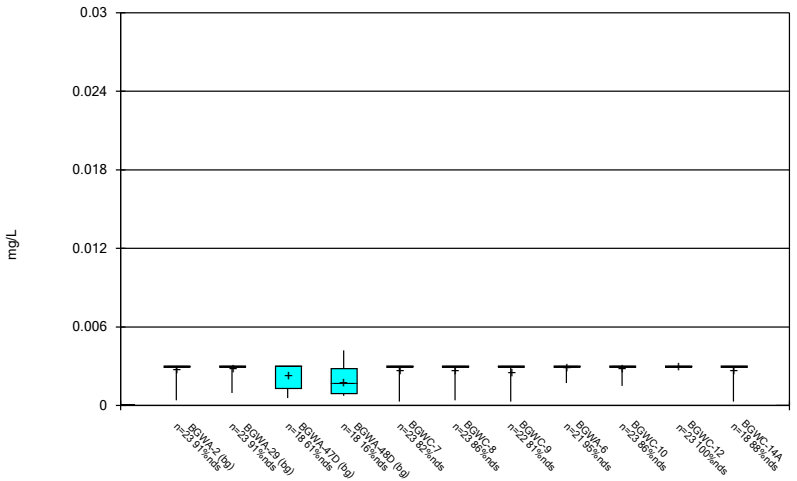
	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.0024	<0.001						
1/28/2021					0.0002 (J)	0.00045 (J)		
2/18/2021		<0.001						
2/23/2021					<0.001	0.00023 (J)		
3/8/2021	0.0015							
3/29/2021	0.0016							
3/30/2021					0.0004 (J)	0.00024 (J)		
3/31/2021		<0.001						
4/19/2021			<0.001	<0.001				
8/18/2021		<0.001		<0.001				
8/23/2021	0.0028				<0.001	0.00037 (J)		
8/24/2021			<0.001					
2/9/2022		<0.001		<0.001				
2/14/2022					<0.001	<0.001		
2/15/2022	0.0034							
2/17/2022			<0.001					
4/28/2022								<0.001
7/26/2022		<0.001		<0.001				
7/28/2022						<0.001		
8/1/2022	0.0028		<0.001		<0.001			
8/2/2022								<0.001
1/25/2023		<0.001		<0.001				
1/31/2023					<0.001	0.0002 (J)		
2/1/2023			<0.001					
2/2/2023								<0.001
2/7/2023	0.0011							
8/15/2023		<0.001		<0.001				
8/21/2023					<0.001			
8/22/2023			<0.001			<0.001		
8/23/2023	0.0021							
1/30/2024	0.0055							
1/31/2024		<0.001		<0.001				
2/5/2024					<0.001	<0.001		
2/6/2024			<0.001					
4/3/2024	0.0021							
8/15/2024		<0.001						
8/16/2024				<0.001				
8/20/2024					<0.001	0.00039 (J)		
8/21/2024	0.0022		<0.001					
8/22/2024								0.00042 (J)
12/3/2024							<0.001	
2/5/2025		<0.001		<0.001				
2/6/2025					<0.001			
2/7/2025						<0.001		0.0002 (J)
2/10/2025			<0.001					
2/11/2025	0.0024							
2/12/2025							<0.001	

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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Box & Whiskers Plot

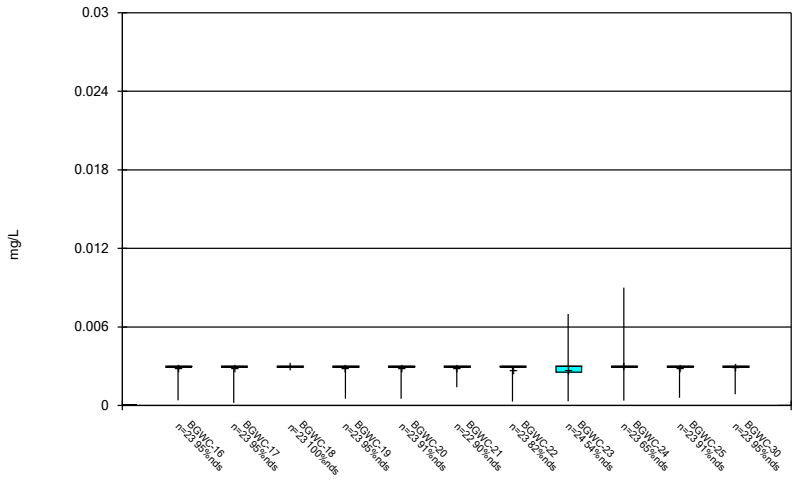


Constituent: Antimony Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

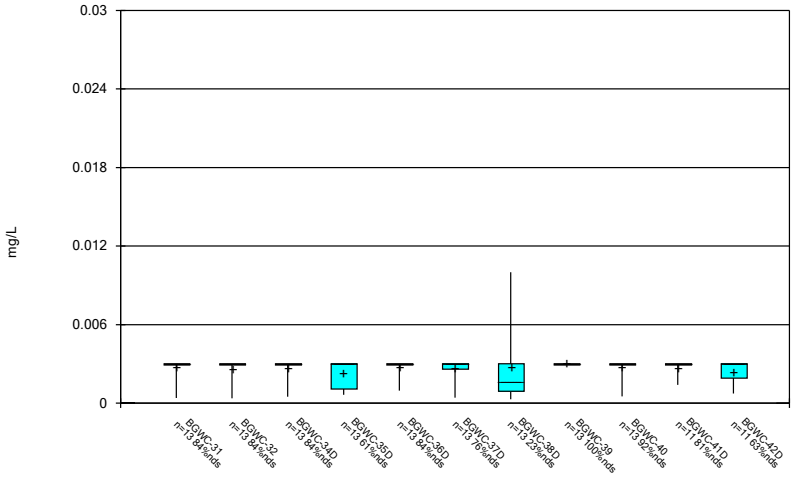


Constituent: Antimony Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

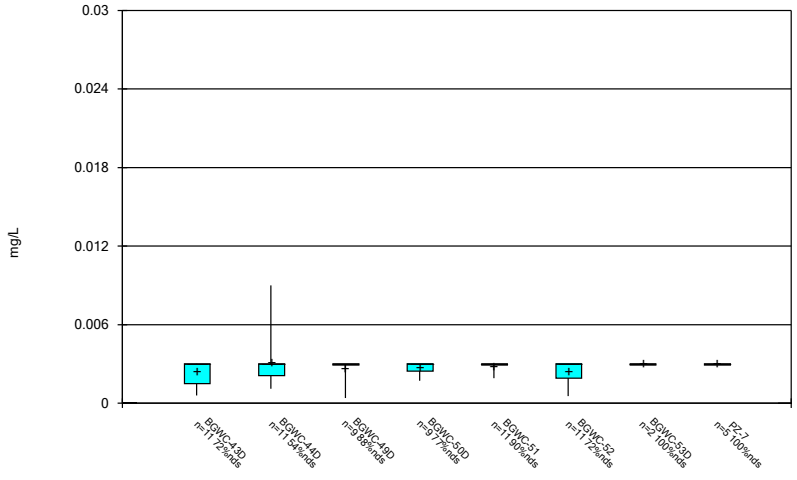


Constituent: Antimony Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

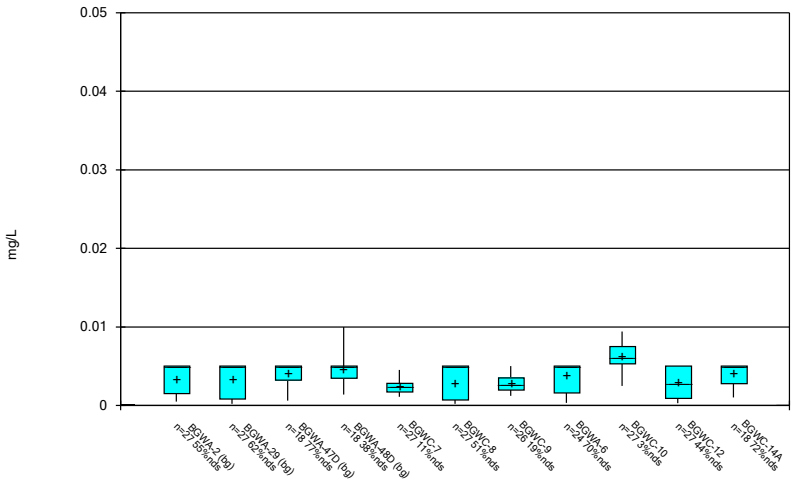


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

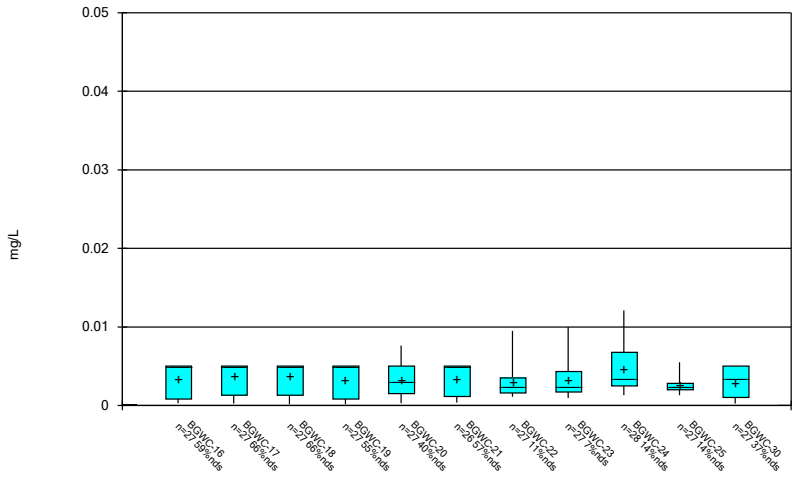


Constituent: Arsenic Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

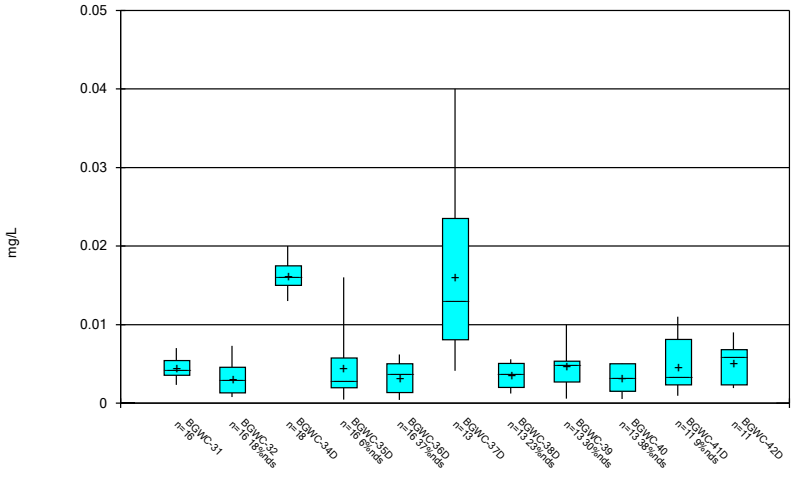


Constituent: Arsenic Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

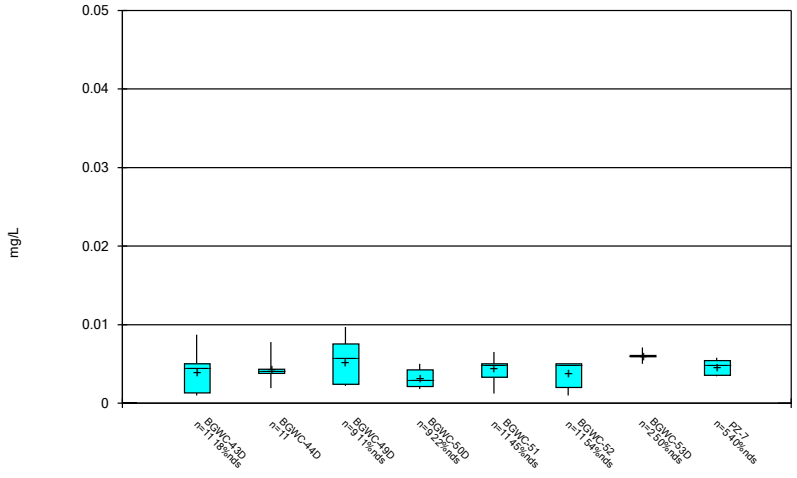


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

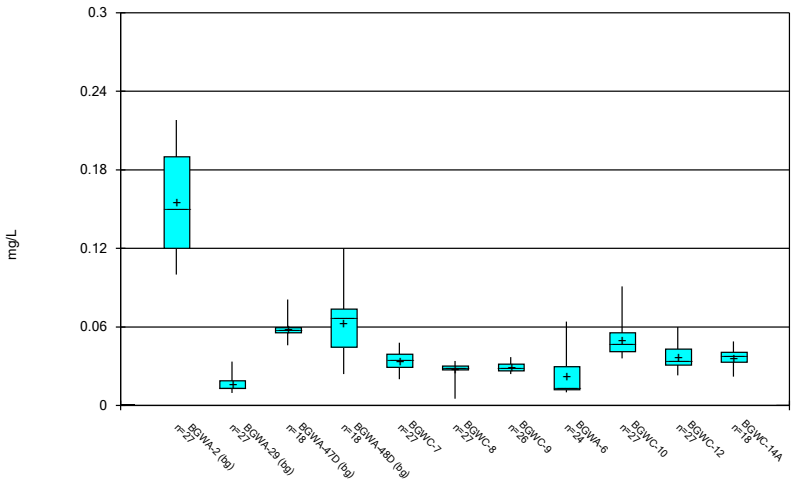


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

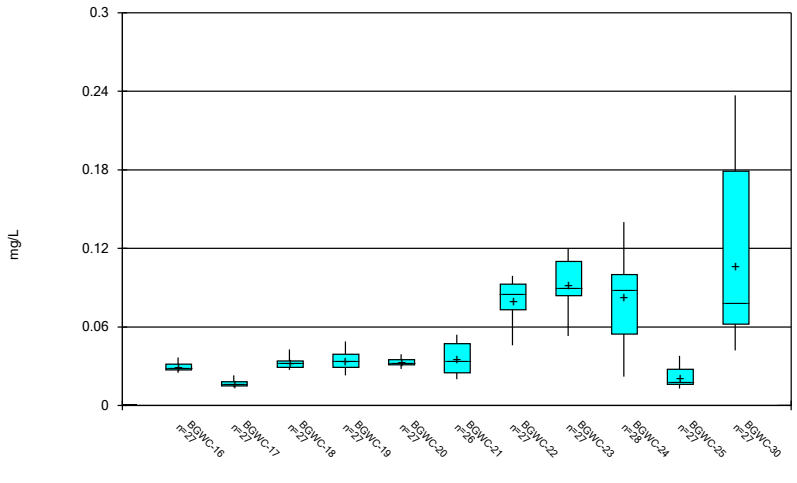


Constituent: Barium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

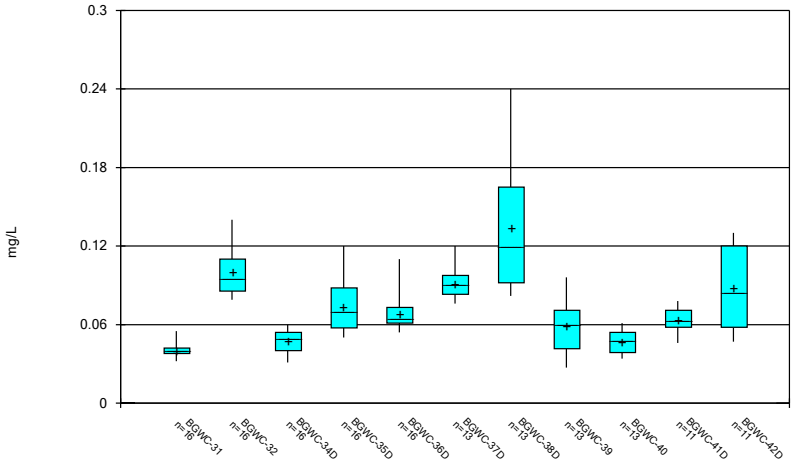


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

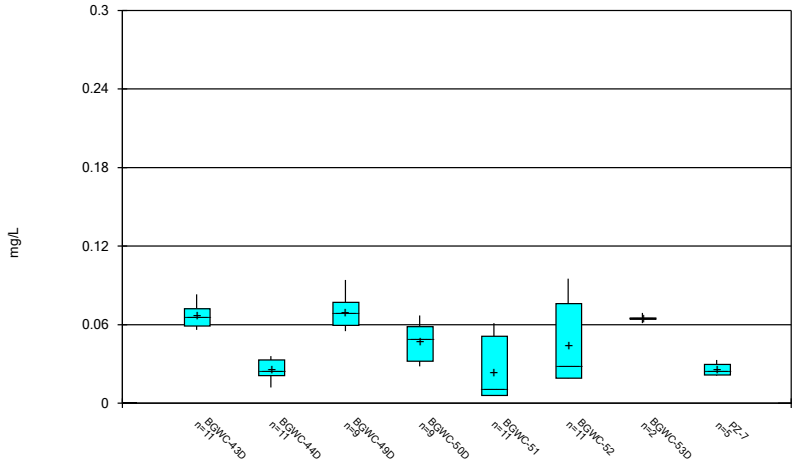


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

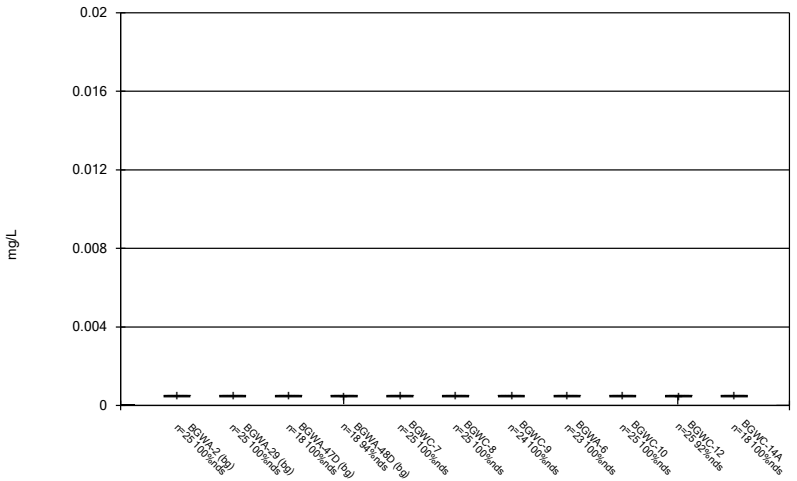


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

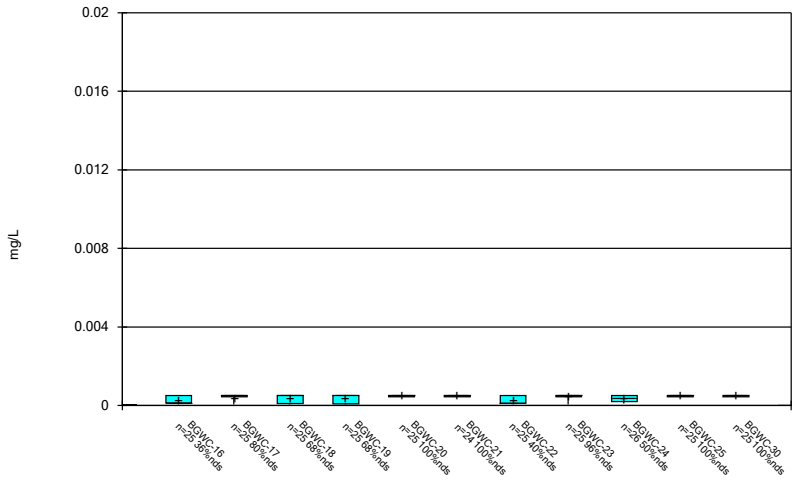


Constituent: Beryllium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

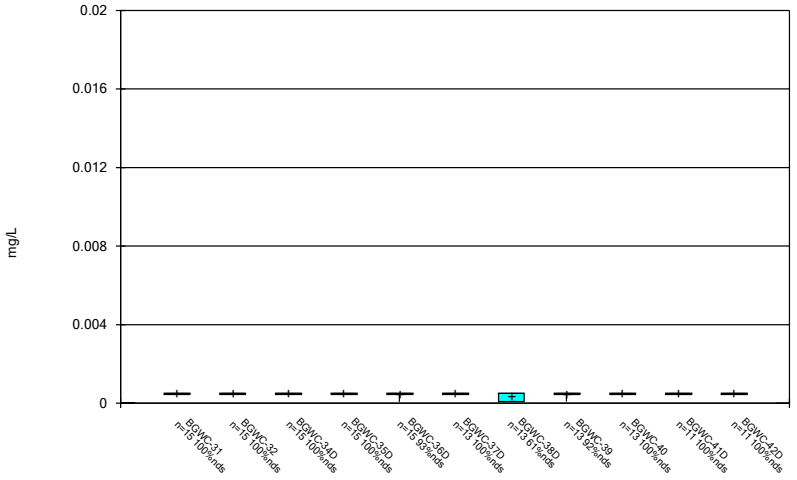


Constituent: Beryllium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

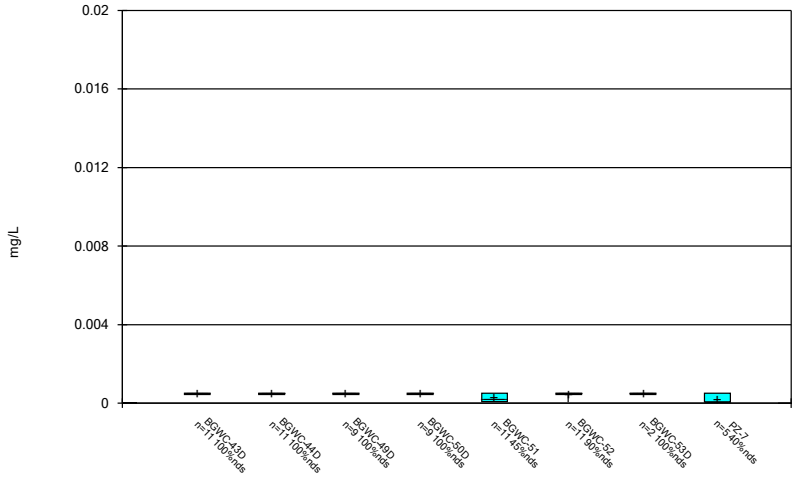


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

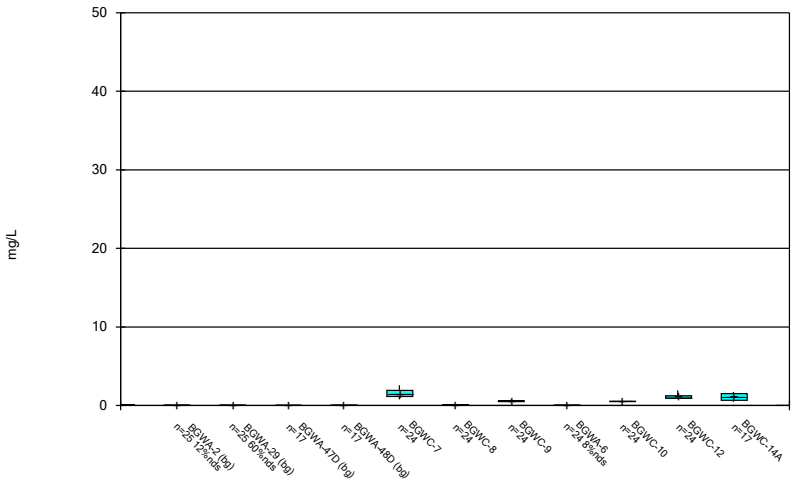


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

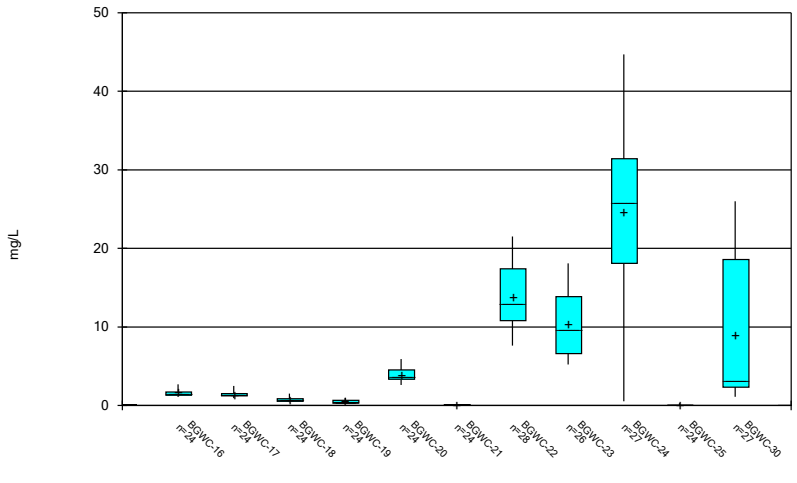


Constituent: Boron Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

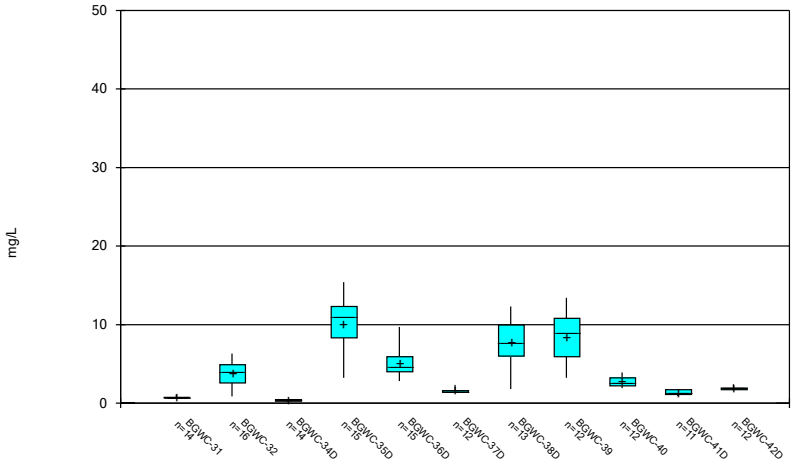


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

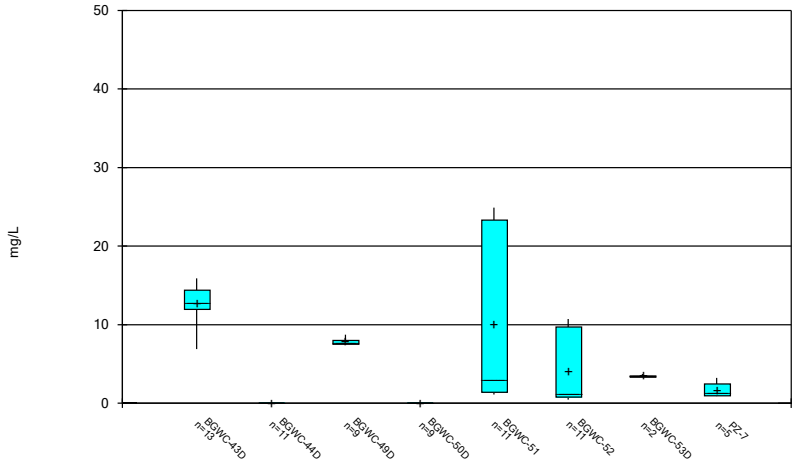


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

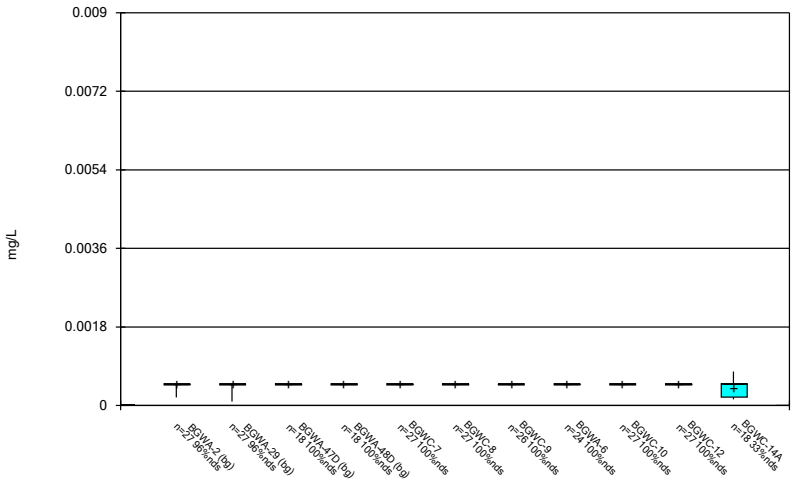


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

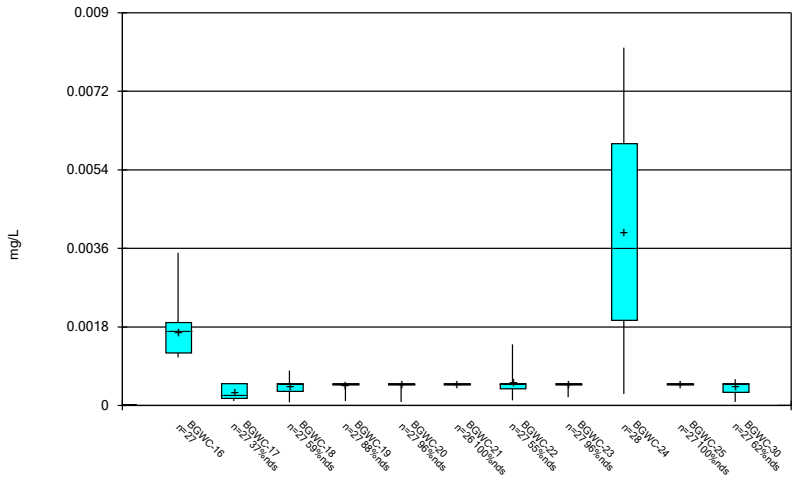


Constituent: Cadmium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

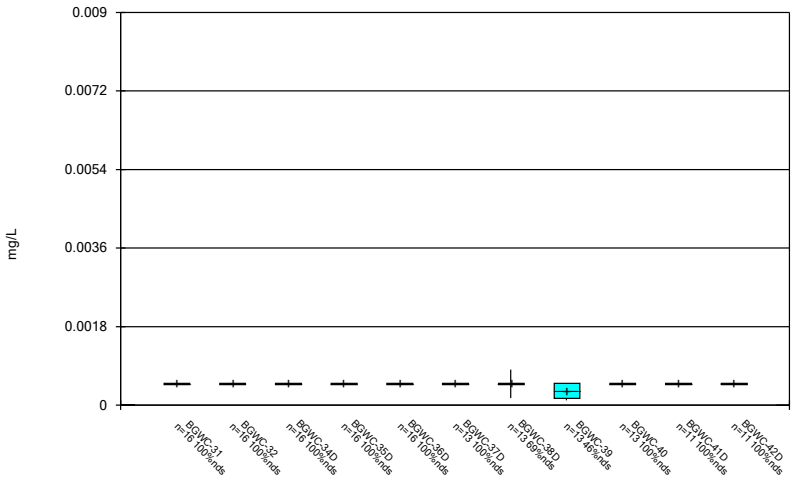


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

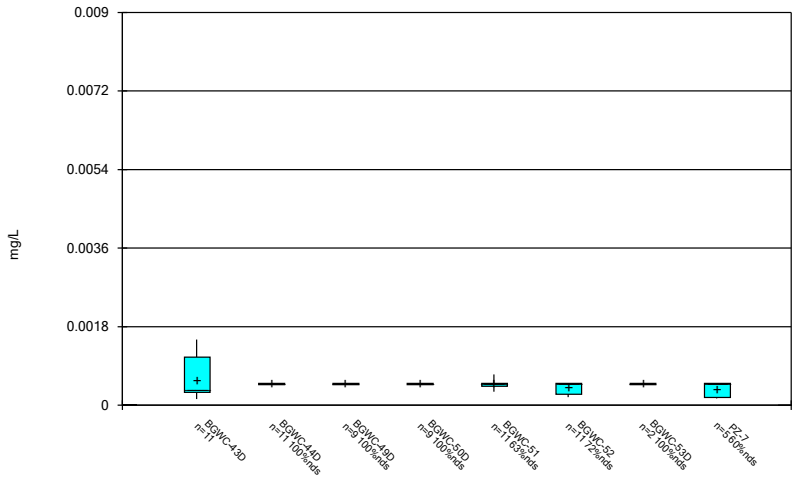


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

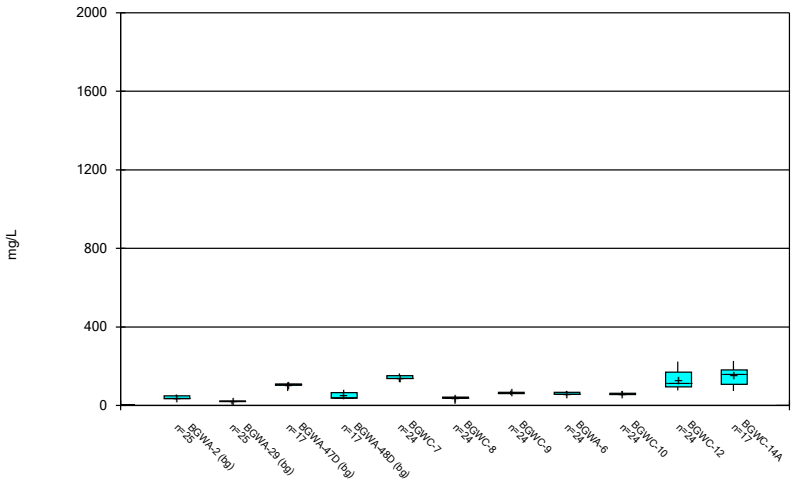


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

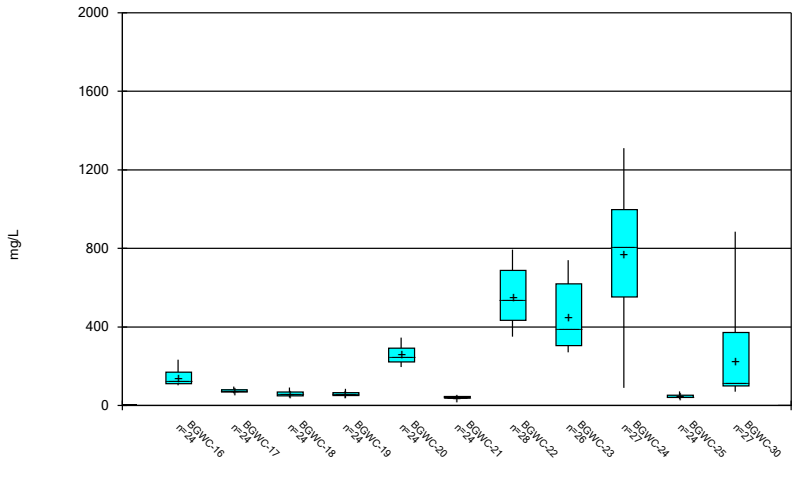


Constituent: Calcium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

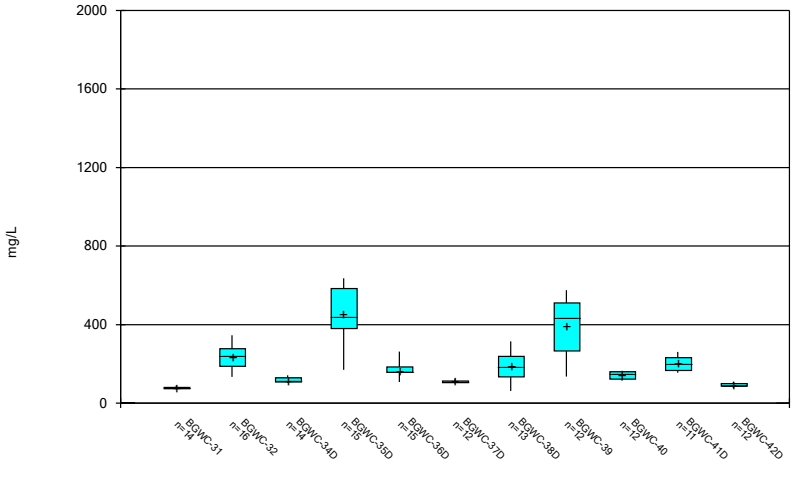


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

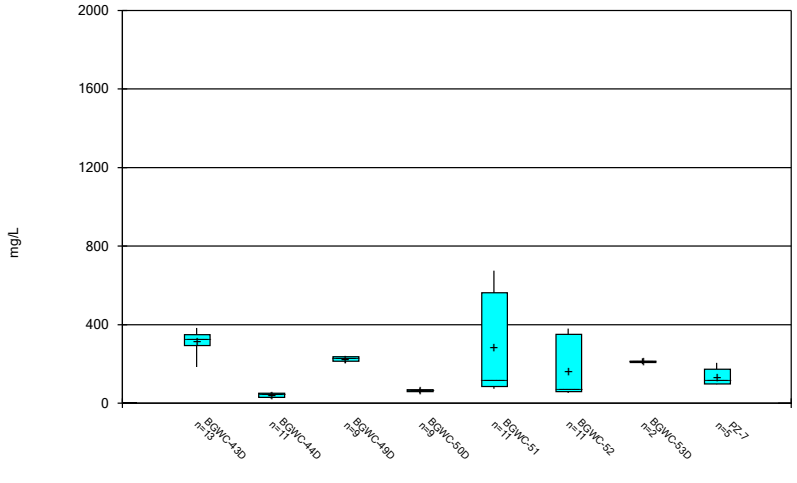


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

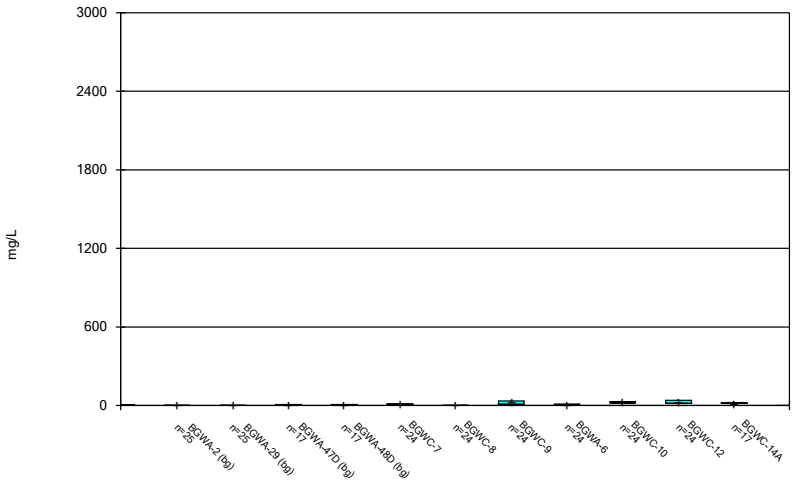


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

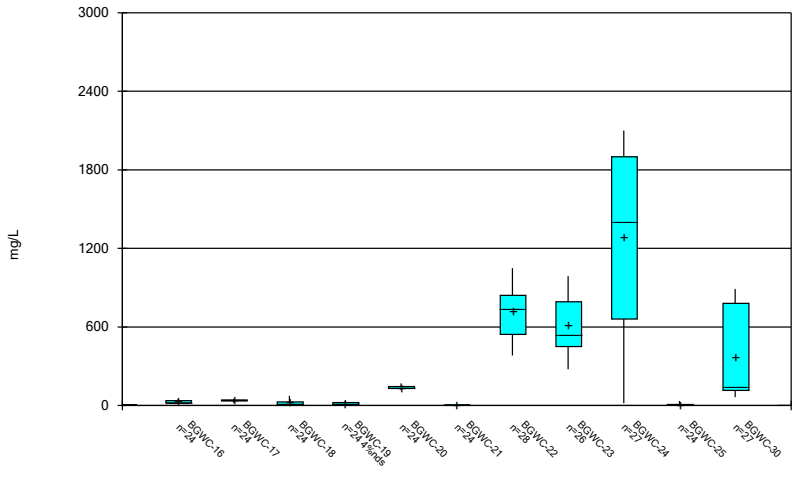


Constituent: Chloride Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

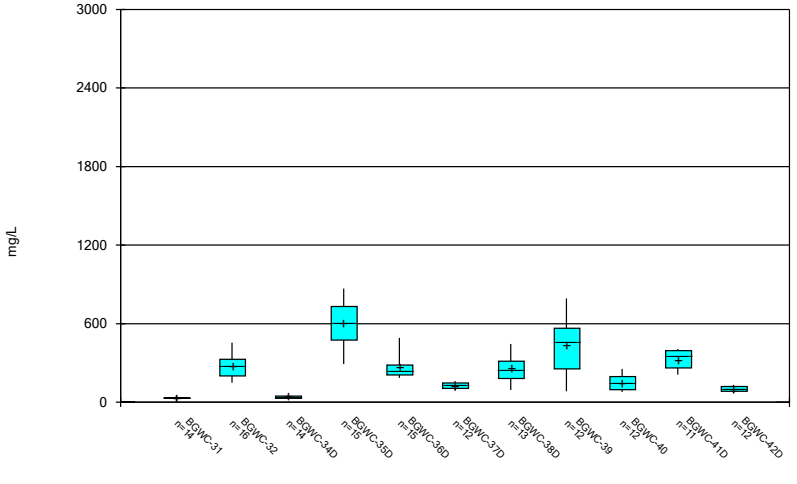


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

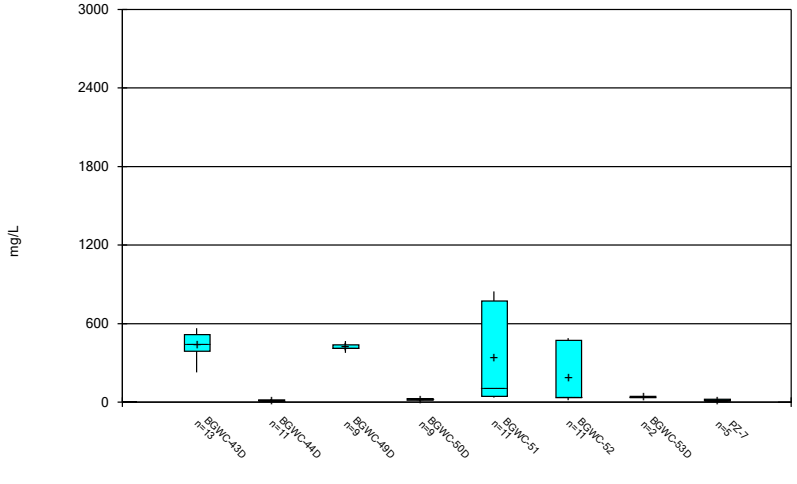


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

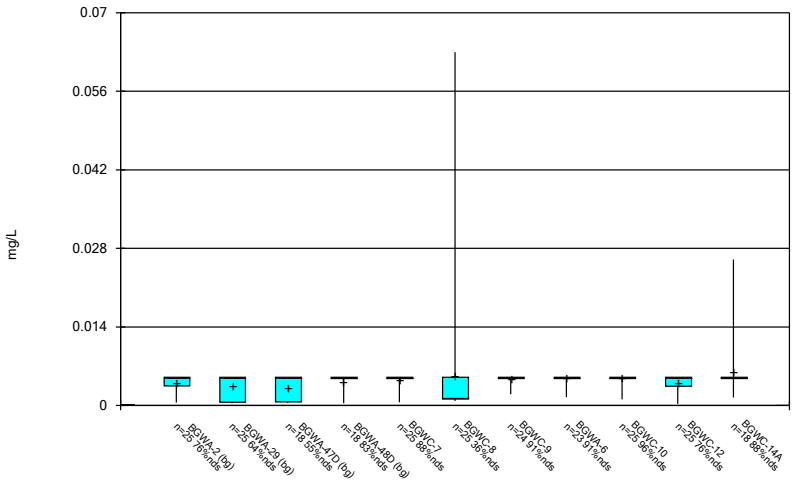


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

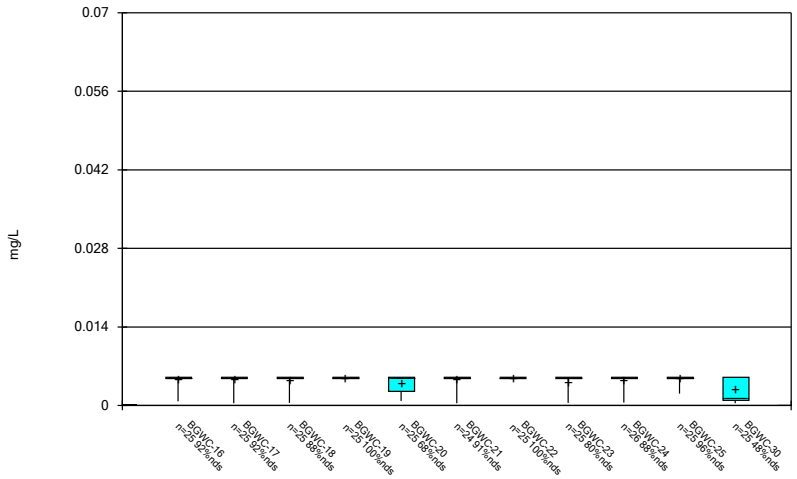


Constituent: Chromium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

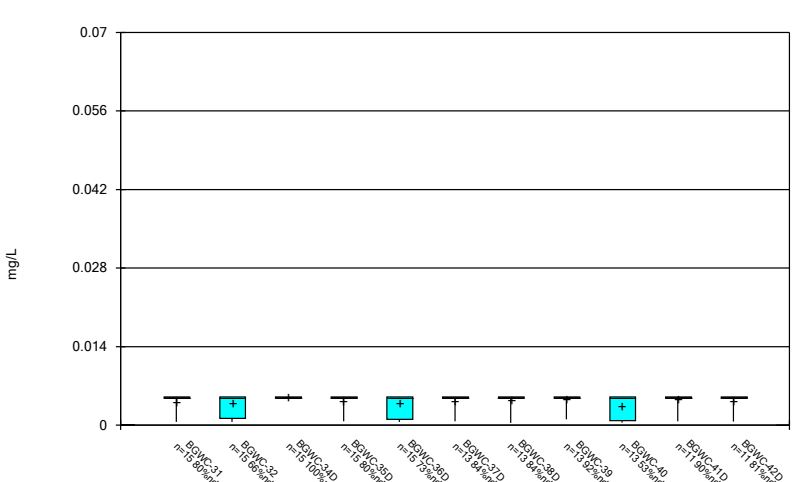


Constituent: Chromium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

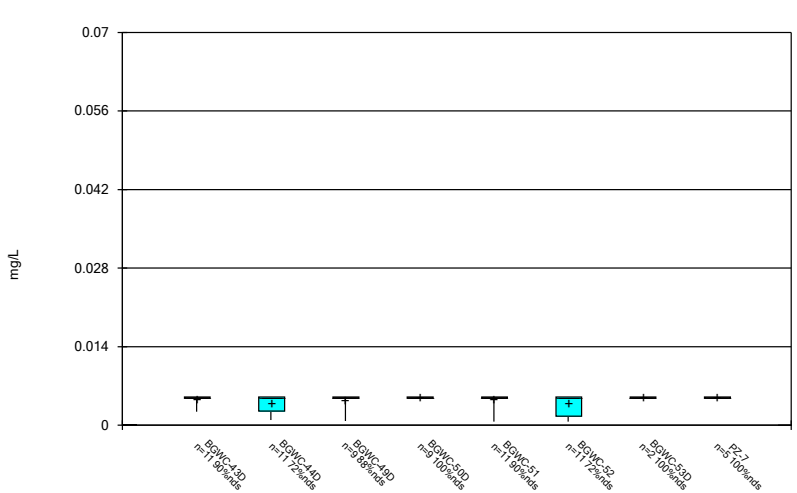


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

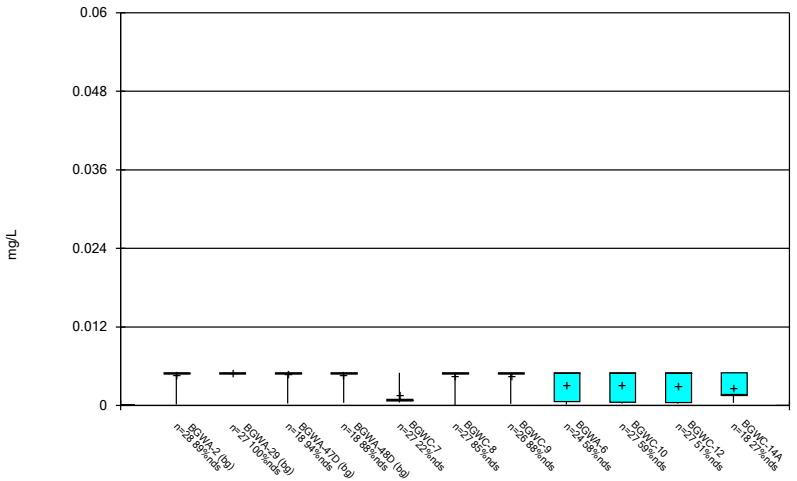


Constituent: Chromium Analysis Run 6/3/2025 11:35 AM

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Box & Whiskers Plot

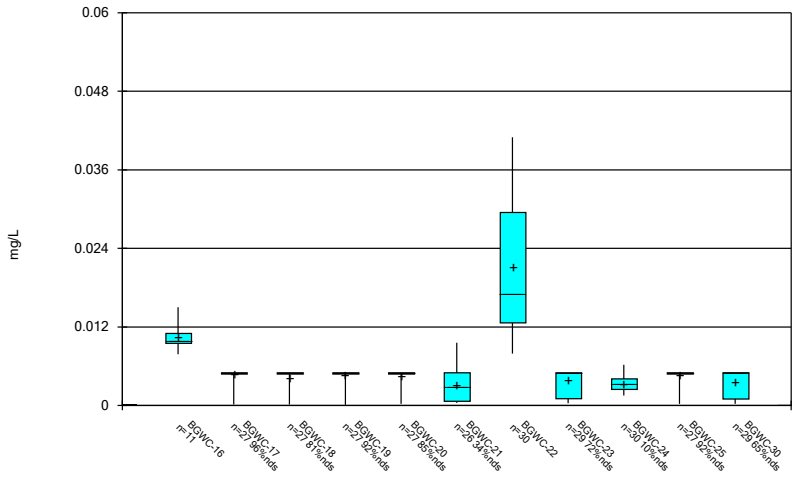


Constituent: Cobalt Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

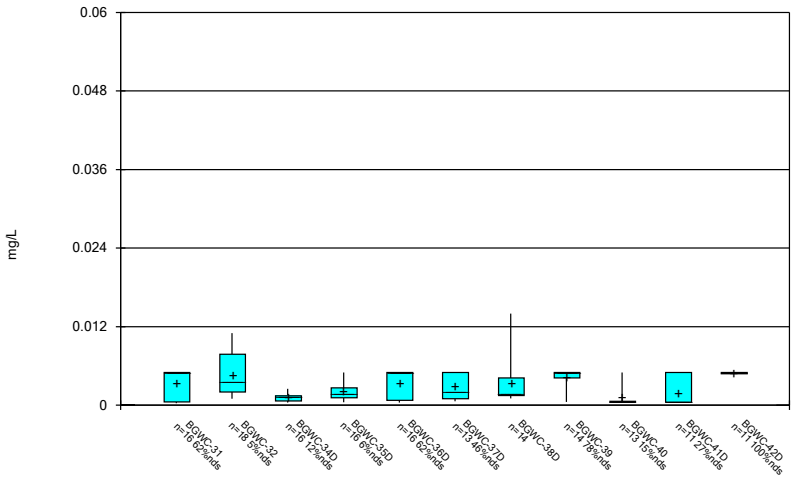


Constituent: Cobalt Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

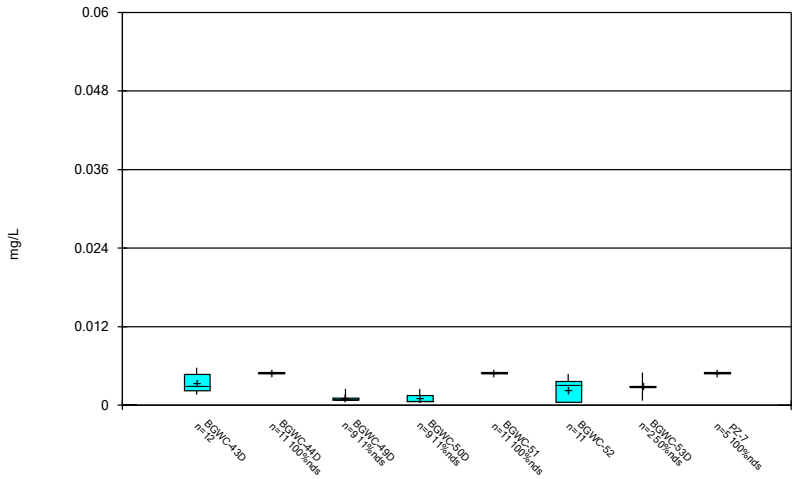


Constituent: Cobalt Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

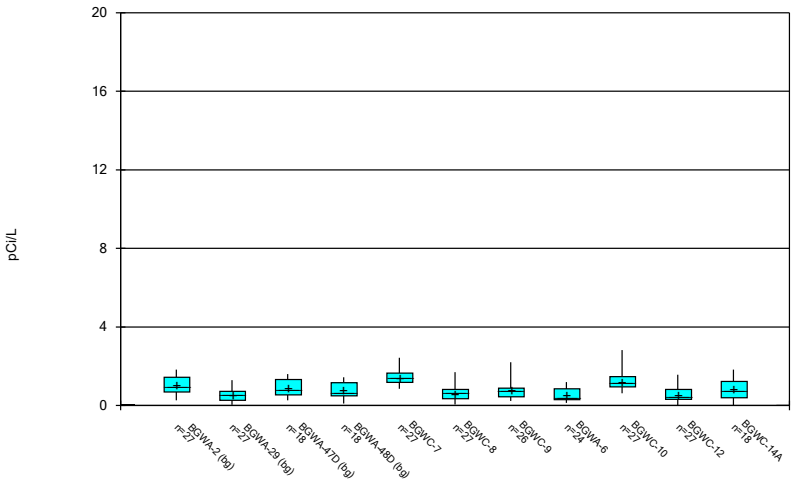


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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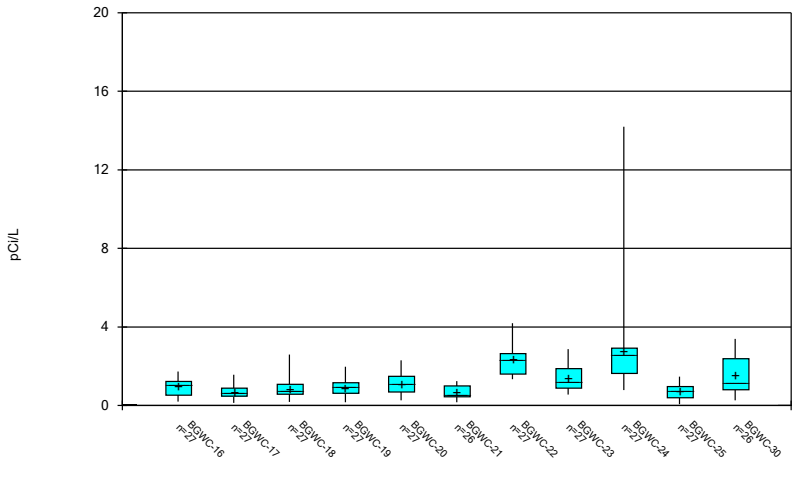
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:35 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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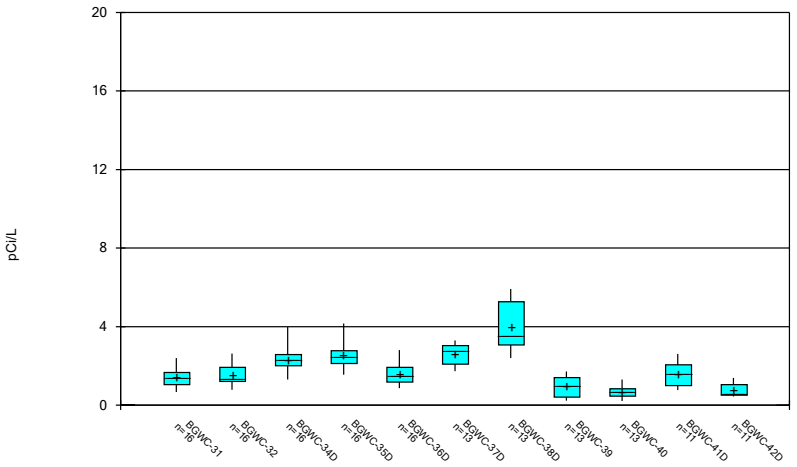
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:35 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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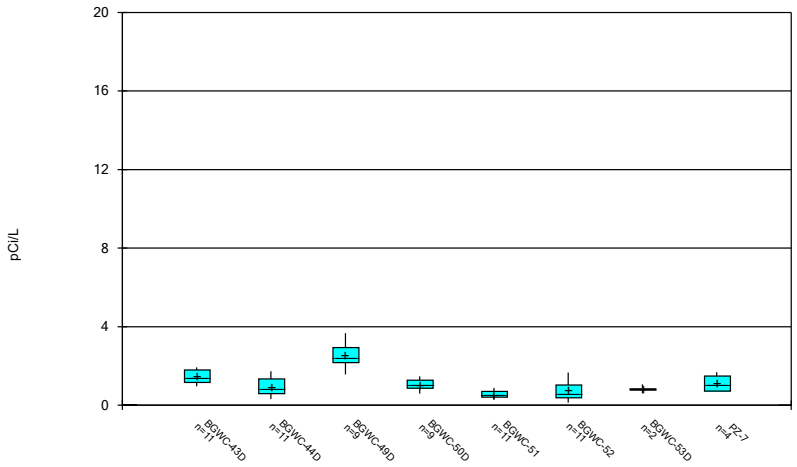
Box & Whiskers Plot



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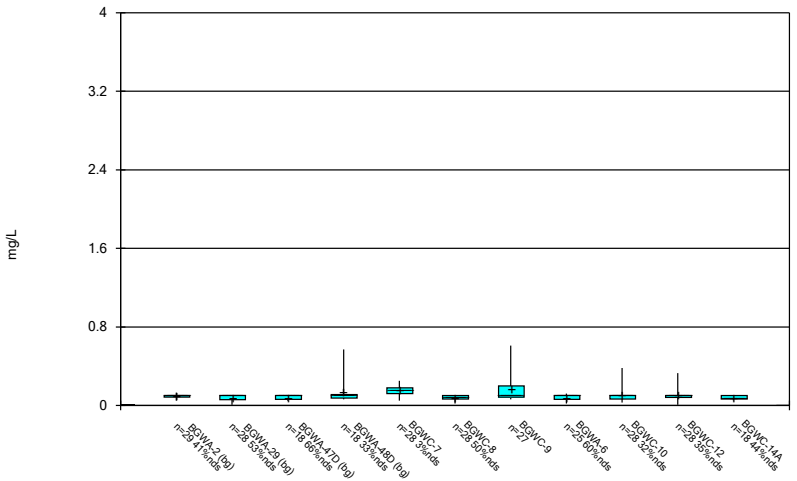
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:35 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

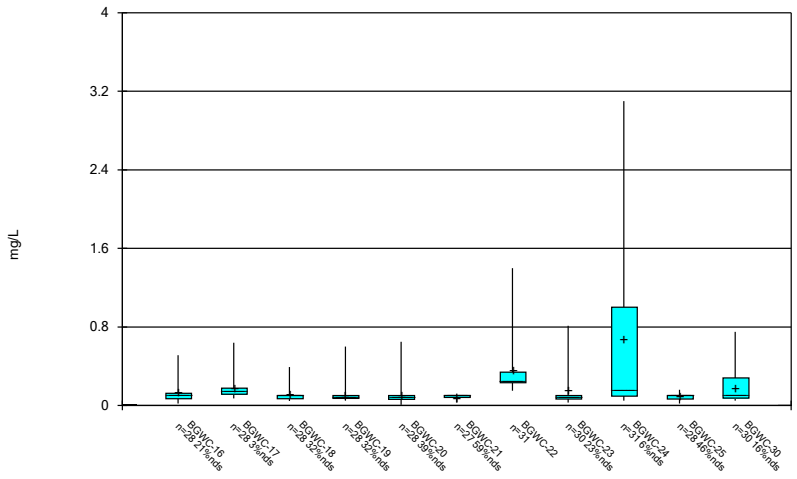


Constituent: Fluoride Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

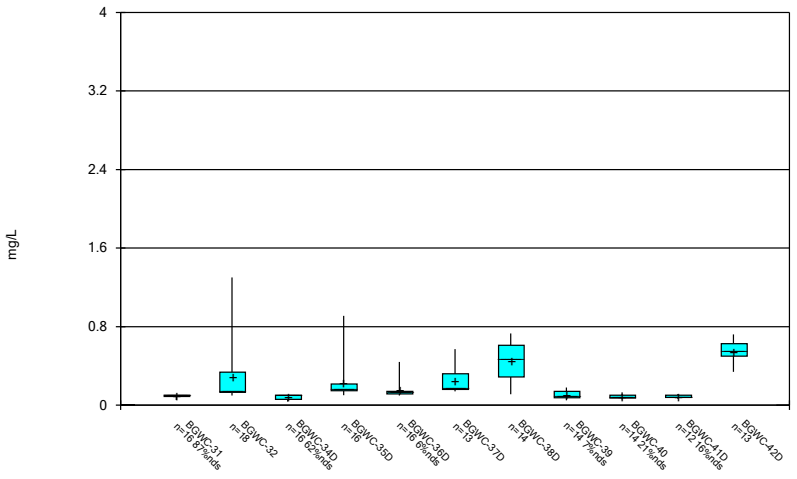


Constituent: Fluoride Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

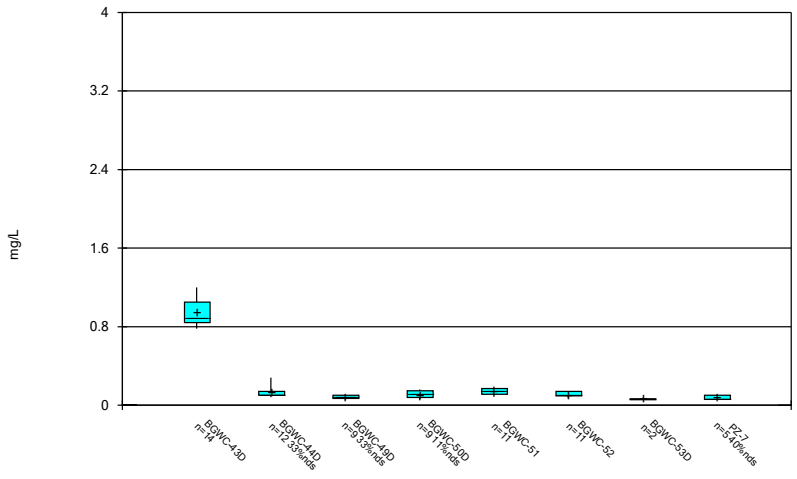


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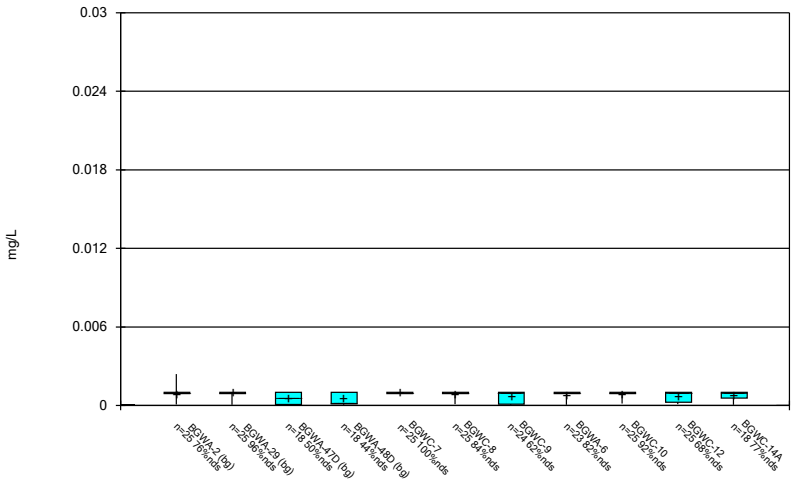


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

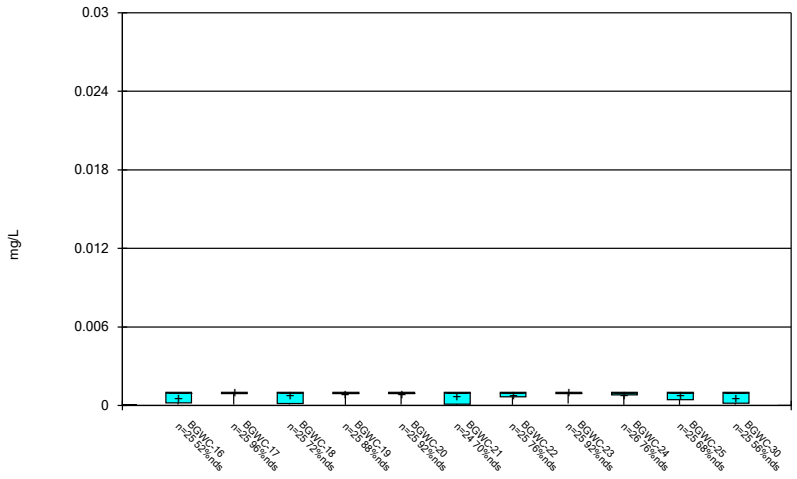


Constituent: Lead Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

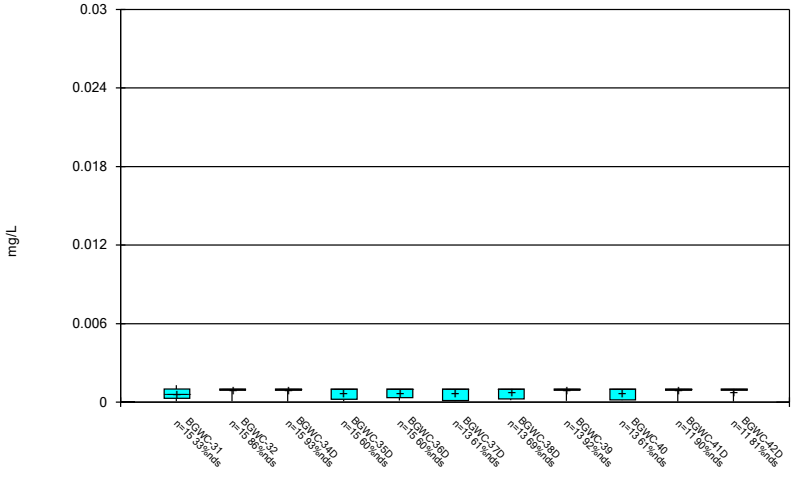


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Box & Whiskers Plot

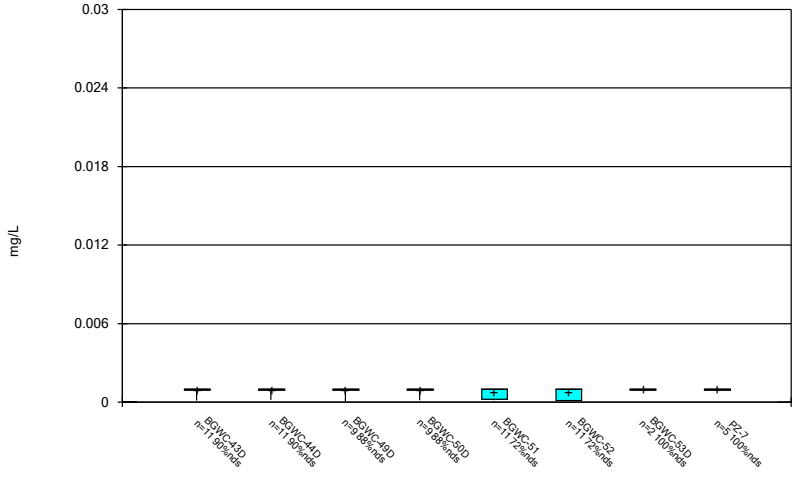


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Box & Whiskers Plot

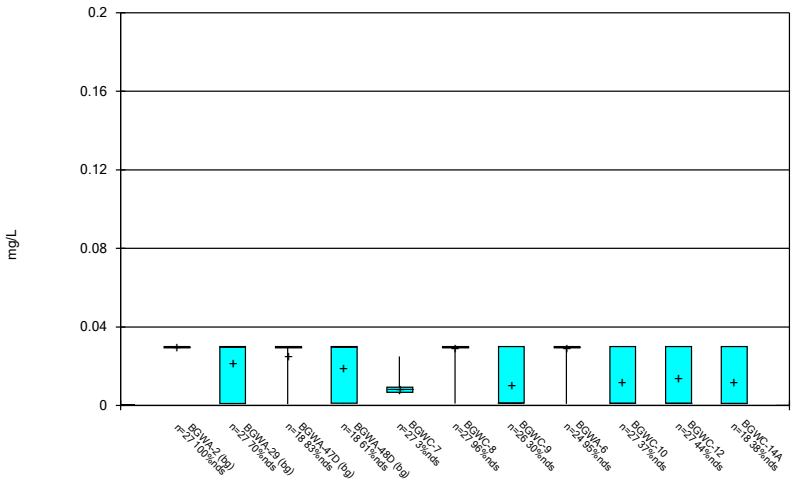


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Box & Whiskers Plot

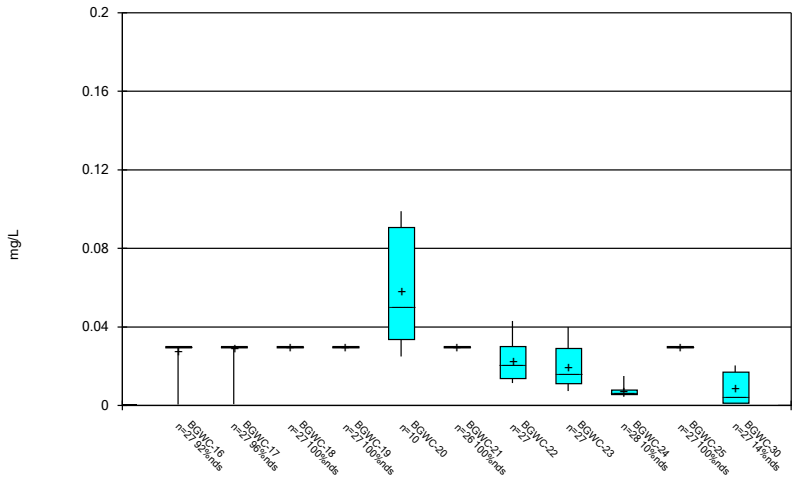


Constituent: Lithium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

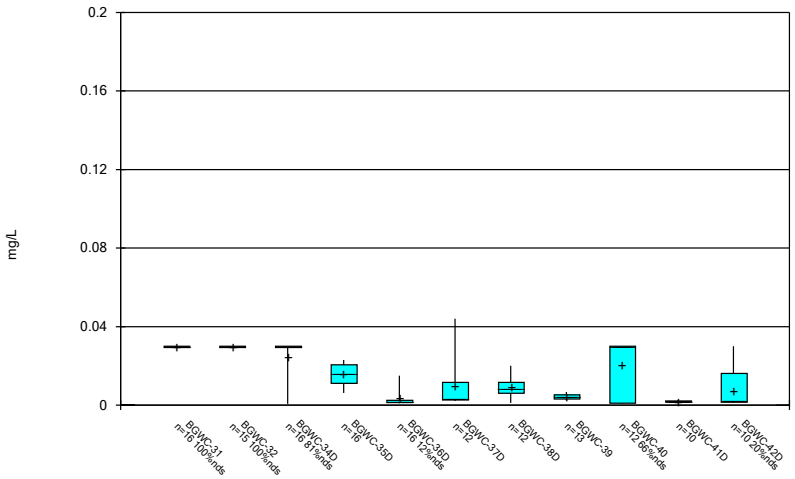


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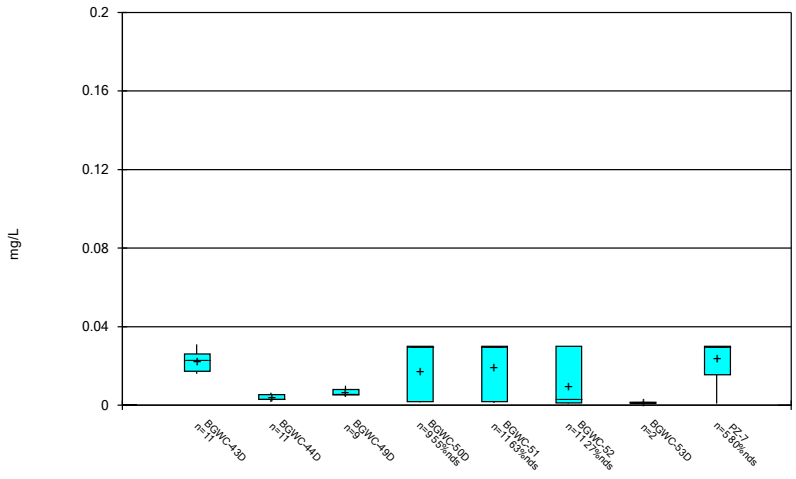


Constituent: Lithium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

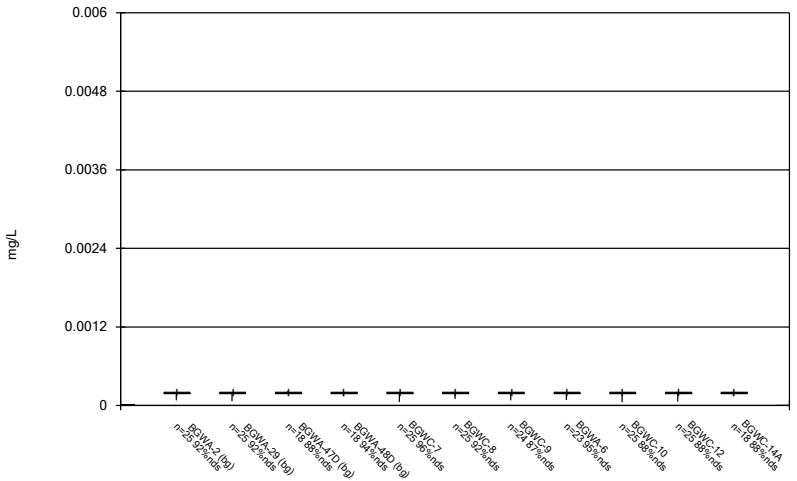


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Box & Whiskers Plot

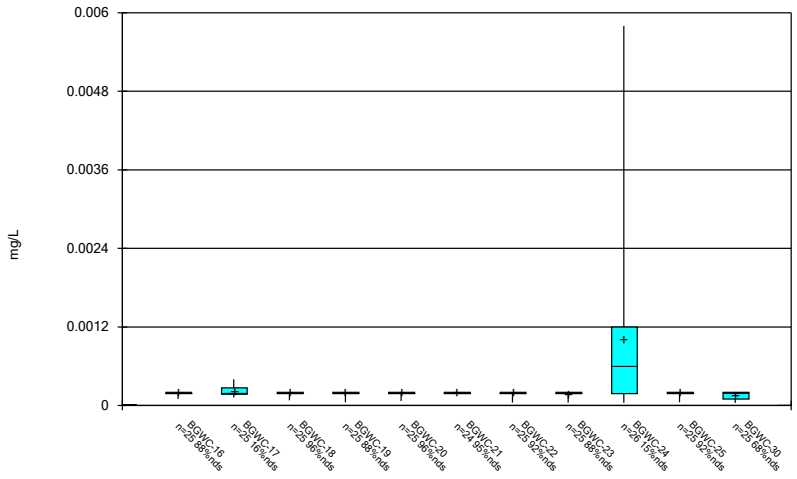


Constituent: Mercury Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

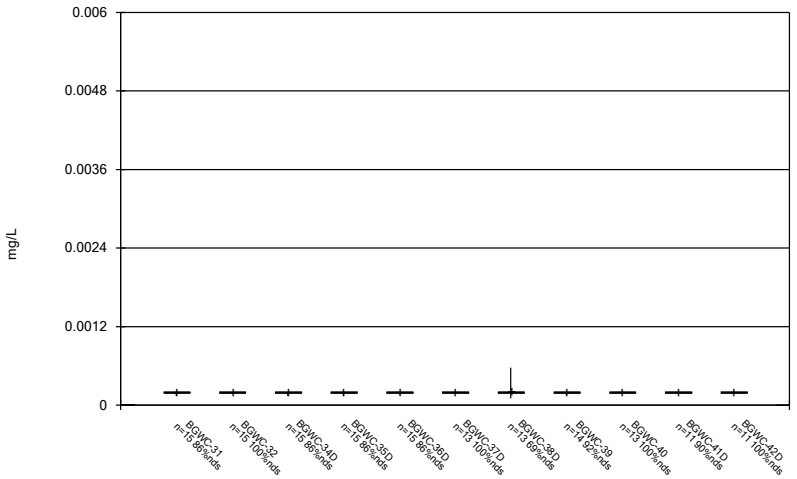


Constituent: Mercury Analysis Run 6/3/2025 11:36 AM

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Box & Whiskers Plot

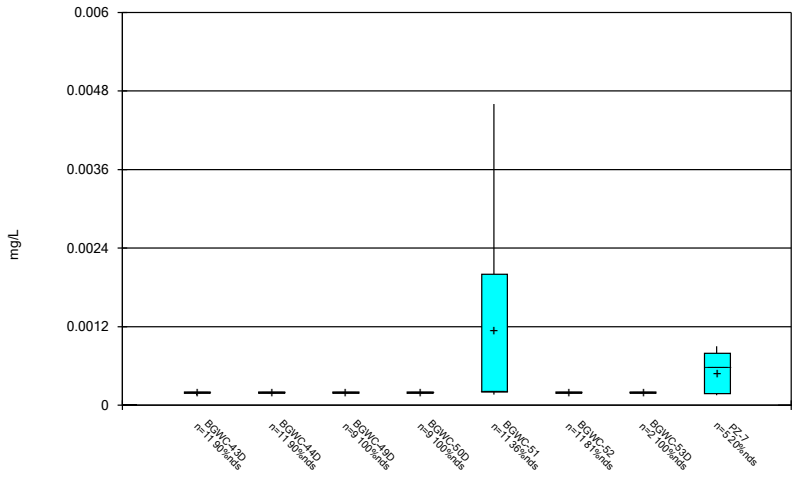


Constituent: Mercury Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

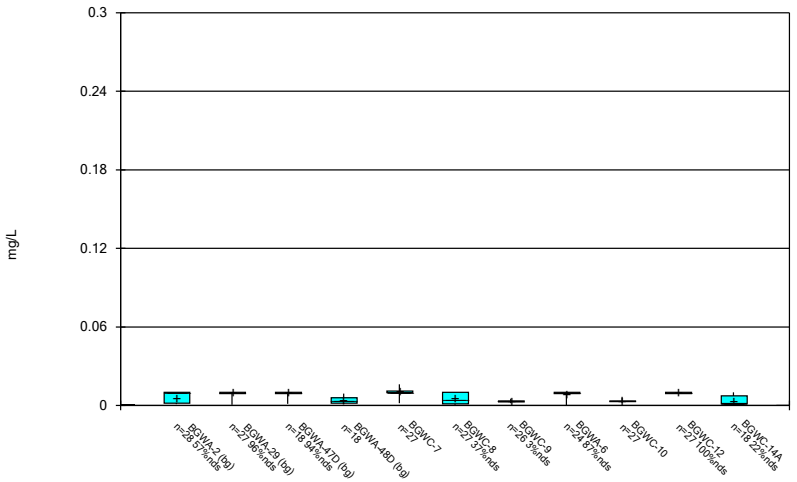


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

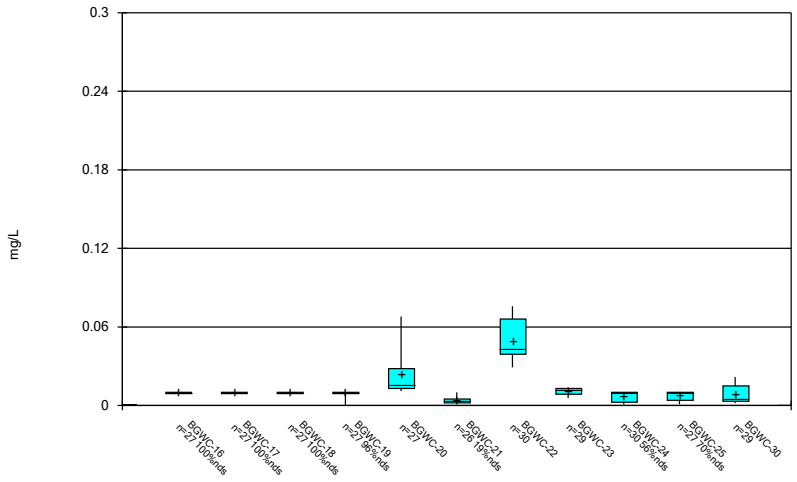


Constituent: Molybdenum Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

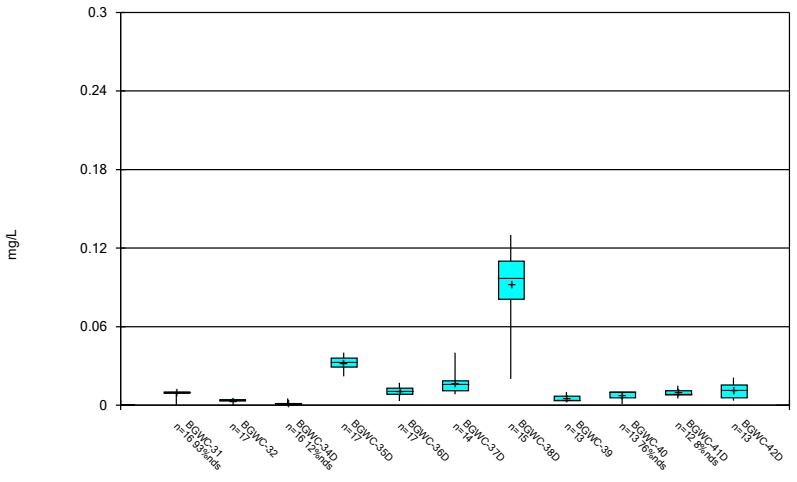


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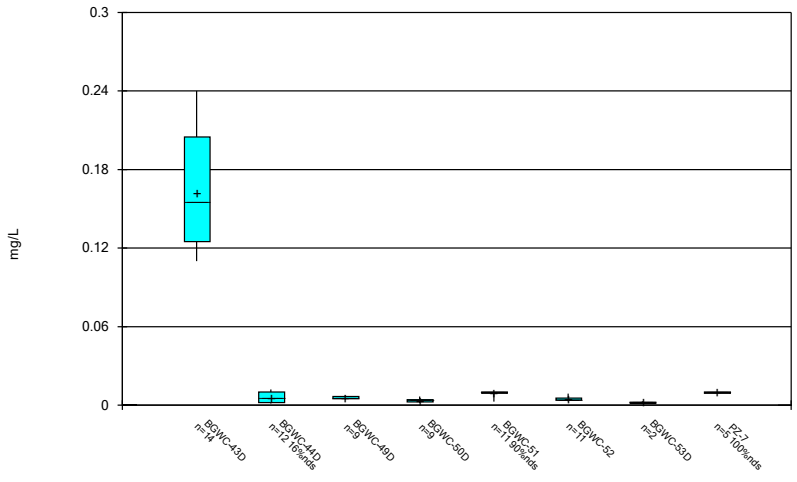


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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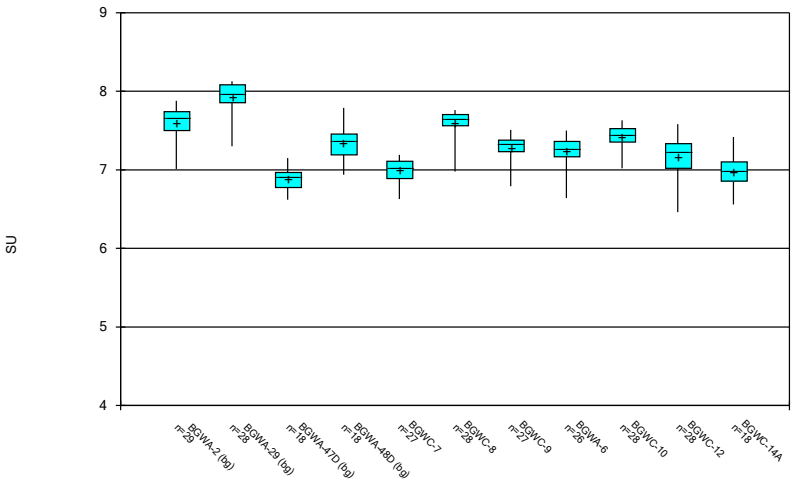


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

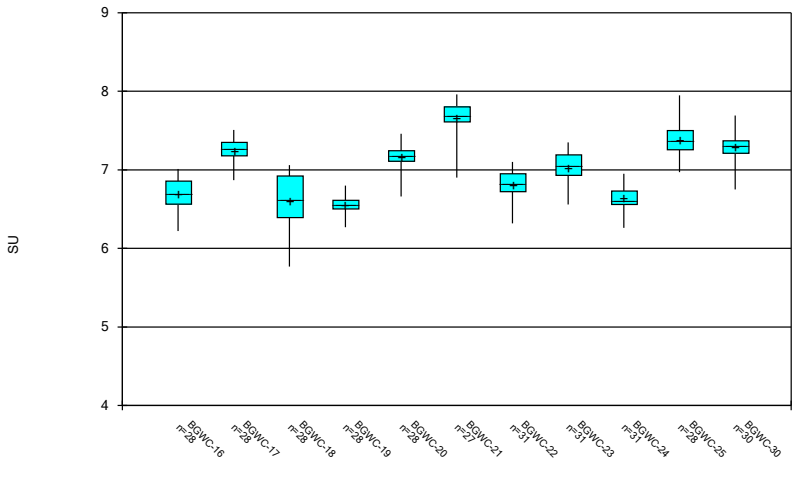


Constituent: pH, Field Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

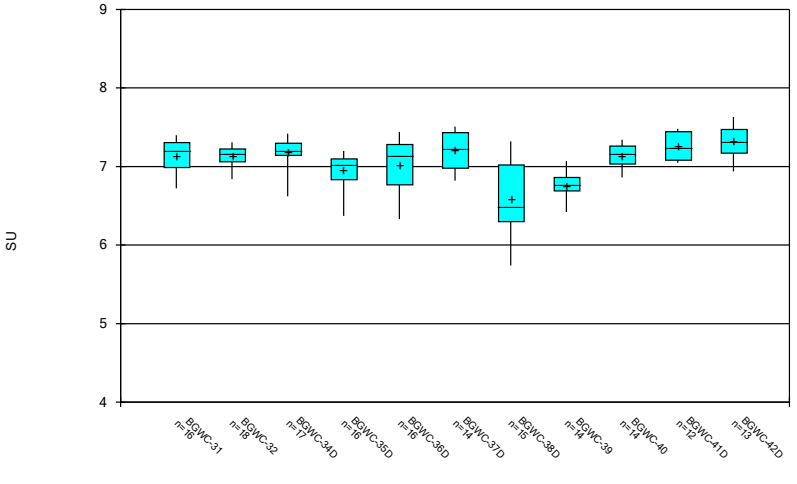


Constituent: pH, Field Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

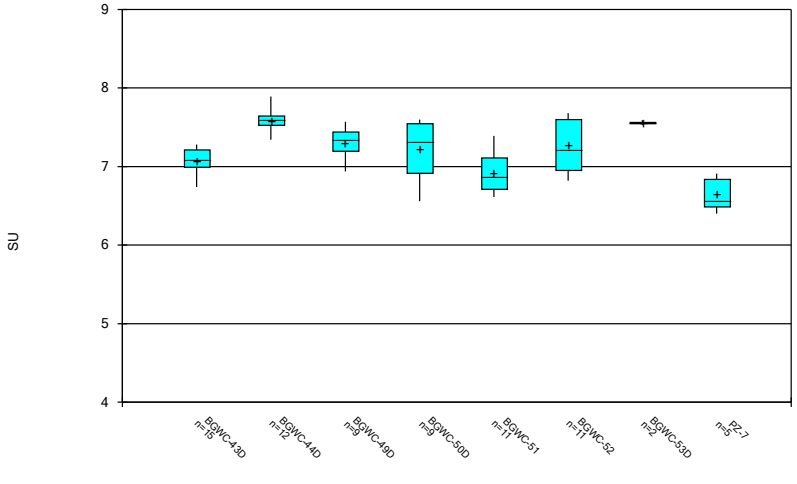


Constituent: pH, Field Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

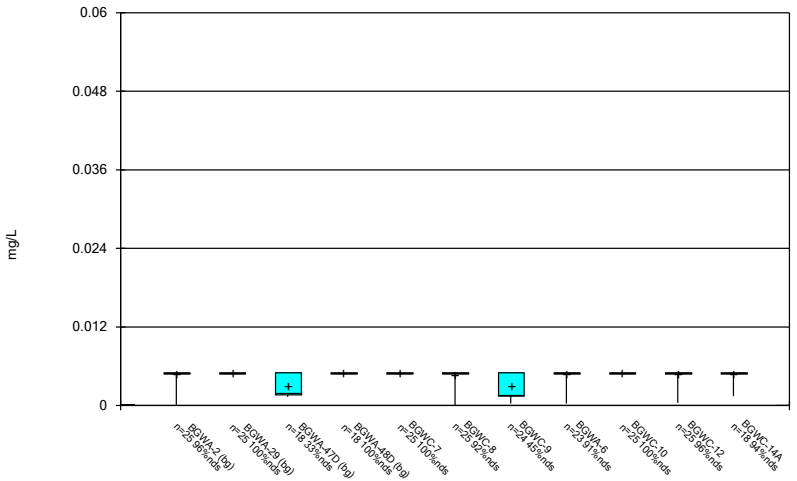


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

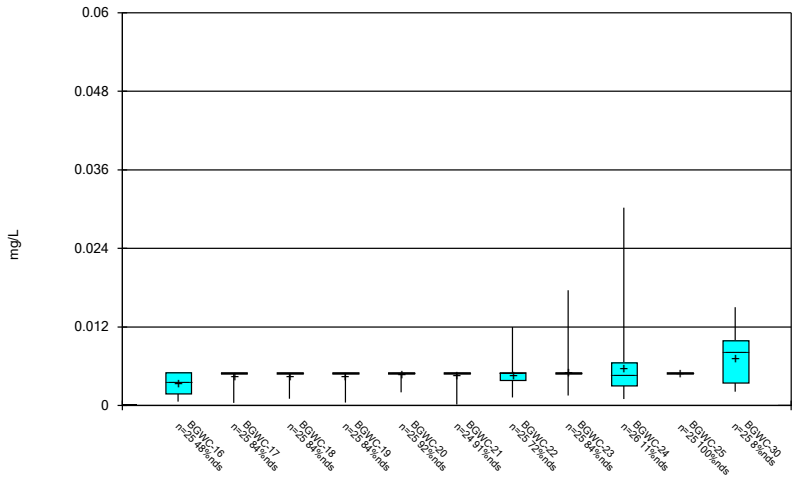


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

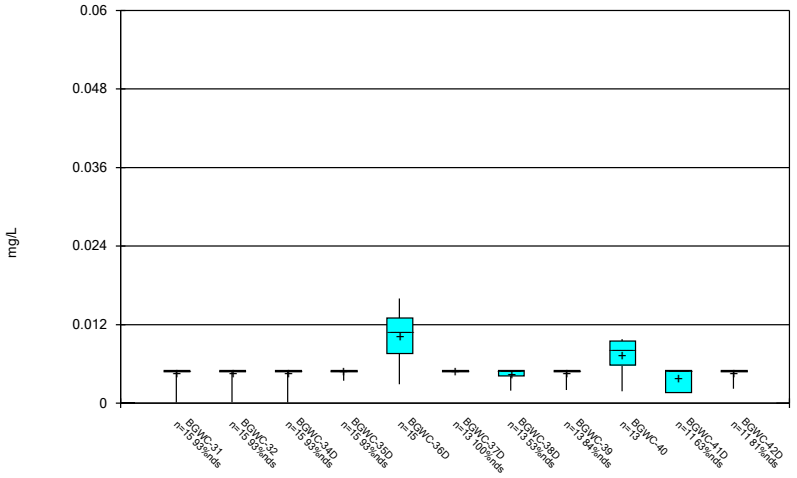


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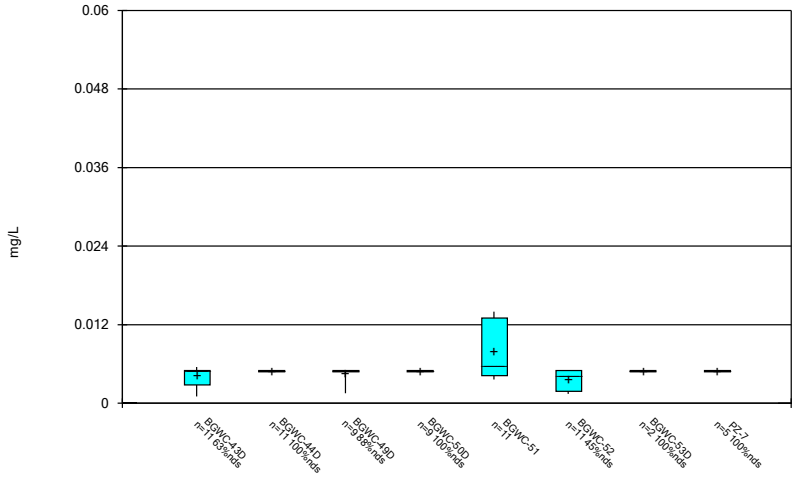


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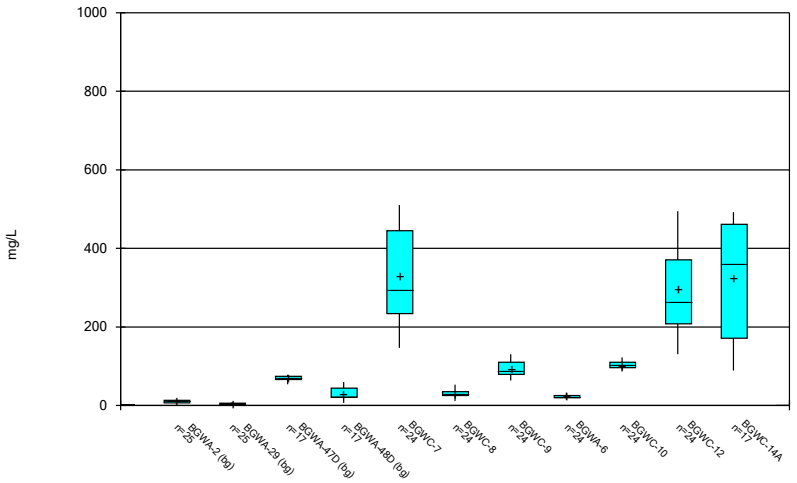


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Box & Whiskers Plot

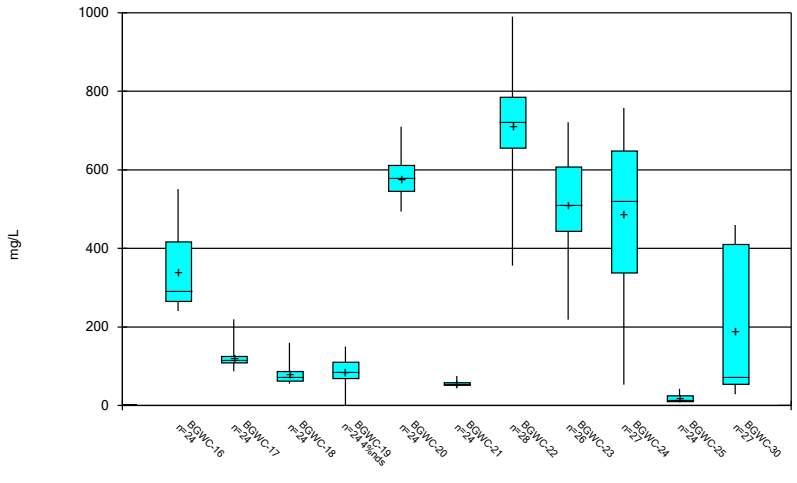


Constituent: Sulfate Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

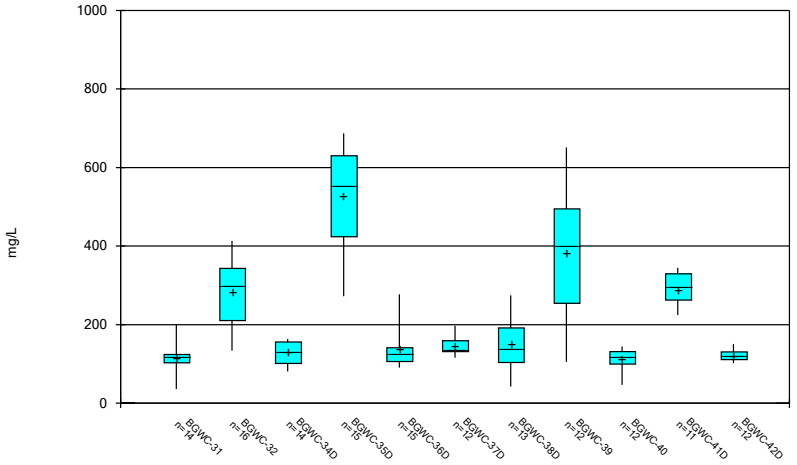


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

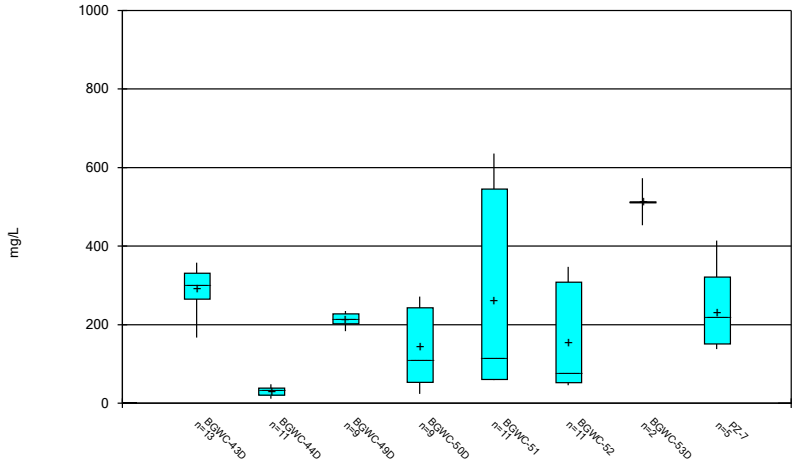


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Box & Whiskers Plot

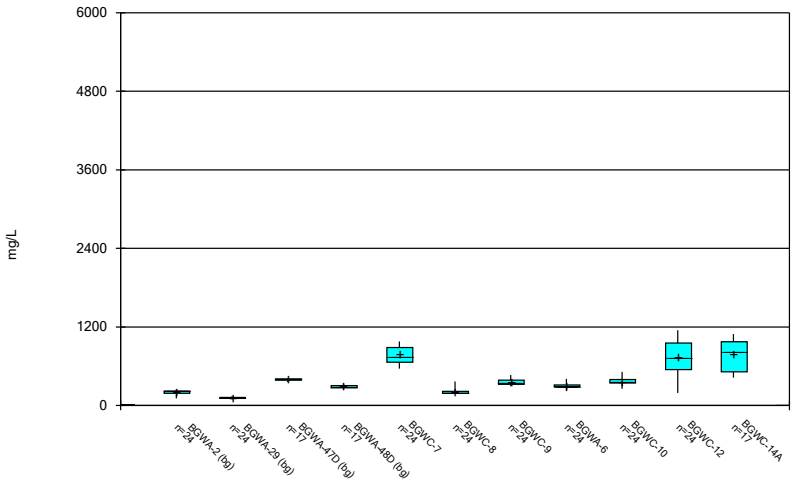


Constituent: Sulfate Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

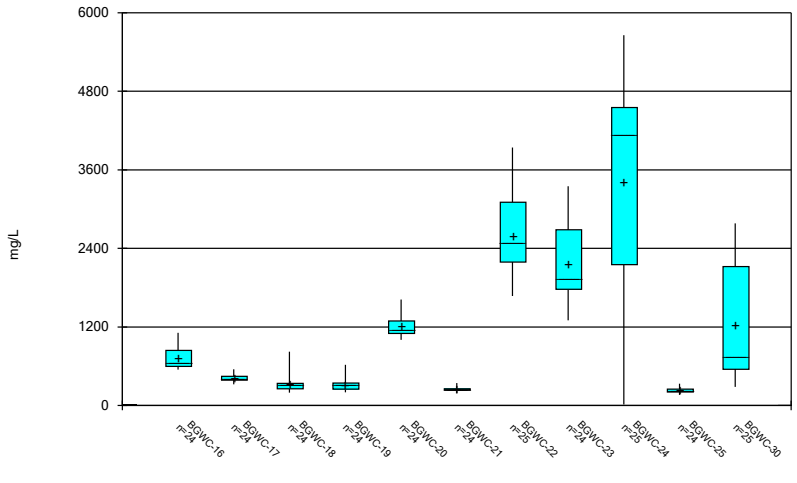


Constituent: TDS Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

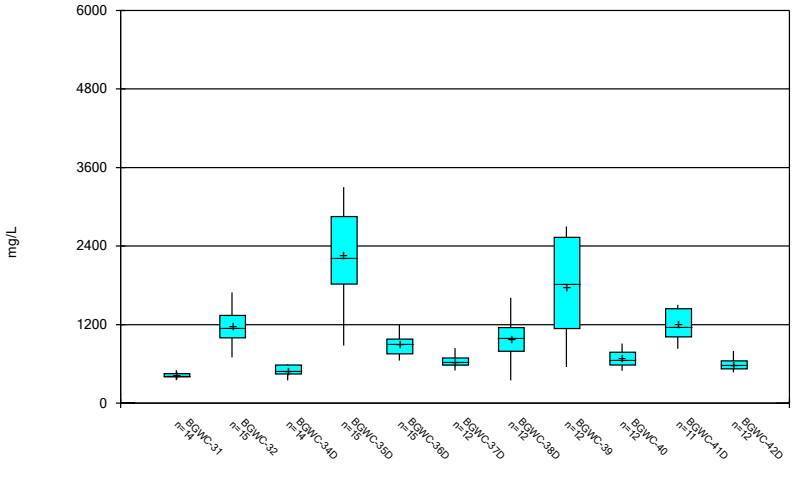


Constituent: TDS Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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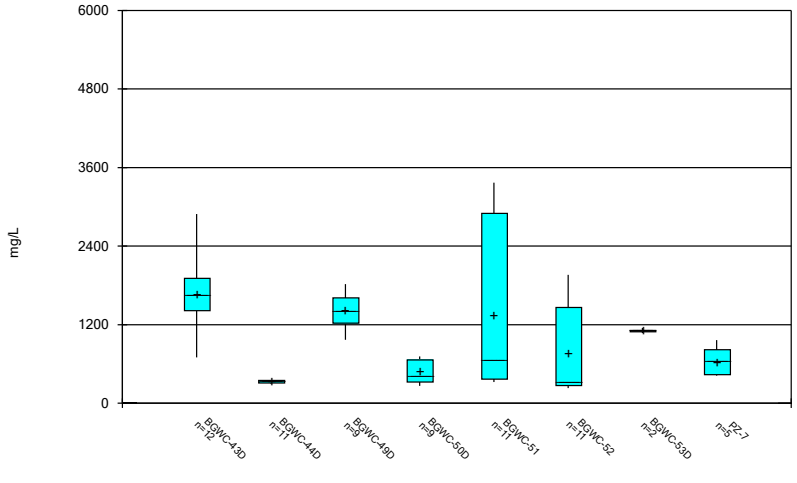


Constituent: TDS Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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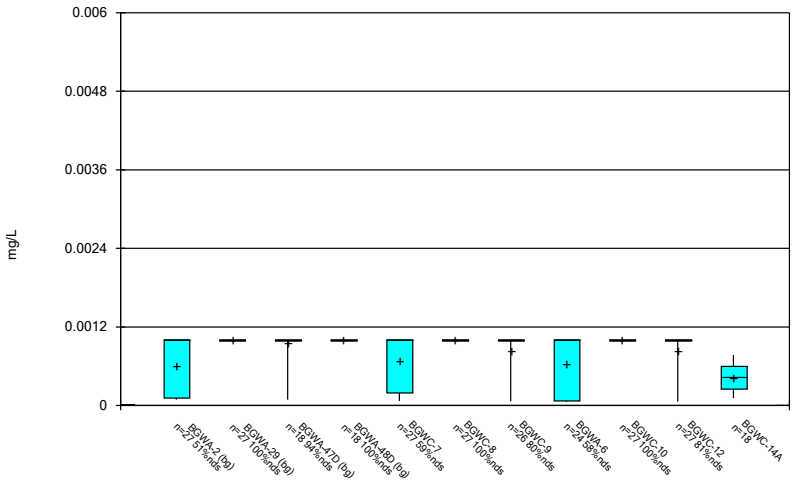


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

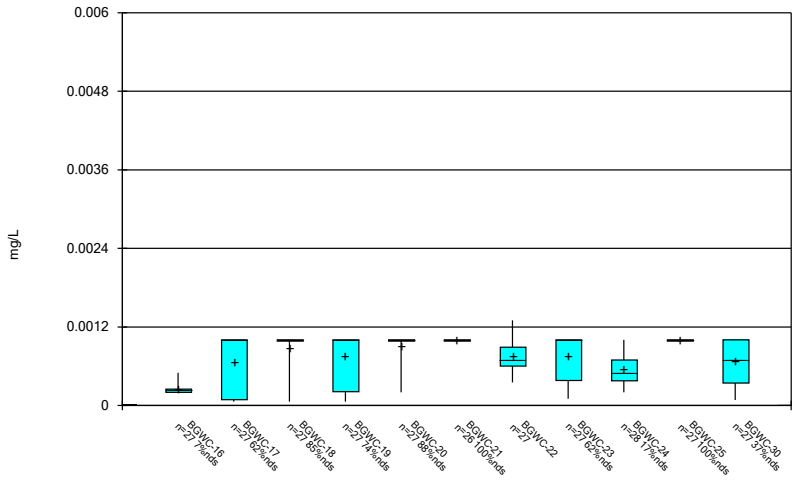


Constituent: Thallium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

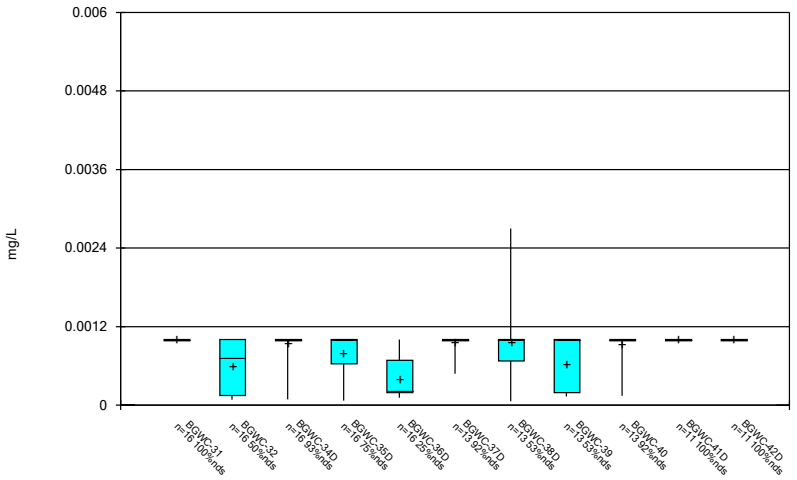


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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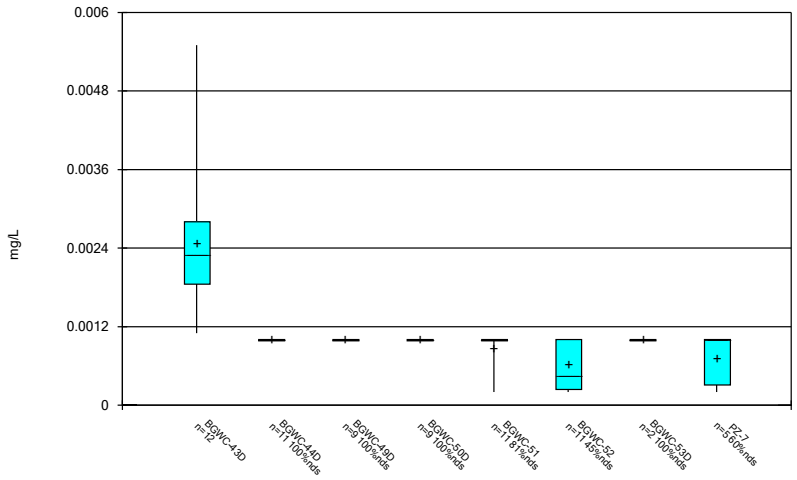


Constituent: Thallium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:38 AM

	BGWC-24 Antimony (mg/L)	BGWC-32 Lithium (mg/L)	BGWC-37D Lithium (mg/L)	BGWC-38D Lithium (mg/L)	BGWC-40 Lithium (mg/L)	BGWC-41D Lithium (mg/L)	BGWC-42D Lithium (mg/L)	BGWA-29 TDS (mg/L)
2/14/2017								345 (O)
2/16/2022		<0.15 (O)			<0.15 (O)			
2/17/2022			<0.15 (O)				<0.15 (O)	
8/2/2022	0.015 (O)							
8/21/2023				<0.15 (o)				
8/23/2023						<0.15 (o)		

FIGURE D.

Appendix III - Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:47 AM

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-7	0.04	n/a	2/6/2025	0.83	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.04	n/a	2/5/2025	0.52	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-10	0.04	n/a	2/6/2025	0.51	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.04	n/a	2/5/2025	1.9	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.04	n/a	2/5/2025	1.7	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.04	n/a	2/6/2025	2.7	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.04	n/a	2/7/2025	1.2	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.04	n/a	2/7/2025	0.5	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.04	n/a	2/7/2025	0.4	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.04	n/a	2/6/2025	5.4	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.04	n/a	2/13/2025	13.2	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.04	n/a	2/11/2025	6.7	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.04	n/a	2/11/2025	12.5	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.04	n/a	2/10/2025	0.16	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.04	n/a	2/10/2025	1.1	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.04	n/a	2/6/2025	1.1	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.04	n/a	2/7/2025	0.72	Yes	84	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	2/6/2025	125	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	2/5/2025	224	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	2/5/2025	215	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	2/6/2025	221	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	2/6/2025	327	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	2/13/2025	427	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	2/11/2025	280	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	2/11/2025	377	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-9	9.256	n/a	2/5/2025	9.6	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-10	9.256	n/a	2/6/2025	28.6	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.256	n/a	2/5/2025	13.2	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.256	n/a	2/5/2025	20.6	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.256	n/a	2/6/2025	13.1	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.256	n/a	2/7/2025	35.9	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.256	n/a	2/6/2025	118	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.256	n/a	2/13/2025	381	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.256	n/a	2/11/2025	277	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.256	n/a	2/11/2025	352	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	9.256	n/a	2/10/2025	24.2	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.256	n/a	2/10/2025	63.2	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-51	9.256	n/a	2/6/2025	34.5	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-52	9.256	n/a	2/7/2025	31.3	Yes	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
pH, Field (SU)	BGWC-16	8.394	6.63	2/6/2025	6.25	Yes	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-18	8.394	6.63	2/7/2025	6.59	Yes	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-24	8.394	6.63	2/11/2025	6.6	Yes	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	2/6/2025	147	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	2/5/2025	80	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	2/6/2025	89.8	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	2/5/2025	456	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	2/5/2025	440	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	2/6/2025	455	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	2/7/2025	119	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	2/7/2025	91	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	2/6/2025	573	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	2/13/2025	356	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	2/11/2025	218	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	2/11/2025	229	Yes	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-7	415	n/a	2/6/2025	562	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-12	415	n/a	2/5/2025	1130	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-14A	415	n/a	2/5/2025	984	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-16	415	n/a	2/6/2025	1050	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-17	415	n/a	2/7/2025	442	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-20	415	n/a	2/6/2025	1430	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-22	415	n/a	2/13/2025	1670	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-23	415	n/a	2/11/2025	1300	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-24	415	n/a	2/11/2025	1500	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BGWC-7**	**0.04**	**n/a**	**2/6/2025**	**0.83**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-8	0.04	n/a	2/5/2025	0.029J	No	84	n/a	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-9**	**0.04**	**n/a**	**2/5/2025**	**0.52**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-10**	**0.04**	**n/a**	**2/6/2025**	**0.51**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-12**	**0.04**	**n/a**	**2/5/2025**	**1.9**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-14A**	**0.04**	**n/a**	**2/5/2025**	**1.7**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-16**	**0.04**	**n/a**	**2/6/2025**	**2.7**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-17**	**0.04**	**n/a**	**2/7/2025**	**1.2**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-18**	**0.04**	**n/a**	**2/7/2025**	**0.5**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-19**	**0.04**	**n/a**	**2/7/2025**	**0.4**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-20**	**0.04**	**n/a**	**2/6/2025**	**5.4**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-21	0.04	n/a	2/10/2025	0.025J	No	84	n/a	n/a	n/a	21.43	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-22**	**0.04**	**n/a**	**2/13/2025**	**13.2**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-23**	**0.04**	**n/a**	**2/11/2025**	**6.7**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-24**	**0.04**	**n/a**	**2/11/2025**	**12.5**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-25**	**0.04**	**n/a**	**2/10/2025**	**0.16**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-30**	**0.04**	**n/a**	**2/10/2025**	**1.1**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-51**	**0.04**	**n/a**	**2/6/2025**	**1.1**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-52**	**0.04**	**n/a**	**2/7/2025**	**0.72**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**21.43**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-7**	**117**	**n/a**	**2/6/2025**	**125**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-8	117	n/a	2/5/2025	44.5	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	2/5/2025	72.8	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	2/6/2025	71.4	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-12**	**117**	**n/a**	**2/5/2025**	**224**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-14A**	**117**	**n/a**	**2/5/2025**	**215**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-16**	**117**	**n/a**	**2/6/2025**	**221**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-17	117	n/a	2/7/2025	86.6	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	2/7/2025	52	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	2/7/2025	70.6	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-20**	**117**	**n/a**	**2/6/2025**	**327**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-21	117	n/a	2/10/2025	45.6	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-22**	**117**	**n/a**	**2/13/2025**	**427**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-23**	**117**	**n/a**	**2/11/2025**	**280**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-24**	**117**	**n/a**	**2/11/2025**	**377**	**Yes**	**84**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-25	117	n/a	2/10/2025	66	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	2/10/2025	69.4	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	2/6/2025	79.3	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-52	117	n/a	2/7/2025	60.5	No	84	n/a	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-7	9.256	n/a	2/6/2025	6.1	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	9.256	n/a	2/5/2025	1.4	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-9**	**9.256**	**n/a**	**2/5/2025**	**9.6**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-10**	**9.256**	**n/a**	**2/6/2025**	**28.6**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-12**	**9.256**	**n/a**	**2/5/2025**	**13.2**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-14A**	**9.256**	**n/a**	**2/5/2025**	**20.6**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-16**	**9.256**	**n/a**	**2/6/2025**	**13.1**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-17**	**9.256**	**n/a**	**2/7/2025**	**35.9**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-18	9.256	n/a	2/7/2025	5.6	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	9.256	n/a	2/7/2025	6.5	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-20**	**9.256**	**n/a**	**2/6/2025**	**118**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-21	9.256	n/a	2/10/2025	4.7	No	84	1.861	0.5541	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-22**	**9.256**	**n/a**	**2/13/2025**	**381**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-23**	**9.256**	**n/a**	**2/11/2025**	**277**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-24**	**9.256**	**n/a**	**2/11/2025**	**352**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-25**	**9.256**	**n/a**	**2/10/2025**	**24.2**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-30**	**9.256**	**n/a**	**2/10/2025**	**63.2**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-51**	**9.256**	**n/a**	**2/6/2025**	**34.5**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-52**	**9.256**	**n/a**	**2/7/2025**	**31.3**	**Yes**	**84**	**1.861**	**0.5541**	**0**	**None**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Fluoride (mg/L)	BGWC-7	0.57	n/a	2/6/2025	0.18	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	2/5/2025	0.073J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	2/5/2025	0.11	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	2/6/2025	0.068J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	2/5/2025	0.1	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	2/5/2025	0.085J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	2/6/2025	0.12	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	2/7/2025	0.17	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	2/7/2025	0.074J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	2/7/2025	0.083J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:47 AM

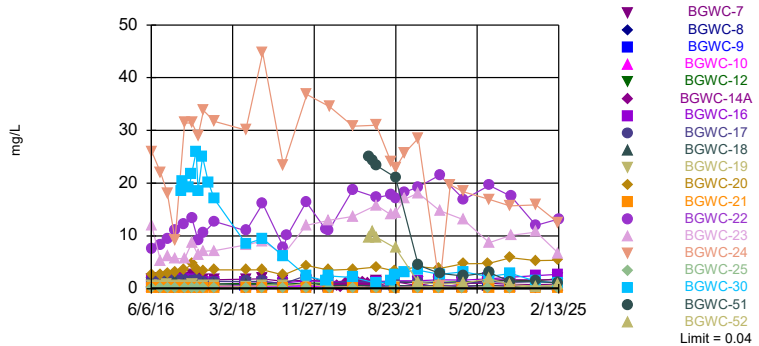
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-20	0.57	n/a	2/6/2025	0.077J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	2/10/2025	0.078J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	2/13/2025	0.29	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	2/11/2025	0.056J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	2/11/2025	0.17	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	2/10/2025	0.066J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	2/10/2025	0.091J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-51	0.57	n/a	2/6/2025	0.19	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-52	0.57	n/a	2/7/2025	0.14	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
pH, Field (SU)	BGWC-7	8.394	6.63	2/6/2025	7.03	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-8	8.394	6.63	2/5/2025	7.64	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-9	8.394	6.63	2/5/2025	7.29	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-10	8.394	6.63	2/6/2025	7.51	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-12	8.394	6.63	2/5/2025	6.92	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-14A	8.394	6.63	2/5/2025	6.89	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-16**	**8.394**	**6.63**	**2/6/2025**	**6.25**	**Yes**	**93**	**7.512**	**0.4153**	**0**	**None**	**No**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-17	8.394	6.63	2/7/2025	7.11	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-18**	**8.394**	**6.63**	**2/7/2025**	**6.59**	**Yes**	**93**	**7.512**	**0.4153**	**0**	**None**	**No**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-19	8.394	6.63	2/7/2025	6.72	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-20	8.394	6.63	2/6/2025	7.16	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-21	8.394	6.63	2/10/2025	7.68	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-22	8.394	6.63	2/13/2025	6.85	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-23	8.394	6.63	2/11/2025	6.94	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-24**	**8.394**	**6.63**	**2/11/2025**	**6.6**	**Yes**	**93**	**7.512**	**0.4153**	**0**	**None**	**No**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-25	8.394	6.63	2/10/2025	7.47	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-30	8.394	6.63	2/10/2025	7.37	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-51	8.394	6.63	2/6/2025	7.39	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-52	8.394	6.63	2/7/2025	7.6	No	93	7.512	0.4153	0	None	No	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	**BGWC-7**	**78**	**n/a**	**2/6/2025**	**147**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-8	78	n/a	2/5/2025	11.6	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-9**	**78**	**n/a**	**2/5/2025**	**80**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-10**	**78**	**n/a**	**2/6/2025**	**89.8**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-12**	**78**	**n/a**	**2/5/2025**	**456**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-14A**	**78**	**n/a**	**2/5/2025**	**440**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-16**	**78**	**n/a**	**2/6/2025**	**455**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-17**	**78**	**n/a**	**2/7/2025**	**119**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-18	78	n/a	2/7/2025	62	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-19**	**78**	**n/a**	**2/7/2025**	**91**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-20**	**78**	**n/a**	**2/6/2025**	**573**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-21	78	n/a	2/10/2025	51.6	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-22**	**78**	**n/a**	**2/13/2025**	**356**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-23**	**78**	**n/a**	**2/11/2025**	**218**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-24**	**78**	**n/a**	**2/11/2025**	**229**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002697**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-25	78	n/a	2/10/2025	42.4	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	2/10/2025	29.4	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-51	78	n/a	2/6/2025	58.8	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-52	78	n/a	2/7/2025	64	No	84	n/a	n/a	0	n/a	n/a	0.0002697	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-7**	**415**	**n/a**	**2/6/2025**	**562**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-8	415	n/a	2/5/2025	173	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-9	415	n/a	2/5/2025	344	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-10	415	n/a	2/6/2025	402	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-12**	**415**	**n/a**	**2/5/2025**	**1130**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-14A**	**415**	**n/a**	**2/5/2025**	**984**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-16**	**415**	**n/a**	**2/6/2025**	**1050**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-17**	**415**	**n/a**	**2/7/2025**	**442**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-18	415	n/a	2/7/2025	264	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-19	415	n/a	2/7/2025	345	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-20**	**415**	**n/a**	**2/6/2025**	**1430**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-21	415	n/a	2/10/2025	243	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-22**	**415**	**n/a**	**2/13/2025**	**1670**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-23**	**415**	**n/a**	**2/11/2025**	**1300**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-24**	**415**	**n/a**	**2/11/2025**	**1500**	**Yes**	**82**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002816**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-25	415	n/a	2/10/2025	286	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-30	415	n/a	2/10/2025	282	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-51	415	n/a	2/6/2025	321	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-52	415	n/a	2/7/2025	282	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2

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Exceeds Limit: BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20...

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 84 background values. 21.43% NDs. Annual per-constituent alpha = 0.0102. Individual comparison alpha = 0.0002697 (1 of 2). Comparing 19 points to limit.

Constituent: Boron Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

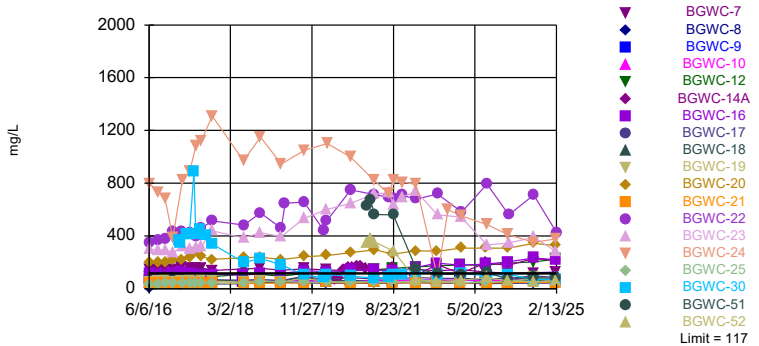
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Exceeds Limit: BGWC-7, BGWC-12, BGWC-14A, BGWC-16, 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 84 background values. Annual per-constituent alpha = 0.0102. Individual comparison alpha = 0.0002697 (1 of 2). Comparing 19 points to limit.

Constituent: Calcium Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

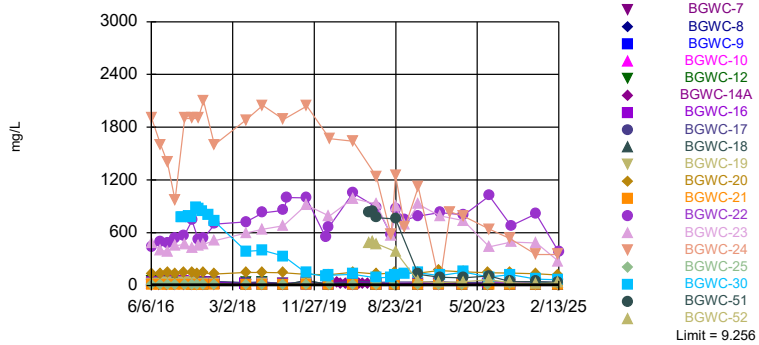
Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, 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.=0.5541, n=84. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9652, critical = 0.96. Kappa = 2.132 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Chloride Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

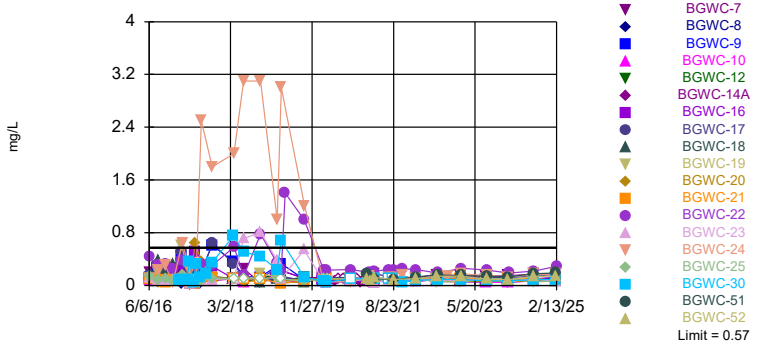
Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 93 background values. 48.39% NDs. Annual per-constituent alpha = 0.008367. Individual comparison alpha = 0.0002211 (1 of 2). Comparing 19 points to limit.

Constituent: Fluoride Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

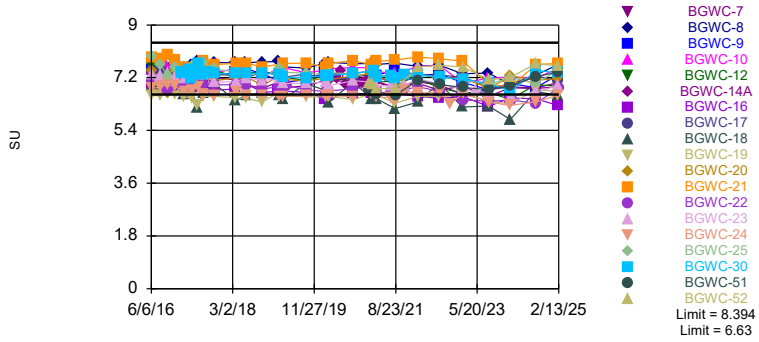
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Exceeds Limits: BGWC-16, BGWC-18, BGWC-24

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=7.512, Std. Dev.=0.4153, n=93. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9635, critical = 0.963. Kappa = 2.123 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. Comparing 19 points to limit.

Constituent: pH, Field Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

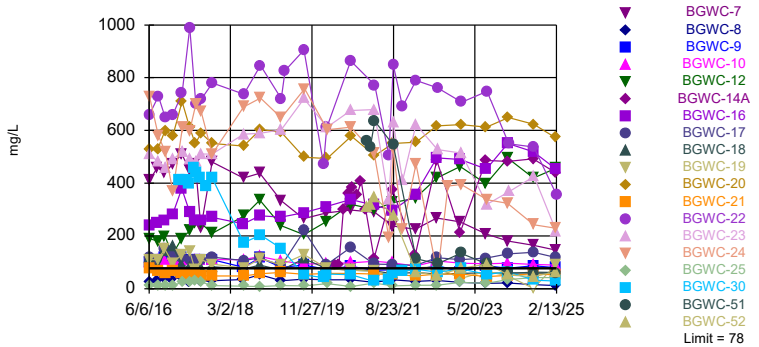
Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22...

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 84 background values. Annual per-constituent alpha = 0.0102. Individual comparison alpha = 0.0002697 (1 of 2). Comparing 19 points to limit.

Constituent: Sulfate Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

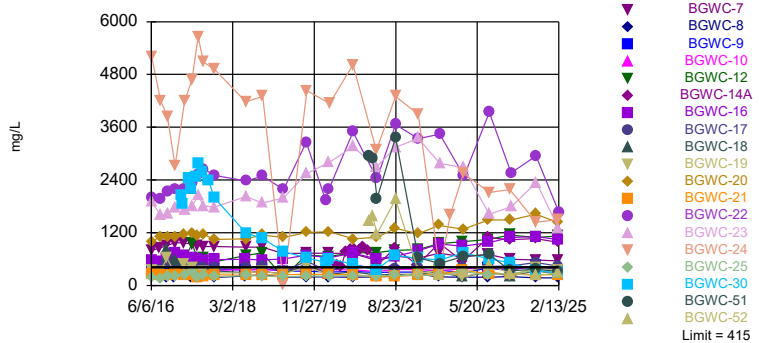
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Exceeds Limit: BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, 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 82 background values. Annual per-constituent alpha = 0.01064. Individual comparison alpha = 0.0002816 (1 of 2). Comparing 19 points to limit.

Constituent: TDS Analysis Run 6/3/2025 11:43 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
6/6/2016	<0.04	0.55							
6/7/2016			1.7	0.37	1.1	0.02	1.5		
6/8/2016								1.7	2.6
6/9/2016									
8/9/2016	0.0336 (J)								
8/10/2016						0.117			
8/11/2016		0.612	1.37				1.41	1.95	
8/12/2016					0.867				2.74
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			2.06	
10/7/2016			1.49	0.492			1.76		
10/10/2016									3
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	0.515			1.79	2.05	
12/7/2016									3.08
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			2.01	
2/16/2017			1.73	0.482			1.63		
2/17/2017									3.63
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	0.515	0.941			2.58	
4/19/2017							1.47		4.68
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									3.57
6/2/2017				0.513	1.02			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					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
7/13/2017					0.945				
7/14/2017			1.26				1.26	1.85	
7/17/2017									
7/18/2017									3.37
7/19/2017									
8/23/2017									
10/9/2017	0.0063 (J)								
10/10/2017		0.619			0.908	0.0515			
10/11/2017			1.36	0.486			1.37	1.72	3.54
10/12/2017									
6/12/2018	0.0058 (J)	0.56	1.3			0.074			
6/13/2018								1.8	3.6
6/14/2018				0.54	1		1.4		
6/15/2018									
10/16/2018	0.0066 (J)					0.16			
10/17/2018		0.61			1		1.4		
10/18/2018			1.3	0.49				1.9	
10/19/2018									
10/22/2018									3.6
4/1/2019	0.0076 (J)	0.5			0.86 (J)	0.046 (J)			
4/2/2019			1.1	0.51 (J)			0.95 (J)	1.4	
4/3/2019									2.6
4/4/2019									
5/2/2019	0.015 (J)								
9/23/2019	0.0069 (J)								
9/24/2019		0.51				0.06		1.6	
9/25/2019				0.49	1.1				
9/26/2019			1.5				2.5		4.4
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	0.016 (J)					0.058 (J)			
3/19/2020		0.41	1.3		1		1	1.4	
3/20/2020									
3/23/2020				0.5					3.5
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	0.0086 (J)					0.054 (J)			
9/24/2020		0.44	1.3	0.47			1.5		
9/25/2020					1			1.3	
9/28/2020									3.7
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		0.45	1.3		1.2	0.04 (J)	1.1		
3/25/2021									
3/26/2021	0.0094 (J)								
3/29/2021									4.1
3/30/2021				0.56				1.4	
7/19/2021									
7/20/2021									
8/16/2021	0.013 (J)								
8/18/2021		0.47	1.5	0.51	1.2	0.093			
8/19/2021							1.3	1.3	
8/20/2021									3.3
8/23/2021									
11/1/2021									
2/9/2022	0.0099 (J)								
2/10/2022		0.46				0.051			
2/11/2022			1.5	0.5	1.2		1.2	1.2	
2/14/2022									
2/15/2022									
2/16/2022									4.2
7/26/2022	0.014 (J)	0.47				0.052			
7/27/2022			1.7		1.2		1.2		3.8
7/28/2022				0.52				1.1	
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	0.01 (J)								
1/26/2023		0.41	1.6		1.3	0.051	1	1	
1/27/2023				0.53					
1/30/2023									4.7
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					1.4	0.034 (J)			
8/17/2023		0.56	1.9	0.57			1.3	1	
8/18/2023									4.8
8/21/2023	<0.04								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		0.48	2.2	0.51	1.6	0.04 (J)	1.2		
2/2/2024								0.85	
2/5/2024									5.9
2/6/2024									
2/8/2024	0.022 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
8/15/2024									
8/16/2024						0.023 (J)		0.77	
8/19/2024		0.5	2.5		1.5		1.3		
8/20/2024				0.5					5.3
8/21/2024	0.013 (J)								
8/22/2024									
2/4/2025									
2/5/2025		0.52			1.9	0.029 (J)			
2/6/2025			2.7	0.51				0.83	5.4
2/7/2025							1.2		
2/10/2025	0.018 (J)								
2/11/2025									
2/13/2025									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	0.49	0.12	7.6	0.029 (J)	1.2				
6/9/2016						12	26		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016	0.647				0.895				
8/15/2016				0.0228 (J)					
8/16/2016									
8/18/2016		0.191	8.37			5.2	22		
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		0.13	9.46	0.0305 (J)		6.13	18.1		
11/29/2016									
12/1/2016								<0.04	
12/2/2016									
12/5/2016									
12/6/2016					1.5				
12/7/2016	0.51					5.7	9.19		
12/8/2016		0.144	11.1	0.0164 (J)					
1/10/2017								<0.04	
1/23/2017									18.6
2/7/2017									20.4
2/13/2017									
2/14/2017								<0.04	
2/15/2017									
2/16/2017	0.68				0.753				
2/17/2017		0.0685	12.2						
2/20/2017				0.0154 (J)		5.7	31.4		
3/27/2017									19.1
4/13/2017									
4/14/2017								<0.04	
4/17/2017									21.8
4/18/2017									
4/19/2017	0.701	0.0743			0.762	8.79	31.4		
4/20/2017			13.3	0.0283 (J)					
5/22/2017									26
5/25/2017								<0.04	
5/26/2017									
5/30/2017									
6/1/2017	0.383	0.0499		0.0467	0.663				
6/2/2017									
6/5/2017			9.19			6.39	29		18.6
7/7/2017									
7/10/2017								<0.04	
7/11/2017									25
7/12/2017									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017	0.645				0.787				
7/17/2017				0.0171 (J)		7.06	33.8		
7/18/2017		0.0544							
7/19/2017			10.6						
8/23/2017									20.2
10/9/2017									
10/10/2017								<0.04	17
10/11/2017	0.594			0.0141 (J)	0.889	7.18	31.7		
10/12/2017		0.0494	12.7						
6/12/2018								0.0056 (J)	
6/13/2018						8.3	30.1		
6/14/2018		0.035 (J)	11	0.017 (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	0.65	0.028 (J)							
10/22/2018			16.1	0.03 (J)		9	44.7		9.5
4/1/2019								0.0048 (J)	
4/2/2019					0.56 (J)				6.1 (J)
4/3/2019	0.51	0.12	7.9			6.5	23.3		
4/4/2019				0.02 (J)					
5/2/2019			10.1						
9/23/2019								0.0052 (J)	
9/24/2019									
9/25/2019									
9/26/2019	0.96				1.1				
9/27/2019			16.4			12			2.4
9/30/2019		0.04 (J)		0.038 (J)			36.8		
2/19/2020								0.0057 (J)	
2/25/2020			11.2						
2/26/2020									1.5
3/18/2020								0.0054 (J)	
3/19/2020									
3/20/2020	0.29	0.03 (J)	11.1		0.53				
3/23/2020						13			2.4
3/24/2020				0.032 (J)					
3/25/2020							34.5		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.04	
9/24/2020		0.037 (J)	18.8		0.72	13.7			
9/25/2020							30.8		2.1
9/28/2020	0.4			0.049 (J)					
10/1/2020									
11/10/2020									
12/15/2020									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								<0.04	
3/24/2021					0.5				
3/25/2021									1.1
3/26/2021	0.24			0.17		15.8	31		
3/29/2021		0.038 (J)	17.3						
3/30/2021									
7/19/2021			17.8			14	24		
7/20/2021									1.4
8/16/2021								<0.04	
8/18/2021									
8/19/2021				0.038 (J)	0.57				2.6
8/20/2021	0.29	0.045							
8/23/2021			17.2			14.4	22.8		
11/1/2021			18.3			17	25.8		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	0.35	0.053		0.048	0.56				
7/26/2022								0.013 (J)	
7/27/2022	0.43			0.051	0.53				
7/28/2022		0.035 (J)							
8/1/2022						14.8			2.7
8/2/2022			21.5				0.52		
10/21/2022							19.7		
1/24/2023								<0.04	
1/26/2023					0.45				
1/27/2023	0.18	0.026 (J)		0.029 (J)					
1/30/2023									
1/31/2023									
2/1/2023							18.4		3.2
2/2/2023						13.1			
2/7/2023			16.9						
8/15/2023									
8/16/2023								<0.04	
8/17/2023				0.075	0.64				
8/18/2023	0.39								
8/21/2023									2.3
8/22/2023			19.6						
8/23/2023		0.026 (J)				8.7			
8/25/2023							16.9		
1/30/2024							15.7		
1/31/2024									
2/1/2024									
2/2/2024	0.22				0.41				
2/5/2024		0.039 (J)		0.097				<0.04	
2/6/2024									2.9
2/8/2024			17.5			10.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024									
8/19/2024	0.58				0.53				
8/20/2024				0.27					
8/21/2024			12				15.9	<0.04	
8/22/2024		0.028 (J)				10.7			1.4
2/4/2025									
2/5/2025									
2/6/2025								<0.04	
2/7/2025	0.4				0.5				
2/10/2025		0.025 (J)		0.16					1.1
2/11/2025						6.7	12.5		
2/13/2025			13.2						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	0.025 (J)	1.2	0.027 (J)		
11/10/2020	0.025 (J)	1.1	0.032 (J)		
12/15/2020	0.031 (J)	1.2	0.034 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	0.022 (J)	1.1	0.034 (J)		
1/28/2021				24.9	9.7
2/23/2021				24.3	10.7
3/23/2021					
3/24/2021		0.6			
3/25/2021	0.017 (J)		0.026 (J)		
3/26/2021					
3/29/2021					
3/30/2021				23.3	9.7
7/19/2021					
7/20/2021					
8/16/2021	0.021 (J)		0.034 (J)		
8/18/2021		1.3			
8/19/2021					
8/20/2021					
8/23/2021				21.1	7.7
11/1/2021					
2/9/2022	0.017 (J)	0.57	0.038 (J)		
2/10/2022					
2/11/2022					
2/14/2022				4.5	1.2
2/15/2022					
2/16/2022					
7/26/2022	0.022 (J)	1.3	0.017 (J)		
7/27/2022					
7/28/2022					0.87
8/1/2022				2.9	
8/2/2022					
10/21/2022					
1/24/2023	0.016 (J)		0.014 (J)		
1/26/2023		0.69			
1/27/2023					
1/30/2023					
1/31/2023				2.4	1.1
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023	0.034 (J)				
8/16/2023		1.7	0.01 (J)		
8/17/2023					
8/18/2023					
8/21/2023				3.1	
8/22/2023					1.9
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024	0.023 (J)		0.024 (J)		
2/1/2024		1.7			
2/2/2024					
2/5/2024				1.3	0.77
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024	0.014 (J)		0.016 (J)		
8/16/2024		1.7			
8/19/2024					
8/20/2024				1.4	0.45
8/21/2024					
8/22/2024					
2/4/2025	0.022 (J)		0.022 (J)		
2/5/2025		1.7			
2/6/2025				1.1	
2/7/2025					0.72
2/10/2025					
2/11/2025					
2/13/2025					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
6/6/2016	39	66							
6/7/2016			120	50	90	7.9	65		
6/8/2016								140	200
6/9/2016									
8/9/2016	32.2								
8/10/2016						36.8			
8/11/2016		65.2	111				61	141	
8/12/2016					76.6				196
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			147	
10/7/2016			103	52.6			71		
10/10/2016									198
11/29/2016	29.7								
12/1/2016									
12/2/2016						37.8			
12/5/2016		74.6			80.9				
12/6/2016			117	55.4			68.7	146	
12/7/2016									215
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			163	
2/16/2017			124	53.2			65.5		
2/17/2017									221
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	58	94.8			155	
4/19/2017							68.9		240
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									286
6/2/2017				55.8	108			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 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
7/13/2017					111				
7/14/2017			109				70.6	157	
7/17/2017									
7/18/2017									244
7/19/2017									
8/23/2017									
10/9/2017	33.6								
10/10/2017		61.7			93	36.9			
10/11/2017			109	55.7			67.3	137	222
10/12/2017									
6/12/2018	32.4	53.4	104			38.1			
6/13/2018								151	234
6/14/2018				58.4	109		65.7		
6/15/2018									
10/16/2018	34.6					44.8			
10/17/2018		63			110		69.7		
10/18/2018			112	57.8				154	
10/19/2018									
10/22/2018									241
4/1/2019	48.2	59.3			94.8	47.2			
4/2/2019			117	57.8			63.9	140	
4/3/2019									220
4/4/2019									
5/2/2019	44.8								
9/23/2019	36.3								
9/24/2019		57.6				42.4		151	
9/25/2019				58.1	115				
9/26/2019			136				94.2		243
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	40.1					43			
3/19/2020		61.5	130		120		68.1	142	
3/20/2020									
3/23/2020				61.1					253
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	45.2					41.6			
9/24/2020		59	141	58.8			84.9		
9/25/2020					135			138	
9/28/2020									273
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		59.9	140		144	42.1	72		
3/25/2021									
3/26/2021	46.7								
3/29/2021									296
3/30/2021				61.3				145	
7/19/2021									
7/20/2021									
8/16/2021	48.3								
8/18/2021		63	139	61.1	156	44.5			
8/19/2021							74	141	
8/20/2021									262
8/23/2021									
11/1/2021									
2/9/2022	52.3								
2/10/2022		65.6				44.9			
2/11/2022			160	66.2	164		83.5	148	
2/14/2022									
2/15/2022									
2/16/2022									288
7/26/2022	46.7	66.3				41.8			
7/27/2022			194		175		80.9		284
7/28/2022				63				136	
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	51.4								
1/26/2023		62.4	178		178	42.8	76.2	146	
1/27/2023				64					
1/30/2023									309
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					178	38.8			
8/17/2023		66.9	187	62.2			75.4	125	
8/18/2023									309
8/21/2023	49.5								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		60.1	203	62.8	194	39.9	79.9		
2/2/2024								119	
2/5/2024									309
2/6/2024									
2/8/2024	48.6								

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
8/15/2024									
8/16/2024						42.8		120	
8/19/2024		74.8	233		204		96		
8/20/2024				73.1					345
8/21/2024	54.8								
8/22/2024									
2/4/2025									
2/5/2025		72.8			224	44.5			
2/6/2025			221	71.4				125	327
2/7/2025							86.6		
2/10/2025	50.1								
2/11/2025									
2/13/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	55	43	350	32	76				
6/9/2016						300	800		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016	61.2				61.7				
8/15/2016				33.1					
8/16/2016									
8/18/2016		38.6	370			290	730		
8/22/2016								21.4	
10/3/2016									
10/4/2016								20.9	
10/5/2016									
10/6/2016									
10/7/2016	70.2				84.7				
10/10/2016		37.5	375	41		296	680		
11/29/2016									
12/1/2016								19.8	
12/2/2016									
12/5/2016									
12/6/2016					88.1				
12/7/2016	48.6					271	387		
12/8/2016		43.4	434	38.5					
1/10/2017								20.4	
1/23/2017									372
2/7/2017									351
2/13/2017									
2/14/2017								20.9	
2/15/2017									
2/16/2017	64.7				53.7				
2/17/2017		41	434						
2/20/2017				40.7		323	823		
3/27/2017									417
4/13/2017									
4/14/2017								20.7 (J)	
4/17/2017									415
4/18/2017									
4/19/2017	69.5	39.4			57.1	298	893 (J)		
4/20/2017			422	40.7					
5/22/2017									885
5/25/2017								22.8 (J)	
5/26/2017									
5/30/2017									
6/1/2017	50.8	42.3		44.2	44.8				
6/2/2017									
6/5/2017			398			310	1080		413
7/7/2017									
7/10/2017								22.3	
7/11/2017									449
7/12/2017									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017	67				60				
7/17/2017				41.9		319	1120		
7/18/2017		40.9							
7/19/2017			461						
8/23/2017									409
10/9/2017									
10/10/2017								4.09	339
10/11/2017	57.3			41.1	67	438	1310		
10/12/2017		43.3	515						
6/12/2018								20.3 (J)	
6/13/2018						385	970		
6/14/2018		39.4	482	44.8	53.1				
6/15/2018	49.7								198
10/16/2018								19.4 (J)	
10/17/2018									
10/18/2018					60.4				
10/19/2018	63.1	40.6							
10/22/2018			575	52.2		424	1150		230
4/1/2019								24.6	
4/2/2019					53.3				181
4/3/2019	51.3	43.4	458			396	945		
4/4/2019				54.8					
5/2/2019			647						
9/23/2019								19.2	
9/24/2019									
9/25/2019									
9/26/2019	80.8				91.7				
9/27/2019			658			533			103
9/30/2019		43.2		47.8			1050		
2/19/2020								20.8	
2/25/2020			445						
2/26/2020									85.3
3/18/2020								22.4	
3/19/2020									
3/20/2020	52.1	48.2	514		49.3				
3/23/2020						602			107
3/24/2020				49.6					
3/25/2020							1100		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								20.1	
9/24/2020		42	750		68.7	647			
9/25/2020							998		93.3
9/28/2020	50.1			50.7					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								22.1	
3/24/2021					48.2				
3/25/2021									81.1
3/26/2021	46.4			52.8		717	821		
3/29/2021		46.6	714						
3/30/2021									
7/19/2021			693			728	717		
7/20/2021									87.8
8/16/2021								21.5	
8/18/2021									
8/19/2021				51.2	49.2				109
8/20/2021	47.2	45.1							
8/23/2021			681			638	827		
11/1/2021			708			695	808		108
2/9/2022									
2/10/2022								20.3	
2/11/2022									
2/14/2022						740			129
2/15/2022			680				791		
2/16/2022	60.5	44.1		51.4	49				
7/26/2022								20	
7/27/2022	63.2			52.1	65.9				
7/28/2022		43.1							
8/1/2022						559			111
8/2/2022			717				90		
10/21/2022							600		
1/24/2023								21	
1/26/2023					41.4				
1/27/2023	39.3	46.5		48.8					
1/30/2023									
1/31/2023									
2/1/2023							552		113
2/2/2023						543			
2/7/2023			583						
8/15/2023									
8/16/2023								20.9	
8/17/2023				48.1	57				
8/18/2023	56.5								
8/21/2023									98.8
8/22/2023			793						
8/23/2023		43.9				332			
8/25/2023							486		
1/30/2024							413		
1/31/2024									
2/1/2024									
2/2/2024	51.7				44.9				
2/5/2024		45.9		57.6				20.5	
2/6/2024									109
2/8/2024			561			347			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024									
8/19/2024	84.7				68.4				
8/20/2024				72					
8/21/2024			710				352	23.1	
8/22/2024		47.9				391			69.5
2/4/2025									
2/5/2025									
2/6/2025								23	
2/7/2025	70.6				52				
2/10/2025		45.6		66					69.4
2/11/2025						280	377		
2/13/2025			427						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	107	162	61.9		
11/10/2020	117	170	80.3		
12/15/2020	110	169	70.3		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	111	157	67.5		
1/28/2021				624	350
2/23/2021				674	379
3/23/2021					
3/24/2021		91.9			
3/25/2021	109		68.3		
3/26/2021					
3/29/2021					
3/30/2021				562	353
7/19/2021					
7/20/2021					
8/16/2021	108		61		
8/18/2021		166			
8/19/2021					
8/20/2021					
8/23/2021				561	286
11/1/2021					
2/9/2022	112	97.5	46.3		
2/10/2022					
2/11/2022					
2/14/2022				155	72.8
2/15/2022					
2/16/2022					
7/26/2022	105	185	34.5		
7/27/2022					
7/28/2022					52.3
8/1/2022				112	
8/2/2022					
10/21/2022					
1/24/2023	109		40.7		
1/26/2023		117			
1/27/2023					
1/30/2023					
1/31/2023				111	62.8
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023	102				
8/16/2023		196	37.7		
8/17/2023					
8/18/2023					
8/21/2023				123	
8/22/2023					85.7
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024	102		38.7		
2/1/2024		177			
2/2/2024					
2/5/2024				73.1	57.8
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024	105		40.6		
8/16/2024		227			
8/19/2024					
8/20/2024				84.2	53.4
8/21/2024					
8/22/2024					
2/4/2025	108		42.6		
2/5/2025		215			
2/6/2025				79.3	
2/7/2025					60.5
2/10/2025					
2/11/2025					
2/13/2025					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
6/6/2016	2.9	27							
6/7/2016			37	19	44	2	26		
6/8/2016								11	130
6/9/2016									
8/9/2016	2.5								
8/10/2016						2.1			
8/11/2016		30	41				34	11	
8/12/2016					43				130
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			11	
10/7/2016			44	21			38		
10/10/2016									140
11/29/2016	2.6								
12/1/2016									
12/2/2016						2.1			
12/5/2016		40			41				
12/6/2016			48	22			45	11	
12/7/2016									130
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			12	
2/16/2017			46	22			40		
2/17/2017									140
2/20/2017									
3/27/2017									
4/13/2017	2.1								
4/14/2017						1.7			
4/17/2017		35							
4/18/2017			41	21	39			12	
4/19/2017							38		140
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									130
6/2/2017				20	37			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 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
7/13/2017					38				
7/14/2017			35				36	11	
7/17/2017									
7/18/2017									140
7/19/2017									
8/23/2017									
10/9/2017	1.9								
10/10/2017		35			38	1.9			
10/11/2017			36	24			45	12	130
10/12/2017									
6/12/2018	3.4	21.3	27.2			2.3			
6/13/2018								10.8	150
6/14/2018				23.1	30.5		33.3		
6/15/2018									
10/16/2018	3.3					2.6			
10/17/2018		29.4			30.7		41.8		
10/18/2018			25.2	26.9				11.7	
10/19/2018									
10/22/2018									149
4/1/2019	4.2	13.4			24.1	1.8			
4/2/2019			20.3	24.1			18.7	9.4	
4/3/2019									144
4/4/2019									
5/2/2019	4.3								
9/23/2019	3.1								
9/24/2019		13.2				1.5		8	
9/25/2019				25.1	23.6				
9/26/2019			28.7				47.1		128
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	3.1					1.5			
3/19/2020		7.3	22		20.5		21.9	8.4	
3/20/2020									
3/23/2020				20.8					125
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	4.2					1.5			
9/24/2020		9.2	28.8	25.4			50.1		
9/25/2020					20.2			13.1	
9/28/2020									152
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		8	24		18.4	1.5	35.6		
3/25/2021									
3/26/2021	3.6								
3/29/2021									131
3/30/2021				23.8				8.8	
7/19/2021									
7/20/2021									
8/16/2021	3.4								
8/18/2021		8.5	19.9	25.1	15.8	1.7			
8/19/2021							38.2	7.6	
8/20/2021									144
8/23/2021									
11/1/2021									
2/9/2022	3.7								
2/10/2022		8.9				1.6			
2/11/2022			22.3	28.2	16.4		38.5	8	
2/14/2022									
2/15/2022									
2/16/2022									141
7/26/2022	3.2	10.9				1.6			
7/27/2022			23.1		16.2		43.2		169
7/28/2022				30				8.9	
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	3.4								
1/26/2023		7.5	18.3		14.5	1.7	34	7.5	
1/27/2023				28.2					
1/30/2023									156
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					13.7	1.7			
8/17/2023		10.7	18.2	29.2			39.5	8	
8/18/2023									145
8/21/2023	2.9								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		9.3	18.5	30.1	14.2	1.5	41.8		
2/2/2024								6.5	
2/5/2024									140
2/6/2024									
2/8/2024	3.2								

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
8/15/2024									
8/16/2024						1.6		6.7	
8/19/2024		11.7	16.3		14.3		41.7		
8/20/2024				29.8					135
8/21/2024	3.4								
8/22/2024									
2/4/2025									
2/5/2025		9.6			13.2	1.4			
2/6/2025			13.1	28.6				6.1	118
2/7/2025							35.9		
2/10/2025	3.1								
2/11/2025									
2/13/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	23	7.1	440	6.4	48				
6/9/2016						480	1900		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016	26				27				
8/15/2016				4.3					
8/16/2016									
8/18/2016		6.9	500			400	1600		
8/22/2016								4.2	
10/3/2016									
10/4/2016								2.1	
10/5/2016									
10/6/2016									
10/7/2016	41				72				
10/10/2016		7.1	480	3.5		390	1400		
11/29/2016									
12/1/2016								1.8	
12/2/2016									
12/5/2016									
12/6/2016					73				
12/7/2016	23					450	970		
12/8/2016		6.3	540	2.8					
1/10/2017								1.6	
1/23/2017									780
2/7/2017									780
2/13/2017									
2/14/2017								1.9	
2/15/2017									
2/16/2017	31				19				
2/17/2017		5.6	570						
2/20/2017				4.2		470	1900		
3/27/2017									790
4/13/2017									
4/14/2017								1.5	
4/17/2017									770
4/18/2017									
4/19/2017	30	5			13	420	1900		
4/20/2017			740	4.1					
5/22/2017									890
5/25/2017								1.5	
5/26/2017									
5/30/2017									
6/1/2017	13	4.9		4.4	8				
6/2/2017									
6/5/2017			530			450	1900		870
7/7/2017									
7/10/2017								1.6	
7/11/2017									840
7/12/2017									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017	19				11				
7/17/2017				5		470	2100		
7/18/2017		4.2							
7/19/2017			540						
8/23/2017									800
10/9/2017									
10/10/2017								1.7	730
10/11/2017	19			4.1	24	510	1600		
10/12/2017		4.8	700						
6/12/2018								1.8	
6/13/2018						598	1880		
6/14/2018		3.3	725	3.4	7.3				
6/15/2018	9.3								390
10/16/2018								1.5	
10/17/2018									
10/18/2018					10.9				
10/19/2018	15.3	4.1							
10/22/2018			827	3.9		639	2050		400
4/1/2019								1.6	
4/2/2019					4.5				333
4/3/2019	9.7	5	856			679	1890		
4/4/2019				3.8					
5/2/2019			999						
9/23/2019								1.2	
9/24/2019									
9/25/2019									
9/26/2019	26				60.5				
9/27/2019			996			918			143
9/30/2019		4.7		5.2			2040		
2/19/2020								1.3	
2/25/2020			547						
2/26/2020									100
3/18/2020								1.4	
3/19/2020									
3/20/2020	6.6	4.2	665		5.3				
3/23/2020						788			117
3/24/2020				3.6					
3/25/2020							1670		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								1.1	
9/24/2020		4	1050		30.3	988			
9/25/2020							1640		127
9/28/2020	8.6			5.6					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								1.2	
3/24/2021					6.1				
3/25/2021									85.5
3/26/2021	5.8			5.7		928	1240		
3/29/2021		5	886						
3/30/2021									
7/19/2021			579			570	575		
7/20/2021									95.3
8/16/2021								1.1	
8/18/2021									
8/19/2021				5.1	10.4				117
8/20/2021	4.4	4.4							
8/23/2021			879			898	1250		
11/1/2021			744			688	661		133
2/9/2022									
2/10/2022								1.2	
2/11/2022									
2/14/2022						925			146
2/15/2022			789				1120		
2/16/2022	6.7	4		5.7	7.7				
7/26/2022								0.97 (J)	
7/27/2022	7.8			6.2	14.9				
7/28/2022		4.7							
8/1/2022						794			114
8/2/2022			828				17.1		
10/21/2022							836		
1/24/2023								1.5	
1/26/2023					5.9				
1/27/2023	3.1	6.1		5.4					
1/30/2023									
1/31/2023									
2/1/2023							789		154
2/2/2023						737			
2/7/2023			803						
8/15/2023									
8/16/2023								1.3	
8/17/2023				11.4	12.6				
8/18/2023	5.9								
8/21/2023									97.6
8/22/2023			1020						
8/23/2023		5				439			
8/25/2023							641		
1/30/2024							533		
1/31/2024									
2/1/2024									
2/2/2024	3.5				5.3				
2/5/2024		5.2		17.6				1.1	
2/6/2024									123
2/8/2024			679			493			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024									
8/19/2024	<1				7				
8/20/2024				34					
8/21/2024			815				352	1.2	
8/22/2024		5.2				482			72.4
2/4/2025									
2/5/2025									
2/6/2025								0.96 (J)	
2/7/2025	6.5				5.6				
2/10/2025		4.7		24.2					63.2
2/11/2025						277	352		
2/13/2025			381						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	6	18.6	7.5		
11/10/2020	5.5	19.6	7.7		
12/15/2020	6.3	20.7	8		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	5.7	21.9	7.2		
1/28/2021				835	484
2/23/2021				845	489
3/23/2021					
3/24/2021		14.1			
3/25/2021	5.7		7.5		
3/26/2021					
3/29/2021					
3/30/2021				772	472
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				756	384
11/1/2021					
2/9/2022	5.4	10.8	8.9		
2/10/2022					
2/11/2022					
2/14/2022				128	46.8
2/15/2022					
2/16/2022					
7/26/2022	5.5	19.6	4.6		
7/27/2022					
7/28/2022					33.9
8/1/2022				95.4	
8/2/2022					
10/21/2022					
1/24/2023	5.2		4.3		
1/26/2023		10.9			
1/27/2023					
1/30/2023					
1/31/2023				85.6	41.5
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023	4.9				
8/16/2023		18.2	4.3		
8/17/2023					
8/18/2023					
8/21/2023				108	
8/22/2023					64.6
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024	4.7		7.3		
2/1/2024		17.3			
2/2/2024					
2/5/2024				42.6	34
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024	4.5		6.1		
8/16/2024		19.7			
8/19/2024					
8/20/2024				41.9	15.4
8/21/2024					
8/22/2024					
2/4/2025	4.6		5.8		
2/5/2025		20.6			
2/6/2025				34.5	
2/7/2025					31.3
2/10/2025					
2/11/2025					
2/13/2025					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-10	BGWC-8	BGWC-17	BGWC-16	BGWC-7	BGWC-18
6/6/2016	0.11 (J)	0.12 (J)							
6/7/2016			<0.1	0.09 (J)	<0.1	0.15 (J)	<0.1		
6/8/2016								0.19 (J)	0.1 (J)
6/9/2016									
8/9/2016	0.09 (J)								
8/10/2016					0.07 (J)				
8/11/2016		0.27 (J)				0.3 (J)	0.12 (J)	0.15 (J)	
8/12/2016			0.08 (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)					0.17 (J)	
10/7/2016				0.17 (J)		0.14 (J)	0.08 (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				0.16 (J)		0.19 (J)	0.24 (J)	0.22 (J)	0.32
12/7/2016									
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					0.18 (J)	
2/16/2017				0.38		0.51	0.31		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			0.006 (J)	0.12 (J)			0.02 (J)	0.11 (J)	
4/19/2017						0.18 (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						0.15 (J)	0.51		
6/1/2017									0.09 (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)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-10	BGWC-8	BGWC-17	BGWC-16	BGWC-7	BGWC-18
7/13/2017			0.17 (J)						
7/14/2017						0.16 (J)	0.14 (J)	0.23 (J)	0.06 (J)
7/17/2017									
7/18/2017									
7/19/2017									
8/23/2017									
10/9/2017	0.11 (J)								
10/10/2017		0.61	0.08 (J)		<0.1				
10/11/2017				0.07 (J)		0.64	0.29 (J)	0.1 (J)	0.14 (J)
10/12/2017									
3/26/2018	<0.1				<0.1				
3/27/2018		0.36		<0.1		0.33	<0.1	<0.1	<0.1
3/28/2018			<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			<0.1	0.046 (J)		0.11 (J)			0.095 (J)
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)	0.054 (J)
10/19/2018									
10/22/2018									
2/25/2019	<0.1				<0.1		0.13 (J)		
2/27/2019						0.26 (J)			<0.1
2/28/2019			0.18 (J)	0.14 (J)				0.23 (J)	
3/1/2019									
4/1/2019	0.047 (J)	0.33	0.065 (J)		<0.1				
4/2/2019				0.044 (J)		0.14 (J)	0.23 (J)	0.22 (J)	0.044 (J)
4/3/2019									
4/4/2019									
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		0.052 (J)
9/27/2019									
9/30/2019									
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			0.051 (J)			0.11 (J)			<0.1
2/25/2020									
2/26/2020									
3/18/2020	<0.1				<0.1				
3/19/2020		0.074 (J)	<0.1			0.12 (J)	0.052 (J)	0.12 (J)	
3/20/2020									<0.1
3/23/2020				<0.1					
3/24/2020									
3/25/2020									
5/22/2020									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-10	BGWC-8	BGWC-17	BGWC-16	BGWC-7	BGWC-18
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)		<0.1		0.12	0.059 (J)		0.058 (J)
9/25/2020			<0.1					0.11	
9/28/2020									
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021	<0.1				<0.1				
2/17/2021		0.086 (J)							
2/18/2021				<0.1		0.1	0.064 (J)	0.13	<0.1
2/19/2021			<0.1						
2/23/2021									
3/8/2021									
3/23/2021									
3/24/2021		0.075 (J)	<0.1		<0.1	0.11	0.053 (J)		<0.1
3/25/2021									
3/26/2021	<0.1								
3/29/2021									
3/30/2021				<0.1				0.18	
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									
11/1/2021									
2/9/2022	<0.1								
2/10/2022		0.071 (J)			<0.1				
2/11/2022			<0.1	<0.1		0.1	0.056 (J)	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			0.081 (J)			0.13	0.091 (J)		0.081 (J)
7/28/2022				0.064 (J)				0.16	
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	0.055 (J)								
1/26/2023		0.09 (J)	0.083 (J)		0.063 (J)	0.13	0.091 (J)	0.15	0.056 (J)
1/27/2023				0.058 (J)					
1/30/2023									
1/31/2023									
2/1/2023									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-10	BGWC-8	BGWC-17	BGWC-16	BGWC-7	BGWC-18
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023			0.089 (J)		0.064 (J)				
8/17/2023		0.091 (J)		0.05 (J)		0.12	0.074 (J)	0.14	0.056 (J)
8/18/2023									
8/21/2023	<0.1								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		0.074 (J)	0.071 (J)	0.051 (J)	0.051 (J)	0.12	0.072 (J)		
2/2/2024								0.15	<0.1
2/5/2024									
2/6/2024									
2/8/2024	<0.1								
8/15/2024									
8/16/2024					0.066 (J)			0.17	
8/19/2024		0.1	0.088 (J)			0.14	0.1		0.081 (J)
8/20/2024				0.067 (J)					
8/21/2024	0.065 (J)								
8/22/2024									
2/4/2025									
2/5/2025		0.11	0.1		0.073 (J)				
2/6/2025				0.068 (J)			0.12	0.18	
2/7/2025						0.17			0.074 (J)
2/10/2025	0.094 (J)								
2/11/2025									
2/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-25	BGWC-22	BGWC-20	BGWC-19	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	<0.1	0.14 (J)	0.43	0.09 (J)	<0.1				
6/9/2016						0.12 (J)	<0.1		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016				0.04 (J)	0.2 (J)				
8/15/2016		0.08 (J)							
8/16/2016									
8/18/2016	0.09 (J)		0.3 (J)			0.08 (J)	0.24 (J)		
8/22/2016								0.04 (J)	
10/3/2016									
10/4/2016								0.06 (J)	
10/5/2016									
10/6/2016									
10/7/2016					0.07 (J)				
10/10/2016	0.04 (J)	0.1 (J)	0.32	0.06 (J)		0.09 (J)	0.3		
11/29/2016									
12/1/2016								0.08 (J)	
12/2/2016									
12/5/2016									
12/6/2016									
12/7/2016				0.07 (J)	0.09 (J)	0.08 (J)	0.05 (J)		
12/8/2016	0.08 (J)	0.06 (J)	0.26 (J)						
1/10/2017								0.03 (J)	
1/23/2017									0.06 (J)
2/7/2017									0.09 (J)
2/13/2017									
2/14/2017								<0.1	
2/15/2017									
2/16/2017					0.6				
2/17/2017	0.08 (J)		0.39	0.06 (J)					
2/20/2017		0.16 (J)				0.09 (J)	0.65		
3/27/2017									0.09 (J)
4/13/2017									
4/14/2017								0.01 (J)	
4/17/2017									0.36
4/18/2017									
4/19/2017	0.04 (J)			0.005 (J)	0.09 (J)	0.03 (J)	0.21 (J)		
4/20/2017		0.02 (J)	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)	0.04 (J)		0.65	0.05 (J)				
6/2/2017									
6/5/2017			0.29 (J)			<0.1	0.05 (J)		0.32
7/7/2017									
7/10/2017								0.06 (J)	
7/11/2017									0.13 (J)
7/12/2017									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-25	BGWC-22	BGWC-20	BGWC-19	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017					0.08 (J)				
7/17/2017		0.07 (J)				0.09 (J)	2.5		
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)		<0.1	0.11 (J)	0.09 (J)	1.8		
10/12/2017	0.12 (J)		0.31						
3/26/2018								<0.1	0.75
3/27/2018					<0.1				
3/28/2018	<0.1	<0.1		<0.1					
3/29/2018			0.58			<0.1	2		
6/12/2018								0.053 (J)	
6/13/2018				0.038 (J)		0.71	3.1		
6/14/2018	<0.1	<0.1	0.15 (J)						
6/15/2018					0.07 (J)				0.51
10/16/2018								<0.1	
10/17/2018									
10/18/2018									
10/19/2018	<0.1				0.17 (J)				
10/22/2018		<0.1	0.78	<0.1		0.81	3.1		0.44
2/25/2019									
2/27/2019				0.13 (J)				<0.1	
2/28/2019									
3/1/2019		0.12 (J)	0.34		0.14 (J)	0.38	1		0.24 (J)
4/1/2019								<0.1	
4/2/2019									0.68
4/3/2019	0.032 (J)		0.23 (J)	0.072 (J)	0.051 (J)	0.1 (J)	3		
4/4/2019		<0.1							
5/2/2019			1.4						
9/23/2019								<0.1	
9/24/2019									
9/25/2019									
9/26/2019				<0.1	<0.1				
9/27/2019			1			0.54			0.13 (J)
9/30/2019	0.066 (J)	0.065 (J)					1.2		
2/18/2020									
2/19/2020								<0.1	
2/20/2020									
2/21/2020									
2/24/2020				<0.1	0.05 (J)				
2/25/2020			0.24 (J)			0.066 (J)			
2/26/2020	<0.1	<0.1					0.064 (J)		0.057 (J)
3/18/2020								<0.1	
3/19/2020									
3/20/2020	<0.1		0.23 (J)		<0.1				
3/23/2020				<0.1		0.056 (J)			0.054 (J)
3/24/2020		<0.1							
3/25/2020							0.056 (J)		
5/22/2020									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-25	BGWC-22	BGWC-20	BGWC-19	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.1	
9/24/2020	<0.1		0.24			0.062 (J)			
9/25/2020							0.054 (J)		<0.1
9/28/2020		<0.1		<0.1	<0.1				
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021								<0.1	
2/17/2021									
2/18/2021				<0.1	<0.1				
2/19/2021	<0.1		0.2			<0.1	0.14		
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			0.053 (J)	0.054 (J)	0.095 (J)		
3/29/2021	<0.1		0.22	<0.1					
3/30/2021									
7/19/2021			0.24			0.065 (J)	0.13		
7/20/2021									<0.1
8/16/2021								<0.1	
8/18/2021									
8/19/2021		<0.1							<0.1
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		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		0.051 (J)		0.062 (J)	0.071 (J)				
7/28/2022	<0.1								
8/1/2022						0.07 (J)			0.09 (J)
8/2/2022			0.19				0.097 (J)		
10/21/2022							0.14		
1/24/2023								0.052 (J)	
1/26/2023									
1/27/2023	<0.1	0.053 (J)			0.077 (J)				
1/30/2023				0.064 (J)					
1/31/2023									
2/1/2023							0.18		0.092 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-25	BGWC-22	BGWC-20	BGWC-19	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
2/2/2023						0.074 (J)			
2/7/2023			0.26						
8/15/2023									
8/16/2023								0.06 (J)	
8/17/2023		<0.1							
8/18/2023				0.068 (J)	0.077 (J)				
8/21/2023									0.065 (J)
8/22/2023			0.23						
8/23/2023	<0.1					<0.1			
8/25/2023							0.15		
1/30/2024							0.13		
1/31/2024									
2/1/2024									
2/2/2024					0.069 (J)				
2/5/2024	<0.1	<0.1		0.056 (J)				<0.1	
2/6/2024									0.073 (J)
2/8/2024			0.19			0.059 (J)			
8/15/2024									
8/16/2024									
8/19/2024					<0.1				
8/20/2024		0.055 (J)		0.072 (J)					
8/21/2024			0.22				0.17	0.061 (J)	
8/22/2024	<0.1					<0.1			0.087 (J)
2/4/2025									
2/5/2025									
2/6/2025				0.077 (J)				0.06 (J)	
2/7/2025					0.083 (J)				
2/10/2025	0.078 (J)	0.066 (J)							0.091 (J)
2/11/2025						0.056 (J)	0.17		
2/13/2025			0.29						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
3/26/2018					
3/27/2018					
3/28/2018					
3/29/2018					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
2/25/2019					
2/27/2019					
2/28/2019					
3/1/2019					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/18/2020					
2/19/2020					
2/20/2020					
2/21/2020					
2/24/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
3/23/2020					
3/24/2020					
3/25/2020					
5/22/2020	0.065 (J)	0.054 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
5/25/2020			0.19 (J)		
6/23/2020	<0.1	<0.1	0.19		
7/28/2020	<0.1	<0.1	0.57		
9/2/2020	0.061 (J)	<0.1			
9/3/2020			0.11		
9/23/2020					
9/24/2020					
9/25/2020					
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	0.052 (J)	<0.1	<0.1		
1/20/2021	<0.1	<0.1	<0.1		
1/28/2021				0.17	0.1
2/16/2021					
2/17/2021		<0.1	<0.1		
2/18/2021	0.055 (J)				
2/19/2021					
2/23/2021				0.087 (J)	0.073 (J)
3/8/2021					
3/23/2021					
3/24/2021	<0.1				
3/25/2021		<0.1	<0.1		
3/26/2021					
3/29/2021					
3/30/2021				0.11	0.12
7/19/2021					
7/20/2021					
8/16/2021		<0.1	<0.1		
8/18/2021	<0.1				
8/19/2021					
8/20/2021					
8/23/2021				0.084 (J)	0.093 (J)
11/1/2021					
2/9/2022	<0.1	<0.1	0.065 (J)		
2/10/2022					
2/11/2022					
2/14/2022				0.13	0.1
2/15/2022					
2/16/2022					
7/26/2022	0.082 (J)	0.064 (J)	0.086 (J)		
7/27/2022					
7/28/2022					0.14
8/1/2022				0.16	
8/2/2022					
10/21/2022					
1/24/2023		0.05 (J)	0.076 (J)		
1/26/2023	0.084 (J)				
1/27/2023					
1/30/2023					
1/31/2023				0.15	0.14
2/1/2023					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
2/2/2023					
2/7/2023					
8/15/2023		0.06 (J)			
8/16/2023	0.076 (J)		0.075 (J)		
8/17/2023					
8/18/2023					
8/21/2023				0.14	
8/22/2023					0.098 (J)
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		0.05 (J)	0.082 (J)		
2/1/2024	0.066 (J)				
2/2/2024					
2/5/2024				0.13	0.085 (J)
2/6/2024					
2/8/2024					
8/15/2024		<0.1	0.064 (J)		
8/16/2024	0.082 (J)				
8/19/2024					
8/20/2024				0.18	0.14
8/21/2024					
8/22/2024					
2/4/2025		0.068 (J)	0.11		
2/5/2025	0.085 (J)				
2/6/2025				0.19	
2/7/2025					0.14
2/10/2025					
2/11/2025					
2/13/2025					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-18	BGWC-20
6/6/2016	7.69	7.46							
6/7/2016			7.41	6.99	7.56	7.49	7.55		
6/8/2016								6.93	7.45
6/9/2016									
8/9/2016	7.72								
8/10/2016							7.66		
8/11/2016		7.51	7.39	6.93					
8/12/2016					7.47			6.98	7.18
8/15/2016									
8/16/2016						7.51			
8/18/2016									
8/22/2016									
10/3/2016	7.74								
10/4/2016							7.57		
10/5/2016		7.37							
10/6/2016					7.26				
10/7/2016			7.33	6.79		7.58		6.91	
10/10/2016									6.66
11/29/2016	7.74								
12/1/2016									
12/2/2016							7.67		
12/5/2016		7.42			7.58				
12/6/2016			7.4	6.95		7.44		7.06	
12/7/2016									7.46
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			7.21	6.8		7.21		6.62	
2/17/2017									7.17
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					6.75	7.01
4/20/2017									
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								6.18	7.18
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			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-18	BGWC-20
7/13/2017					7.24				
7/14/2017			7.39	6.93				6.68	
7/17/2017									
7/18/2017									7.2
7/19/2017									
8/23/2017									
10/9/2017	7.8								
10/10/2017		7.28			7.46		7.72		
10/11/2017			7.3	6.78		7.37		7	7.1
10/12/2017									
3/26/2018	7.74						7.71		
3/27/2018		7.38	7.28	6.81		7.51		6.41	
3/28/2018					7.22				7.19
3/29/2018									
6/12/2018	7.88	7.51		7.01			7.71		
6/13/2018									7.24
6/14/2018			7.22		7.35	7.48		6.61	
6/15/2018									
10/16/2018	7.73						7.74		
10/17/2018		7.34	7.37		7.4				
10/18/2018				6.7		7.2		6.67	
10/19/2018									
10/22/2018									6.93
2/25/2019	7.78			6.74			7.75		
2/27/2019			7.38					6.58	7.26
2/28/2019					7.28	7.55			
3/1/2019									
4/1/2019	7.7	7.03			7.23		7.57		
4/2/2019			7.22	6.75		7.54		6.48	
4/3/2019									7.14
4/4/2019									
5/2/2019	7.71								
9/23/2019	7.58								
9/24/2019		7.14					7.53		
9/25/2019					7.1	7.37			
9/26/2019			7.32	6.7				6.99	7.1
9/27/2019									
9/30/2019									
2/18/2020	7.67								
2/19/2020							7.68		
2/20/2020		7.37		6.48		7.46			
2/21/2020									
2/24/2020			7.16		7.28			6.77	7.17
2/25/2020									
2/26/2020									
3/18/2020	7.65						7.73		
3/19/2020		7.35	7.14	6.6	7.18				
3/20/2020								6.35	
3/23/2020						7.51			7.14
3/24/2020									
3/25/2020									
5/22/2020									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-18	BGWC-20
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	7.32						7.67		
9/24/2020		7.34	7.2	6.66		7.54		7.05	
9/25/2020					7.1				
9/28/2020									7.26
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021	7.75						7.69		
2/17/2021		7.43							
2/18/2021			7.33	6.66		7.54		6.48	7.35
2/19/2021					7				
2/23/2021									
3/8/2021									
3/23/2021									
3/24/2021		7.26	7.27	6.7	7.04		7.65	6.48	
3/25/2021									
3/26/2021	7.63								
3/29/2021									7.24
3/30/2021						7.41			
7/19/2021									
7/20/2021									
8/16/2021	7.46								
8/18/2021		7.49		6.66	7.09	7.34	7.7		
8/19/2021			6.94					6.15	
8/20/2021									7.07
8/23/2021									
11/1/2021									
2/9/2022	7.36								
2/10/2022		7.28					7.59		
2/11/2022			7.27	6.57	7.18	7.58			
2/14/2022									
2/15/2022									
2/16/2022								6.37	7.31
7/26/2022	7.45	7.33					7.63		
7/27/2022			7.29	6.49	6.85			7.02	7.18
7/28/2022						7.63			
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	7.32								
1/26/2023		7.04	7.21	6.56	6.68		7.34	6.2	
1/27/2023						7.02			
1/30/2023									7.18
1/31/2023									
2/1/2023									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-18	BGWC-20
2/2/2023									
2/7/2023									
5/10/2023									
8/15/2023									
8/16/2023					6.7		7.36		
8/17/2023		6.79	6.9	6.22		7.18		6.23	
8/18/2023									6.84
8/21/2023	7.18								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		7.01	6.87	6.51	6.46	7.23	6.98		
2/2/2024								5.77	
2/5/2024									7.25
2/6/2024									
2/8/2024	7.01								
8/15/2024									
8/16/2024							7.28		
8/19/2024		6.86	7.26	6.48	6.95			6.74	
8/20/2024						7.18			7.12
8/21/2024	7.54								
8/22/2024									
2/4/2025									
2/5/2025		7.29			6.92		7.64		
2/6/2025				6.25		7.51			7.16
2/7/2025			7.11					6.59	
2/10/2025	7.54								
2/11/2025									
2/13/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-25	BGWC-19	BGWC-23	BGWC-24	BGWC-7	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	7.88	7.1	7.95	6.58					
6/9/2016					7.3	6.83			
8/9/2016									
8/10/2016									
8/11/2016							6.94		
8/12/2016				6.59					
8/15/2016			7.66						
8/16/2016									
8/18/2016	7.86	7.1			7.27	6.88			
8/22/2016								7.91	
10/3/2016									
10/4/2016								7.81	
10/5/2016									
10/6/2016							6.96		
10/7/2016				6.77					
10/10/2016	7.96	6.77	7.26		7.35	6.95			
11/29/2016									
12/1/2016								8.06	
12/2/2016									
12/5/2016									
12/6/2016							7.16		
12/7/2016				6.63	7.23	6.91			
12/8/2016	7.82	6.94	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				6.55					
2/17/2017	7.56	7.02							
2/20/2017			7.45		7.17	6.71			
3/27/2017									7.46
4/13/2017									
4/14/2017								7.86	
4/17/2017									7.19
4/18/2017							7.17		
4/19/2017	7.42			6.5	7.22	6.76			
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	7.61		7.65	6.27					
6/2/2017							7.17		
6/5/2017		7.07			7.31	6.87			7.69
7/7/2017									
7/10/2017								8.12	
7/11/2017									7.29
7/12/2017									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-25	BGWC-19	BGWC-23	BGWC-24	BGWC-7	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017				6.56			7.11		
7/17/2017			7.73		7.3	6.65			
7/18/2017	7.77								
7/19/2017		6.97							
8/23/2017									7.37
10/9/2017									
10/10/2017								8.13	7.34
10/11/2017			7.5	6.56	7.05	6.6	7.19		
10/12/2017	7.65	6.95							
3/26/2018								7.98	7.33
3/27/2018				6.52			7.13		
3/28/2018	7.69		7.39						
3/29/2018		6.96			7.06	6.7			
6/12/2018								8.09	
6/13/2018					7.19	6.58	6.95		
6/14/2018	7.7	6.92	7.35						
6/15/2018				6.5					7.35
10/16/2018								7.64	
10/17/2018									
10/18/2018							6.84		
10/19/2018	7.57			6.38					
10/22/2018		6.81	7.25		7.11	6.61			7.35
2/25/2019									
2/27/2019								8	
2/28/2019							7.05		
3/1/2019		6.9	7.5	6.7	7.16	6.57			7.32
4/1/2019								7.85	
4/2/2019							6.85		7.22
4/3/2019	7.69	6.77		6.58	7	6.57			
4/4/2019			7.38						
5/2/2019		6.92							
9/23/2019								7.98	
9/24/2019							6.92		
9/25/2019									
9/26/2019				6.55					
9/27/2019		6.79			7.02				7.2
9/30/2019	7.7		7.36			6.58			
2/18/2020									
2/19/2020								8.01	
2/20/2020									
2/21/2020							7.11		
2/24/2020				6.54					
2/25/2020		6.72			7.05				
2/26/2020	7.55		7.3			6.6			7.28
3/18/2020								8.12	
3/19/2020							7.1		
3/20/2020	7.69	6.75		6.56					
3/23/2020					6.93				7.28
3/24/2020			7.36						
3/25/2020						6.58			
5/22/2020									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-25	BGWC-19	BGWC-23	BGWC-24	BGWC-7	BGWA-29 (bg)	BGWC-30
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								8.08	
9/24/2020	7.78	6.82			7.09				
9/25/2020						6.56	7.07		7.34
9/28/2020			7.35	6.45					
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021								8	
2/17/2021									
2/18/2021				6.66			6.89		
2/19/2021	7.64	6.9			7.05	6.66			
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	6.61	6.91	6.54			
3/29/2021	7.75	6.71							
3/30/2021							7.05		
7/19/2021		6.67			6.93	6.53			
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	7.8			6.33					
8/23/2021		6.59			6.73	6.44			
11/1/2021		6.8			6.94	6.75			7.3
2/9/2022									
2/10/2022								8.09	
2/11/2022							7.04722		
2/14/2022					7.15				7.29
2/15/2022		6.89				6.66			
2/16/2022	7.9		7.3	6.57					
7/26/2022								7.92	
7/27/2022			7.22	6.55					
7/28/2022	7.85						6.96		
8/1/2022					7				7.21
8/2/2022		6.73				6.73			
10/21/2022						6.3			
1/24/2023								7.77	
1/26/2023							6.63		
1/27/2023	7.76		7.14	6.61					
1/30/2023									
1/31/2023									
2/1/2023						6.68			7.15

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-25	BGWC-19	BGWC-23	BGWC-24	BGWC-7	BGWA-29 (bg)	BGWC-30
2/2/2023					6.8				
2/7/2023		6.44							
5/10/2023					6.74				
8/15/2023									
8/16/2023								7.3	
8/17/2023			6.97				6.79		
8/18/2023				6.43					
8/21/2023									7
8/22/2023		6.4							
8/23/2023	6.96				6.69				
8/25/2023						6.36			
1/30/2024						6.26			
1/31/2024									
2/1/2024									
2/2/2024				6.29			6.89		
2/5/2024	6.9		7.2					7.62	
2/6/2024									6.75
2/8/2024		6.44			6.56				
8/15/2024									
8/16/2024							6.84		
8/19/2024				6.8					
8/20/2024			7.01						
8/21/2024		6.32				6.38		7.95	
8/22/2024	7.65				6.7				7.44
2/4/2025									
2/5/2025									
2/6/2025							7.03	8.13	
2/7/2025				6.72					
2/10/2025	7.68		7.47						7.37
2/11/2025					6.94	6.6			
2/13/2025		6.85							

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
3/26/2018					
3/27/2018					
3/28/2018					
3/29/2018					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
2/25/2019					
2/27/2019					
2/28/2019					
3/1/2019					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/18/2020					
2/19/2020					
2/20/2020					
2/21/2020					
2/24/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
3/23/2020					
3/24/2020					
3/25/2020					
5/22/2020	7.2	7.15			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
5/25/2020			7.45		
6/23/2020	7.42	7	7.46		
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					
9/28/2020					
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		
1/28/2021				6.81	7.01
2/16/2021					
2/17/2021		6.89	7.21		
2/18/2021	7.14				
2/19/2021					
2/23/2021				6.71	6.95
3/8/2021					
3/23/2021					
3/24/2021	7.04				
3/25/2021		6.94	7.22		
3/26/2021					
3/29/2021					
3/30/2021				6.64	6.82
7/19/2021					
7/20/2021					
8/16/2021		6.8	7.13		
8/18/2021	6.86				
8/19/2021					
8/20/2021					
8/23/2021				6.61	6.84
11/1/2021					
2/9/2022	7.01	6.86	7.16		
2/10/2022					
2/11/2022					
2/14/2022				7.11	7.57
2/15/2022					
2/16/2022					
7/26/2022	6.78	6.75	7.37		
7/27/2022					
7/28/2022					7.62
8/1/2022				6.96	
8/2/2022					
10/21/2022					
1/24/2023		6.72	7.32		
1/26/2023	6.91				
1/27/2023					
1/30/2023					
1/31/2023				6.87	7.56
2/1/2023					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
2/2/2023					
2/7/2023					
5/10/2023					
8/15/2023		6.62			
8/16/2023	6.56		6.94		
8/17/2023					
8/18/2023					
8/21/2023				6.79	
8/22/2023					7.13
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		6.69	7.38		
2/1/2024	6.85				
2/2/2024					
2/5/2024				6.93	7.21
2/6/2024					
2/8/2024					
8/15/2024		6.93	7.56		
8/16/2024	6.83				
8/19/2024					
8/20/2024				7.24	7.68
8/21/2024					
8/22/2024					
2/4/2025		6.95	7.55		
2/5/2025	6.89				
2/6/2025				7.39	
2/7/2025					7.6
2/10/2025					
2/11/2025					
2/13/2025					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
6/6/2016	8	100							
6/7/2016			240	99	190	26	120		
6/8/2016								410	530
6/9/2016									
8/9/2016	6.5								
8/10/2016						29			
8/11/2016		110	250				110	460	
8/12/2016					180				530
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			440	
10/7/2016			260	110			150		
10/10/2016									600
11/29/2016	5.2								
12/1/2016									
12/2/2016						37			
12/5/2016		130			130				
12/6/2016			280	110			130	470	
12/7/2016									580
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			510	
2/16/2017			380	110			120		
2/17/2017									710
2/20/2017									
3/27/2017									
4/13/2017	4.9								
4/14/2017						27			
4/17/2017		110							
4/18/2017			290	110	220			450	
4/19/2017							110		610
4/20/2017									
5/22/2017									
5/25/2017	5.7								
5/26/2017		110				34			
5/30/2017			260				110		
6/1/2017									550
6/2/2017				110	250			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 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
7/13/2017					250				
7/14/2017			260				110	230	
7/17/2017									
7/18/2017									590
7/19/2017									
8/23/2017									
10/9/2017	6.1								
10/10/2017		110			210	30			
10/11/2017			270	110			120	480	550
10/12/2017									
6/12/2018	8.3	80.6	246			35.2			
6/13/2018								419	541
6/14/2018				110	275		106		
6/15/2018									
10/16/2018	8.9					53			
10/17/2018		117			336		118		
10/18/2018			276	122				438	
10/19/2018									
10/22/2018									604
4/1/2019	10.8	81.4			239	30.5			
4/2/2019			272	105			86.9	334	
4/3/2019									593
4/4/2019									
5/2/2019	11.2								
9/23/2019	9								
9/24/2019		89				36.5		266	
9/25/2019				93.7	205				
9/26/2019			288				219		498
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	11.7					34.3			
3/19/2020		74.3	311		255		90.5	287	
3/20/2020									
3/23/2020				95.6					494
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	12.9					33.5			
9/24/2020		84.8	338	98.6			156		
9/25/2020					320			298	
9/28/2020									578
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		70.5	317		301	24.2	93.7		
3/25/2021									
3/26/2021	12.8								
3/29/2021									504
3/30/2021				104				290	
7/19/2021									
7/20/2021									
8/16/2021	12.7								
8/18/2021		71.7	297	97.9	326	34			
8/19/2021							91.7	237	
8/20/2021									550
8/23/2021									
11/1/2021									
2/9/2022	13.5								
2/10/2022		70				27.2			
2/11/2022			358	86.1	343		88.7	225	
2/14/2022									
2/15/2022									
2/16/2022									555
7/26/2022	13.2	88				31.6			
7/27/2022			496		419		118		617
7/28/2022				105				268	
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	12.5								
1/26/2023		63.6	490		463	24.3	110	253	
1/27/2023				97.3					
1/30/2023									622
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					398	21			
8/17/2023		87.3	453	95			116	207	
8/18/2023									612
8/21/2023	14.4								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		78	551	96.9	495	21.4	132		
2/2/2024								181	
2/5/2024									649
2/6/2024									
2/8/2024	13.8								

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-7	BGWC-20
8/15/2024									
8/16/2024						15.1		165	
8/19/2024		87	519		419		138		
8/20/2024				92.6					623
8/21/2024	14.3								
8/22/2024									
2/4/2025									
2/5/2025		80			456	11.6			
2/6/2025			455	89.8				147	573
2/7/2025							119		
2/10/2025	14.7								
2/11/2025									
2/13/2025									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	110	75	660	10	120				
6/9/2016						510	730		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016	110				81				
8/15/2016				10					
8/16/2016									
8/18/2016		66	730			480	580		
8/22/2016								4.2	
10/3/2016									
10/4/2016								6.4	
10/5/2016									
10/6/2016									
10/7/2016	150				140				
10/10/2016		57	650	10		460	520		
11/29/2016									
12/1/2016								7.8	
12/2/2016									
12/5/2016									
12/6/2016					160				
12/7/2016	97					490	370		
12/8/2016		68	660	13					
1/10/2017								4.5	
1/23/2017									410
2/7/2017									410
2/13/2017									
2/14/2017								5.1	
2/15/2017									
2/16/2017	130				92				
2/17/2017		57	740						
2/20/2017				24		520	610		
3/27/2017									410
4/13/2017									
4/14/2017								4.4	
4/17/2017									400
4/18/2017									
4/19/2017	140	52			80	490	600		
4/20/2017			990	26					
5/22/2017									460
5/25/2017								4.2	
5/26/2017									
5/30/2017									
6/1/2017	70	55		29	73				
6/2/2017									
6/5/2017			700			480	700		440
7/7/2017									
7/10/2017								3.5	
7/11/2017									420
7/12/2017									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017	110				78				
7/17/2017				25		510	670		
7/18/2017		50							
7/19/2017			720						
8/23/2017									390
10/9/2017									
10/10/2017								3.3	420
10/11/2017	93			12	83	510	510		
10/12/2017		48	780						
6/12/2018								6.8	
6/13/2018						586	689		
6/14/2018		48.1	738	10	74.6				
6/15/2018	78.3								174
10/16/2018								7.6	
10/17/2018									
10/18/2018					89.3				
10/19/2018	114	57.2							
10/22/2018			846	8.1		590	723		204
4/1/2019								5.2	
4/2/2019					70.1				153
4/3/2019	90.6	61.9	720			603	648		
4/4/2019				11.4					
5/2/2019			827						
9/23/2019								6.6	
9/24/2019									
9/25/2019									
9/26/2019	130				114				
9/27/2019			905			721			51.7
9/30/2019		54.5		10.7			758		
2/19/2020								1.6	
2/25/2020			472						
2/26/2020									42.6
3/18/2020								3.7	
3/19/2020									
3/20/2020	76.9	57.8	610		75.9				
3/23/2020						612			55.7
3/24/2020				18.8					
3/25/2020							603		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								5.3	
9/24/2020		57.8	864		69.9	676			
9/25/2020							613		53.6
9/28/2020	70.3			8.8					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								4.6	
3/24/2021					67.3				
3/25/2021									28.1
3/26/2021	66.8			21.3		679	515		
3/29/2021		55.2	772						
3/30/2021									
7/19/2021			506			335	194		
7/20/2021									37.2
8/16/2021								4.8	
8/18/2021									
8/19/2021				10.2	56.4				58.2
8/20/2021	47.5	54.6							
8/23/2021			848			628	527		
11/1/2021			690			410	225		65.5
2/9/2022									
2/10/2022								1.9	
2/11/2022									
2/14/2022						622			74.4
2/15/2022			789				473		
2/16/2022	79.6	48.7		13.7	61.5				
7/26/2022								3.6	
7/27/2022	82.7			12.6	55.5				
7/28/2022		55.3							
8/1/2022						528			63.3
8/2/2022			762				52.8		
10/21/2022							389		
1/24/2023								1.4	
1/26/2023					58.3				
1/27/2023	38.2	55.3		24.1					
1/30/2023									
1/31/2023									
2/1/2023							395		75.5
2/2/2023						514			
2/7/2023			707						
8/15/2023									
8/16/2023								3.8	
8/17/2023				20.2	60.8				
8/18/2023	66								
8/21/2023									54
8/22/2023			748						
8/23/2023		46.4				320			
8/25/2023							337		
1/30/2024							324		
1/31/2024									
2/1/2024									
2/2/2024	48.2				57.9				
2/5/2024		50.7		34.6				1.3	
2/6/2024									64.2
2/8/2024			549			368			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-21	BGWC-22	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024									
8/19/2024	<1				63				
8/20/2024				42					
8/21/2024			537				242	3.3	
8/22/2024		56.5				426			32.9
2/4/2025									
2/5/2025									
2/6/2025								2.2	
2/7/2025	91				62				
2/10/2025		51.6		42.4					29.4
2/11/2025						218	229		
2/13/2025			356						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	70.2	382	26.6		
11/10/2020	68.9	354	24.1		
12/15/2020	78	406	28.3		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	73.4	299	26.1		
1/28/2021				562	308
2/23/2021				536	320
3/23/2021					
3/24/2021		115			
3/25/2021	74.5		22		
3/26/2021					
3/29/2021					
3/30/2021				636	347
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				545	277
11/1/2021					
2/9/2022	72.7	130	19.1		
2/10/2022					
2/11/2022					
2/14/2022				114	64.1
2/15/2022					
2/16/2022					
7/26/2022	74.9	486	20.8		
7/27/2022					
7/28/2022					50.1
8/1/2022				94.4	
8/2/2022					
10/21/2022					
1/24/2023	67.2		22.4		
1/26/2023		213			
1/27/2023					
1/30/2023					
1/31/2023				135	77.2
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023	65.7				
8/16/2023		486	23		
8/17/2023					
8/18/2023					
8/21/2023				95	
8/22/2023					92.8
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024	69.1		54.2		
2/1/2024		483			
2/2/2024					
2/5/2024				60.5	52
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024	66.1		45.3		
8/16/2024		492			
8/19/2024					
8/20/2024				58.9	45.6
8/21/2024					
8/22/2024					
2/4/2025	65.4		44		
2/5/2025		440			
2/6/2025				58.8	
2/7/2025					64
2/10/2025					
2/11/2025					
2/13/2025					

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-10	BGWC-8	BGWC-12	BGWC-16	BGWC-19	BGWC-25
6/6/2016	170	320							
6/7/2016			360	300	200	510	580		
6/8/2016								340	170
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									161
8/16/2016				286					
8/18/2016									
8/22/2016									
10/3/2016	201								
10/4/2016					186				
10/5/2016		376							
10/6/2016						524			
10/7/2016			533	513			617	621	
10/10/2016									196
11/29/2016	109								
12/1/2016									
12/2/2016					183				
12/5/2016		426				489			
12/6/2016			413	421			730		
12/7/2016								269	
12/8/2016									209
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			434	433			685	488	
2/17/2017									
2/20/2017									251
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					396	
4/20/2017									324
5/22/2017									
5/25/2017	173								
5/26/2017		423			179				
5/30/2017			391				601		
6/1/2017								266	177
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: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-10	BGWC-8	BGWC-12	BGWC-16	BGWC-19	BGWC-25
7/13/2017						617			
7/14/2017			391				569	325	
7/17/2017									238
7/18/2017									
7/19/2017									
8/23/2017									
10/9/2017	150								
10/10/2017		376			178	534			
10/11/2017			403	343			588	287	199
10/12/2017									
6/12/2018	187	348			217		593		
6/13/2018									
6/14/2018			395	362		684			225
6/15/2018								280	
10/16/2018	192				247				
10/17/2018		377	446			739			
10/18/2018				355			578		
10/19/2018								321	
10/22/2018									218
4/1/2019	226	326			191	191			
4/2/2019			321	355			604		
4/3/2019								259	
4/4/2019									196
9/23/2019	186								
9/24/2019		325			193				
9/25/2019				388		690			
9/26/2019			550				688	428	
9/27/2019									
9/30/2019									220
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	191				193				
3/19/2020		306	324			662	631		
3/20/2020								243	
3/23/2020				355					
3/24/2020									213
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	237				187				
9/24/2020		322	481	356			732		
9/25/2020						740			
9/28/2020								243	223
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-10	BGWC-8	BGWC-12	BGWC-16	BGWC-19	BGWC-25
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		294	374		198	752	610		
3/25/2021									
3/26/2021	204							205	215
3/29/2021									
3/30/2021				321					
8/16/2021	217								
8/18/2021		307		366	220	798	658		
8/19/2021			384						235
8/20/2021								204	
8/23/2021									
2/9/2022	229								
2/10/2022		304			259				
2/11/2022			392	360		816	782		
2/14/2022									
2/15/2022									
2/16/2022								288	235
7/26/2022	215	349			196				
7/27/2022			438			952	944	338	231
7/28/2022				338					
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	223								
1/26/2023		301	396		190	995	895		
1/27/2023				380				200	310
1/30/2023									
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					189	1050			
8/17/2023		393	438	398			977		250
8/18/2023								318	
8/21/2023	243								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		339	445	391	202	1150	1090		
2/2/2024								237	
2/5/2024									279
2/6/2024									
2/8/2024	221								
8/15/2024									
8/16/2024					173				
8/19/2024		463	524			1090	1110	401	
8/20/2024				409					332

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-10	BGWC-8	BGWC-12	BGWC-16	BGWC-19	BGWC-25
8/21/2024	219								
8/22/2024									
2/4/2025									
2/5/2025		344			173	1130			
2/6/2025				402			1050		
2/7/2025			442					345	
2/10/2025	234								286
2/11/2025									
2/13/2025									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-7	BGWC-21	BGWC-22	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	1000	800	260	2000	390				
6/9/2016						1900	5200		
8/9/2016									
8/10/2016									
8/11/2016		852							
8/12/2016	1100				310				
8/15/2016									
8/16/2016									
8/18/2016			239	1960		1600	4200		
8/22/2016								121	
10/3/2016									
10/4/2016								95	
10/5/2016									
10/6/2016		906							
10/7/2016					823				
10/10/2016	1110		239	2130		1640	3850		
11/29/2016									
12/1/2016								121	
12/2/2016									
12/5/2016									
12/6/2016		976			560				
12/7/2016	1100					1770	2720		
12/8/2016			255	2200					
1/10/2017								115	
1/23/2017									2060
2/7/2017									1860
2/13/2017									
2/14/2017								345 (O)	
2/15/2017		968							
2/16/2017					364				
2/17/2017	1160		236	2200					
2/20/2017						1720	4200		
3/27/2017									2440
4/13/2017									
4/14/2017								119	
4/17/2017									2180
4/18/2017		944							
4/19/2017	1180		247		337	1800	4680		
4/20/2017				2330					
5/22/2017									2470
5/25/2017								109	
5/26/2017									
5/30/2017									
6/1/2017	1130		185		215				
6/2/2017		910							
6/5/2017				2530		2050	5660		2780
7/7/2017									
7/10/2017								140	
7/11/2017									2580
7/12/2017									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-7	BGWC-21	BGWC-22	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017		887			281				
7/17/2017						1810	5080		
7/18/2017	1160		219						
7/19/2017				2650					
8/23/2017									2400
10/9/2017									
10/10/2017								93	1990
10/11/2017	1050	887			334	1780	4920		
10/12/2017			245	2500					
6/12/2018								139	
6/13/2018	1060	873				2020	4180		
6/14/2018			231	2380	290				
6/15/2018									1190
10/16/2018								138	
10/17/2018									
10/18/2018		876			325				
10/19/2018			236						
10/22/2018	1150			2490		1880	4300		1070
4/1/2019								114	
4/2/2019		728			258				773
4/3/2019	1090		244	2180		1990	13 (J)		
4/4/2019									
9/23/2019								122	
9/24/2019		733							
9/25/2019									
9/26/2019	1210				470				
9/27/2019				3260		2540			629
9/30/2019			256				4430		
2/19/2020								113	
2/25/2020				1930					
2/26/2020									523
3/18/2020								108	
3/19/2020		733							
3/20/2020			253	2200	255				
3/23/2020	1220					2800			613
3/24/2020									
3/25/2020							4140		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								114	
9/24/2020			243	3490	310	3160			
9/25/2020		726					5020		482
9/28/2020	1060								
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-7	BGWC-21	BGWC-22	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/28/2021									
2/23/2021									
3/23/2021								108	
3/24/2021					240				
3/25/2021									358
3/26/2021						2690	3070		
3/29/2021	1100		198	2430					
3/30/2021		570							
8/16/2021								101	
8/18/2021									
8/19/2021		666			252				682
8/20/2021	1300		213						
8/23/2021				3660		3140	4300		
2/9/2022									
2/10/2022								96	
2/11/2022		618							
2/14/2022						3350			618
2/15/2022				3340			3890		
2/16/2022	1180		235		253				
7/26/2022								114	
7/27/2022	1370				307				
7/28/2022		732	259						
8/1/2022						2780			582
8/2/2022				3440			334		
10/21/2022							1610		
1/24/2023								129	
1/26/2023		657			197				
1/27/2023			342						
1/30/2023	1280								
1/31/2023									
2/1/2023							2550		745
2/2/2023						2680			
2/7/2023				2490					
8/15/2023									
8/16/2023								101	
8/17/2023		702			303				
8/18/2023	1490								
8/21/2023									611
8/22/2023				3940					
8/23/2023			268			1620			
8/25/2023							2120		
1/30/2024							2180		
1/31/2024									
2/1/2024									
2/2/2024		598			220				
2/5/2024	1490		267					111	
2/6/2024									511
2/8/2024				2560		1790			
8/15/2024									
8/16/2024		578							
8/19/2024					335				
8/20/2024	1620								

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-7	BGWC-21	BGWC-22	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/21/2024				2950			1440	105	
8/22/2024			249			2340			344
2/4/2025									
2/5/2025									
2/6/2025	1430	562						119	
2/7/2025					264				
2/10/2025			243						282
2/11/2025						1300	1500		
2/13/2025				1670					

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	384	824	301		
11/10/2020	405	800	305		
12/15/2020	385	876	289		
1/20/2021	377	786	285		

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
1/28/2021				1460	2950
2/23/2021				1590	2900
3/23/2021					
3/24/2021		445			
3/25/2021	415		331		
3/26/2021					
3/29/2021					
3/30/2021				1170	1980
8/16/2021	399		269		
8/18/2021		850			
8/19/2021					
8/20/2021					
8/23/2021				1960	3370
2/9/2022	403	468	290		
2/10/2022					
2/11/2022					
2/14/2022				321	632
2/15/2022					
2/16/2022					
7/26/2022	402	966	246		
7/27/2022					
7/28/2022				236	
8/1/2022					502
8/2/2022					
10/21/2022					
1/24/2023	391		280		
1/26/2023		554			
1/27/2023					
1/30/2023					
1/31/2023				286	664
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023	399				
8/16/2023		1090	267		
8/17/2023					
8/18/2023					
8/21/2023					704
8/22/2023				468	
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024	411		324		
2/1/2024		1040			
2/2/2024					
2/5/2024				268	335
2/6/2024					
2/8/2024					
8/15/2024	388		299		
8/16/2024		1070			
8/19/2024					
8/20/2024				227	367

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/3/2025 11:47 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
8/21/2024					
8/22/2024					
2/4/2025	406		324		
2/5/2025		984			
2/6/2025					321
2/7/2025				282	
2/10/2025					
2/11/2025					
2/13/2025					

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	BGWC-7	-0.1544	-215	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.02433	-122	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.07023	193	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1667	73	63	Yes	17	0	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.04919	-116	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.05685	-173	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.03852	-111	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.257	168	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.255	201	131	Yes	28	0	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.104	147	118	Yes	26	0	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.007284	154	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-2.607	-204	-124	Yes	27	0	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-6.453	-49	-34	Yes	11	0	n/a	0.01	NP
Boron (mg/L)	BGWC-52	-2.521	-42	-34	Yes	11	0	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.619	207	111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-2.602	-113	-105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	15.15	250	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	16.03	74	63	Yes	17	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	11.57	186	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.46	213	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	44.04	213	131	Yes	28	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	43.33	129	118	Yes	26	0	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-65.97	-131	-124	Yes	27	0	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1025	-198	-111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3414	-102	-63	Yes	17	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-3.585	-151	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.164	201	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-4.165	-257	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.286	-211	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	40.77	135	131	Yes	28	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-188.7	-197	-124	Yes	27	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-25	0.5011	142	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-103.3	-225	-124	Yes	27	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-204.9	-49	-34	Yes	11	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-52	-123.1	-41	-34	Yes	11	0	n/a	0.01	NP
pH, Field (SU)	BGWA-2 (bg)	-0.05116	-204	-139	Yes	29	0	n/a	0.01	NP
pH, Field (SU)	BGWA-47D (bg)	-0.08757	-84	-68	Yes	18	0	n/a	0.01	NP
pH, Field (SU)	BGWC-16	-0.06475	-271	-131	Yes	28	0	n/a	0.01	NP
pH, Field (SU)	BGWC-24	-0.04776	-237	-152	Yes	31	0	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.123	227	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.4115	-118	-111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.89	-185	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-4.789	-143	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-2.013	-145	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	32.65	211	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	24.68	185	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-9.196	-146	-105	Yes	24	4.167	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-50.36	-161	-124	Yes	27	0	n/a	0.01	NP
TDS (mg/L)	BGWA-2 (bg)	7.06	146	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-7	-42.71	-192	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-12	71.55	206	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-14A	75.9	66	63	Yes	17	0	n/a	0.01	NP
TDS (mg/L)	BGWC-16	47.47	168	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-20	42.78	157	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	BGWC-22	124.6	112	111	Yes	25	0	n/a	0.01	NP
TDS (mg/L)	BGWC-24	-367.8	-134	-111	Yes	25	0	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	0.0002813	29	111	No	25	12	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	27	111	No	25	60	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.001047	-30	-63	No	17	0	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	-0.0004141	-7	-63	No	17	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-7**	**-0.1544**	**-215**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-9**	**-0.02433**	**-122**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-10	0.002345	45	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-12**	**0.07023**	**193**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-14A**	**0.1667**	**73**	**63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-16	0.04948	68	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-17**	**-0.04919**	**-116**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-18**	**-0.05685**	**-173**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-19**	**-0.03852**	**-111**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-20**	**0.257**	**168**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-22**	**1.255**	**201**	**131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-23**	**1.104**	**147**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-24	-1.841	-116	-124	No	27	0	n/a	0.01	NP
Boron (mg/L)	**BGWC-25**	**0.007284**	**154**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-30**	**-2.607**	**-204**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-51**	**-6.453**	**-49**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-52**	**-2.521**	**-42**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWA-2 (bg)**	**2.619**	**207**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWA-29 (bg)	0.07721	34	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	0.4614	8	63	No	17	0	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-1.134	-14	-63	No	17	0	n/a	0.01	NP
Calcium (mg/L)	**BGWC-7**	**-2.602**	**-113**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-12**	**15.15**	**250**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-14A**	**16.03**	**74**	**63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-16**	**11.57**	**186**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-20**	**14.46**	**213**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-22**	**44.04**	**213**	**131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-23**	**43.33**	**129**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-24**	**-65.97**	**-131**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-2 (bg)	0.109	85	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.1025**	**-198**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3414**	**-102**	**-63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-48D (bg)	0.07893	8	63	No	17	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-9**	**-3.585**	**-151**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-10**	**1.164**	**201**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-12**	**-4.165**	**-257**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-14A	-0.4289	-16	-63	No	17	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-16**	**-3.286**	**-211**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-17	0.3585	32	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	0.6358	47	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-22**	**40.77**	**135**	**131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-23	42.71	93	118	No	26	0	n/a	0.01	NP
Chloride (mg/L)	**BGWC-24**	**-188.7**	**-197**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-25**	**0.5011**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-30**	**-103.3**	**-225**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-51**	**-204.9**	**-49**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-52**	**-123.1**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-2 (bg)**	**-0.05116**	**-204**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-29 (bg)	-0.006436	-25	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**BGWA-47D (bg)**	**-0.08757**	**-84**	**-68**	**Yes**	**18**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-48D (bg)	-0.04305	-22	-68	No	18	0	n/a	0.01	NP
pH, Field (SU)	**BGWC-16**	**-0.06475**	**-271**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

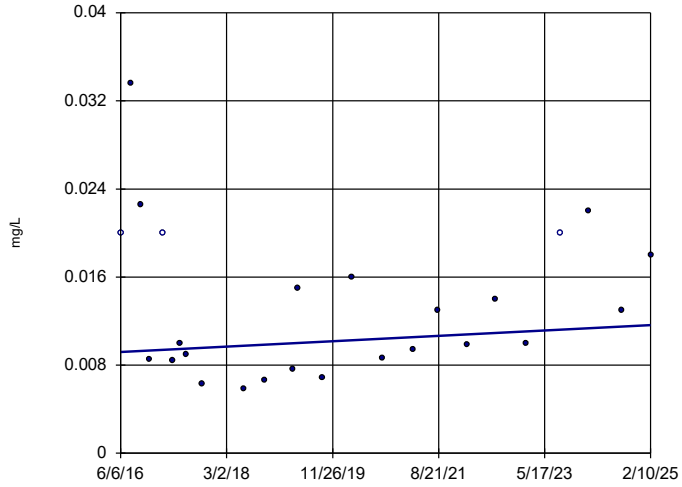
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
pH, Field (SU)	BGWC-18	-0.07076	-125	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**BGWC-24**	**-0.04776**	**-237**	**-152**	**Yes**	**31**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.123**	**227**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.4115**	**-118**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWA-47D (bg)	0.247	9	63	No	17	0	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-0.1245	0	63	No	17	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-7**	**-36.89**	**-185**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-9**	**-4.789**	**-143**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-10**	**-2.013**	**-145**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-12**	**32.65**	**211**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-14A	44.42	61	63	No	17	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-16**	**24.68**	**185**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-17	-0.1203	-16	-105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-19**	**-9.196**	**-146**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-20	4.095	54	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	-11.25	-38	-131	No	28	0	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	-1.008	-6	-118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-24**	**-50.36**	**-161**	**-124**	**Yes**	**27**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWA-2 (bg)**	**7.06**	**146**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWA-29 (bg)	-1.327	-55	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	BGWA-47D (bg)	4.111	39	63	No	17	0	n/a	0.01	NP
TDS (mg/L)	BGWA-48D (bg)	5.434	24	63	No	17	0	n/a	0.01	NP
TDS (mg/L)	**BGWC-7**	**-42.71**	**-192**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-12**	**71.55**	**206**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-14A**	**75.9**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-16**	**47.47**	**168**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-17	5.434	58	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**BGWC-20**	**42.78**	**157**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-22**	**124.6**	**112**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-23	132.5	84	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**BGWC-24**	**-367.8**	**-134**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 25

Slope = 0.0002813 units per year.

Mann-Kendall statistic = 29
critical = 111

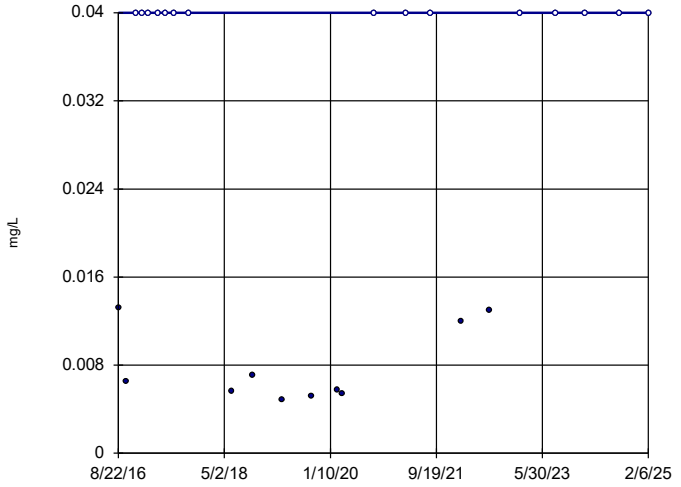
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 27
critical = 111

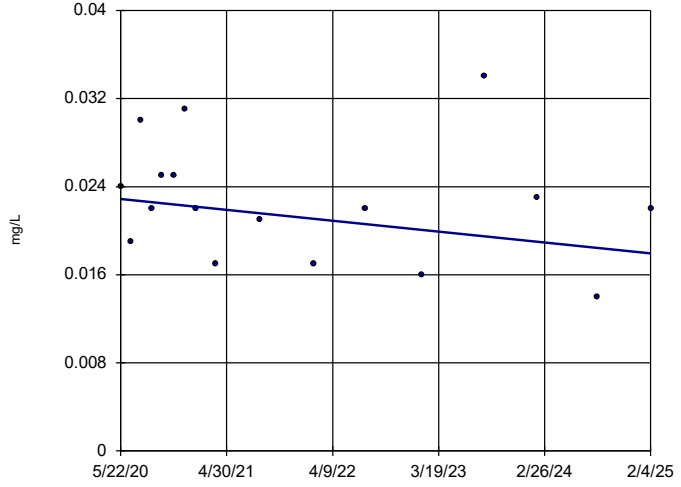
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 17

Slope = -0.001047 units per year.

Mann-Kendall statistic = -30
critical = -63

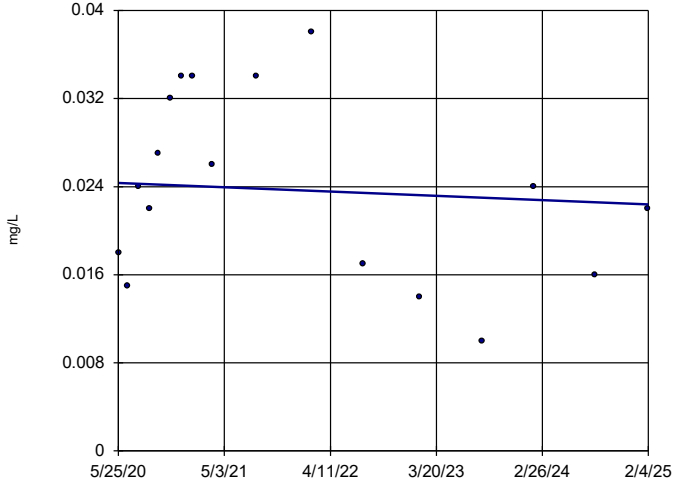
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 17

Slope = -0.0004141 units per year.

Mann-Kendall statistic = -7
critical = -63

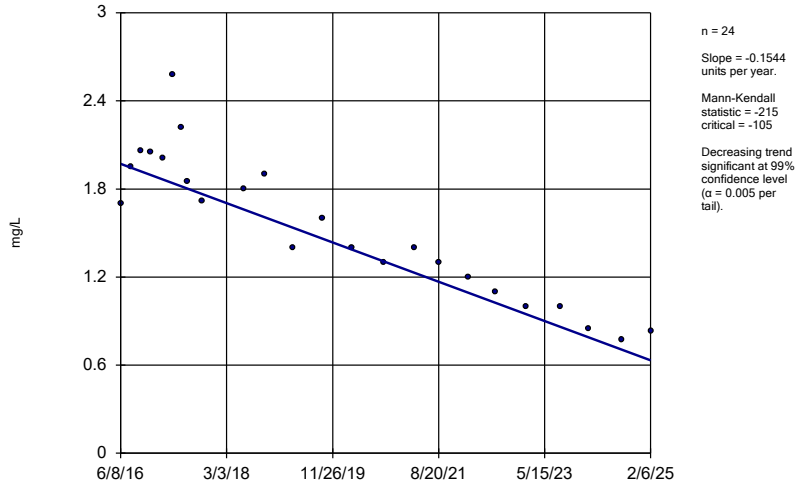
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 24

Slope = -0.1544 units per year.

Mann-Kendall statistic = -215 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

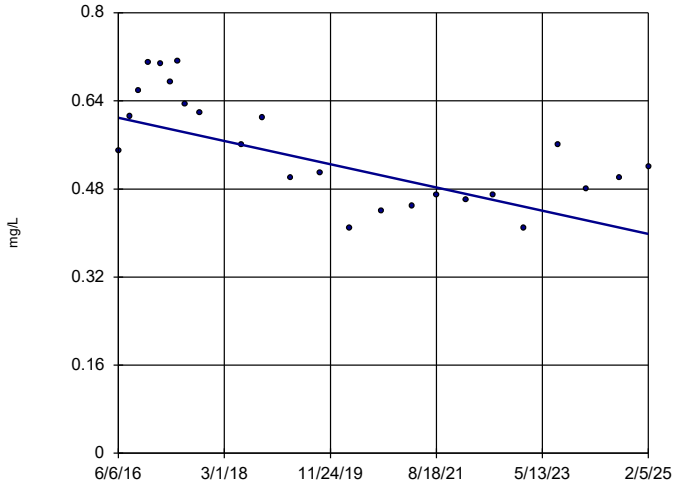
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-9



n = 24

Slope = -0.02433 units per year.

Mann-Kendall statistic = -122 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

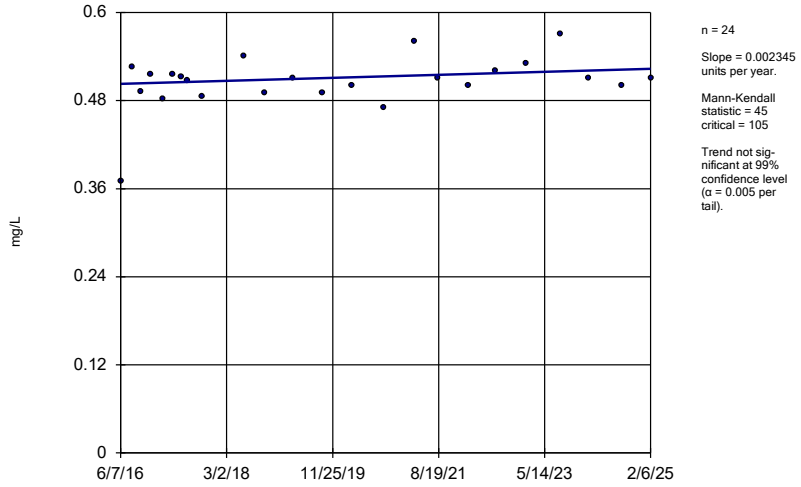
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 24

Slope = 0.002345 units per year.

Mann-Kendall statistic = 45 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

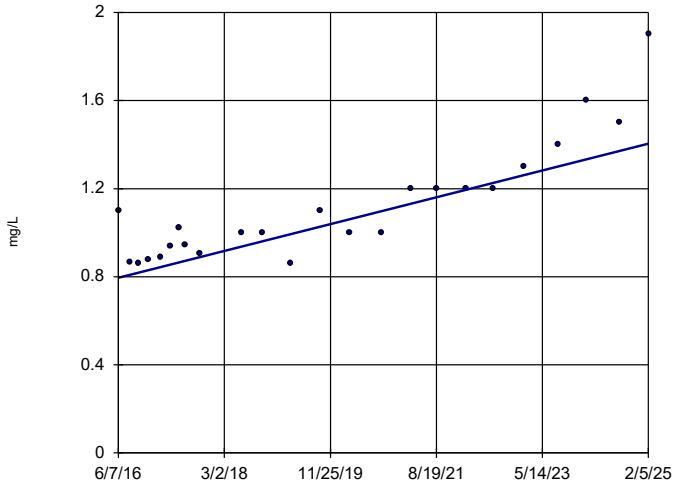
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 24

Slope = 0.07023 units per year.

Mann-Kendall statistic = 193 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

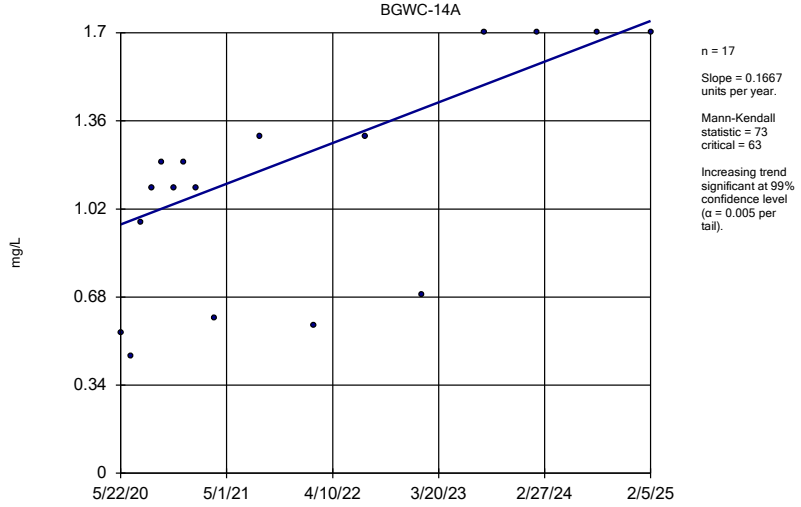
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 17

Slope = 0.1667 units per year.

Mann-Kendall statistic = 73
critical = 63

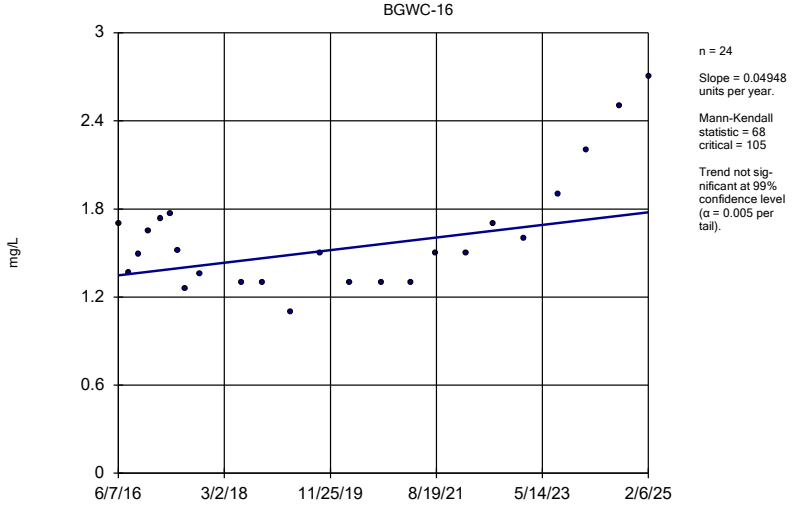
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 24

Slope = 0.04948 units per year.

Mann-Kendall statistic = 68
critical = 105

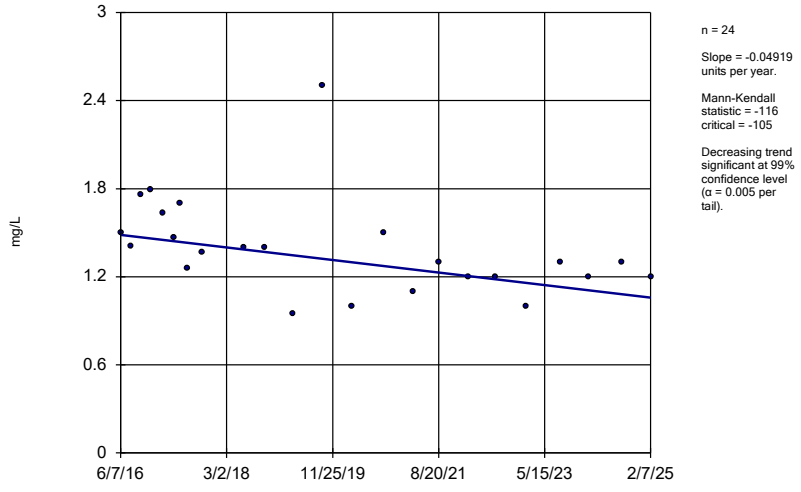
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 24

Slope = -0.04919 units per year.

Mann-Kendall statistic = -116
critical = -105

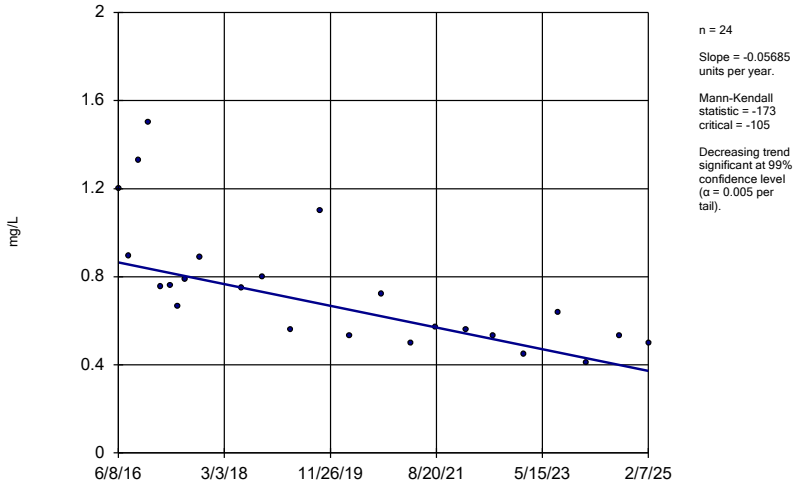
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-18



n = 24

Slope = -0.05685 units per year.

Mann-Kendall statistic = -173
critical = -105

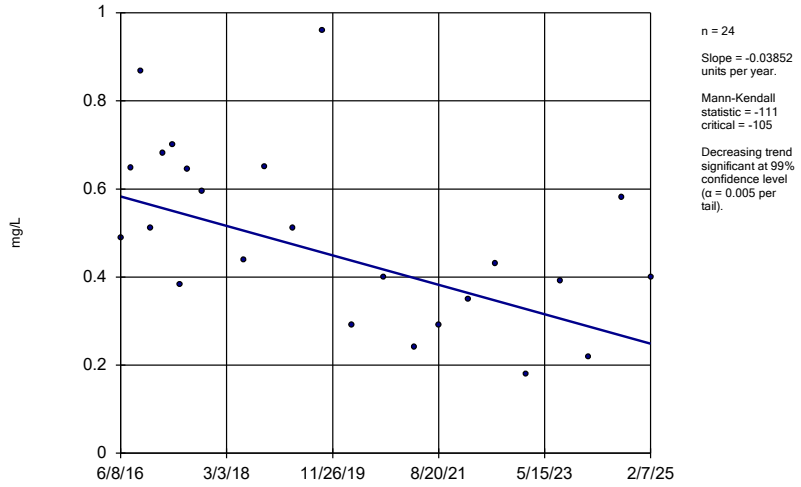
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-19



n = 24

Slope = -0.03852 units per year.

Mann-Kendall statistic = -111 critical = -105

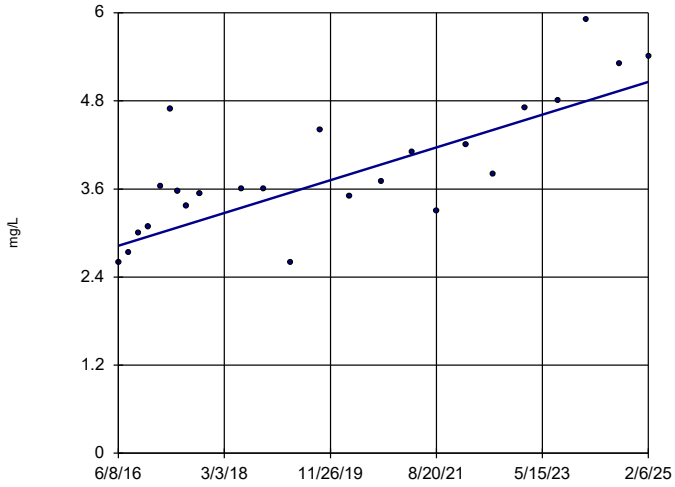
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 24

Slope = 0.257 units per year.

Mann-Kendall statistic = 168 critical = 105

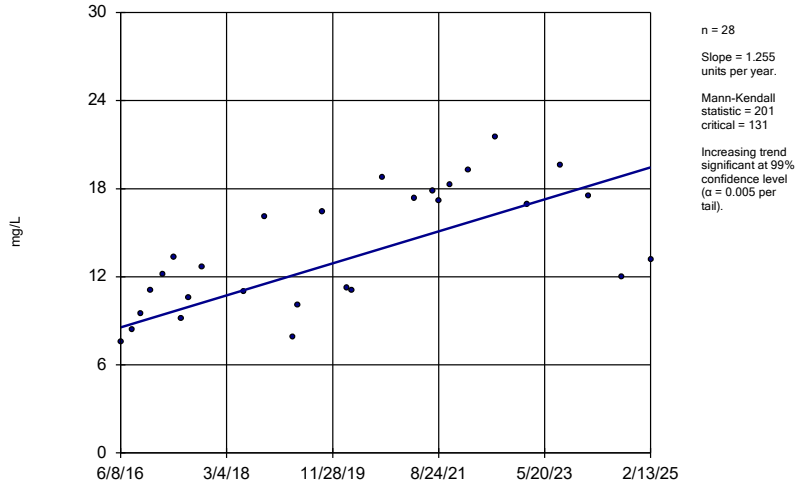
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 28

Slope = 1.255 units per year.

Mann-Kendall statistic = 201 critical = 131

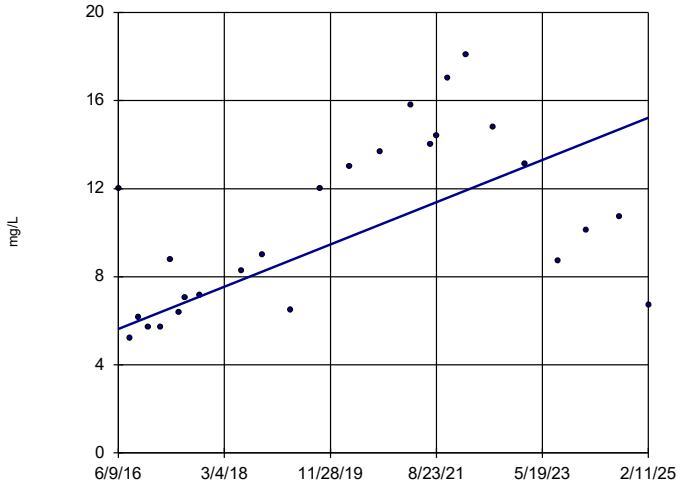
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 26

Slope = 1.104 units per year.

Mann-Kendall statistic = 147 critical = 118

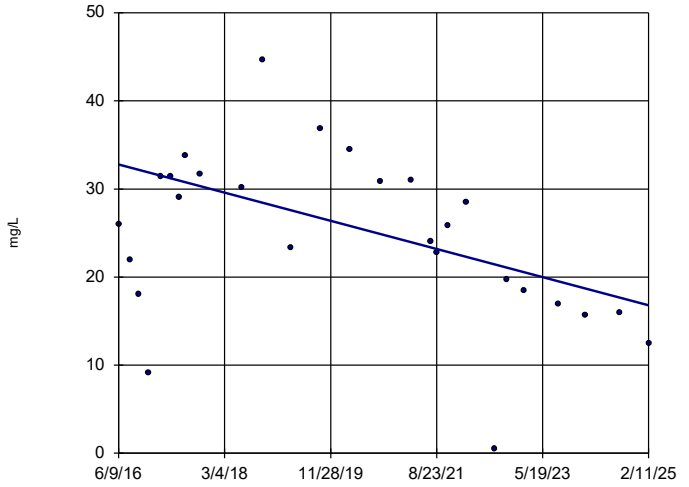
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 27

Slope = -1.841 units per year.

Mann-Kendall statistic = -116
critical = -124

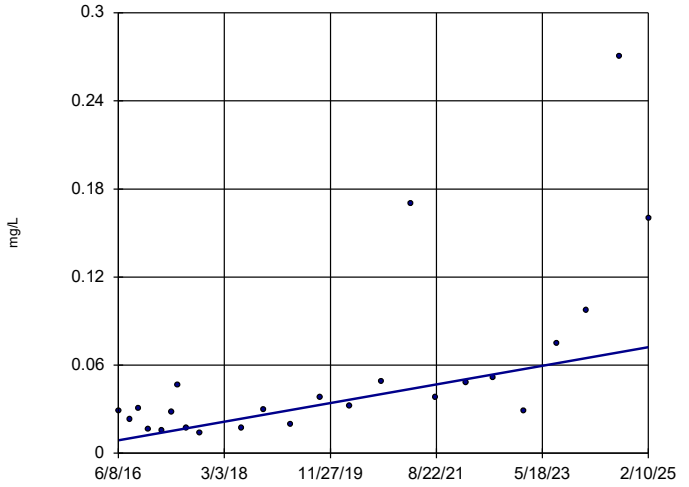
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-25



n = 24

Slope = 0.007284 units per year.

Mann-Kendall statistic = 154
critical = 105

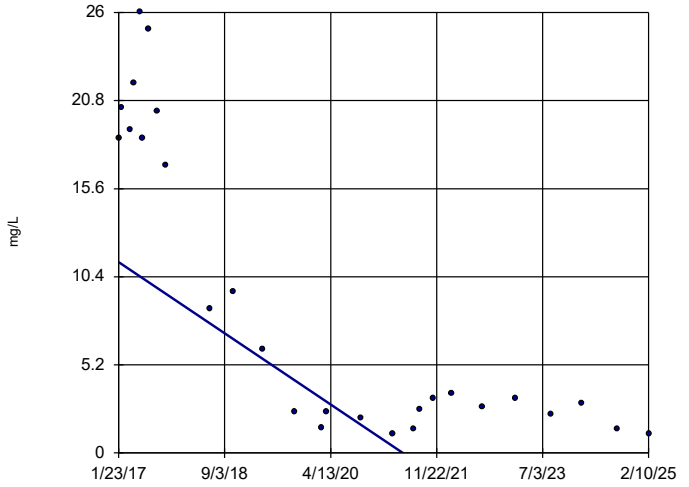
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-30



n = 27

Slope = -2.607 units per year.

Mann-Kendall statistic = -204
critical = -124

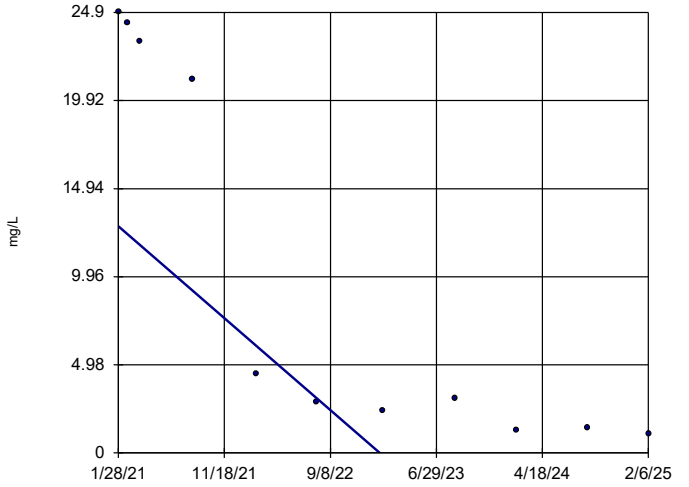
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-51



n = 11

Slope = -6.453 units per year.

Mann-Kendall statistic = -49
critical = -34

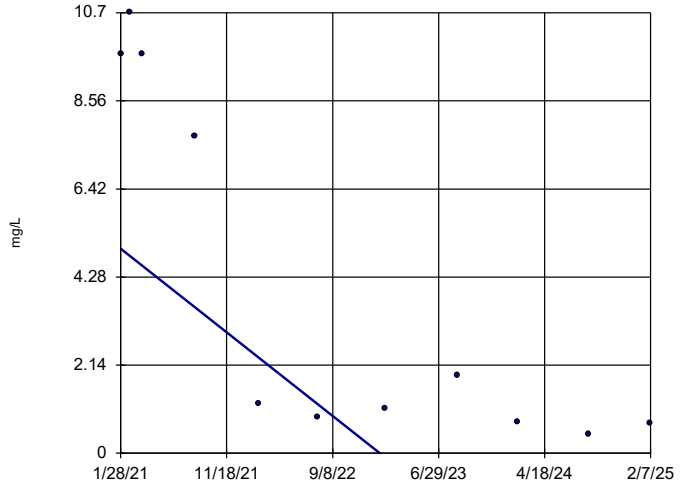
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-52



n = 11

Slope = -2.521 units per year.

Mann-Kendall statistic = -42 critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

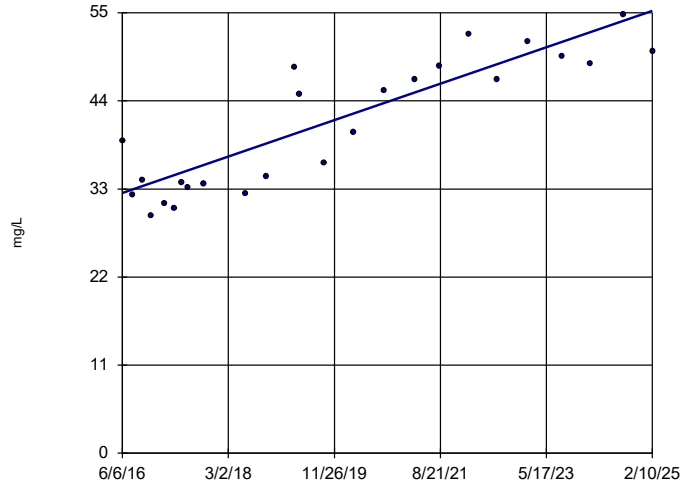
Constituent: Boron Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 25

Slope = 2.619 units per year.

Mann-Kendall statistic = 207 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

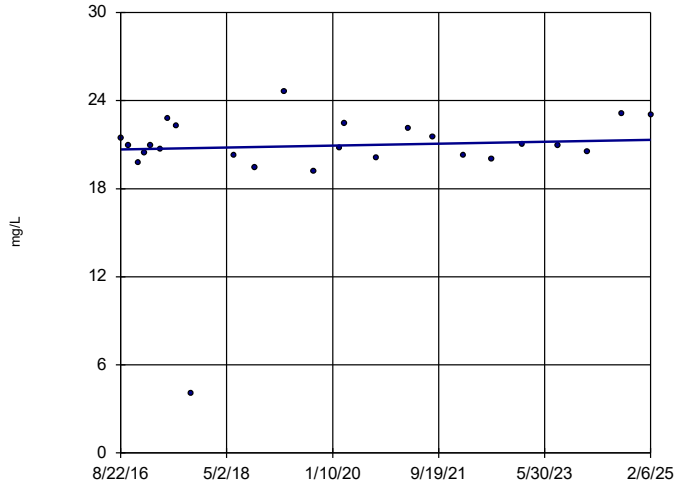
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 25

Slope = 0.07721 units per year.

Mann-Kendall statistic = 34 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

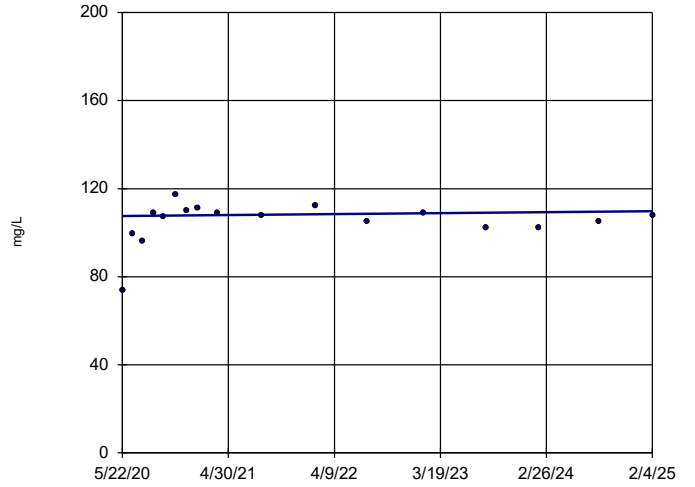
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 17

Slope = 0.4614 units per year.

Mann-Kendall statistic = 8 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

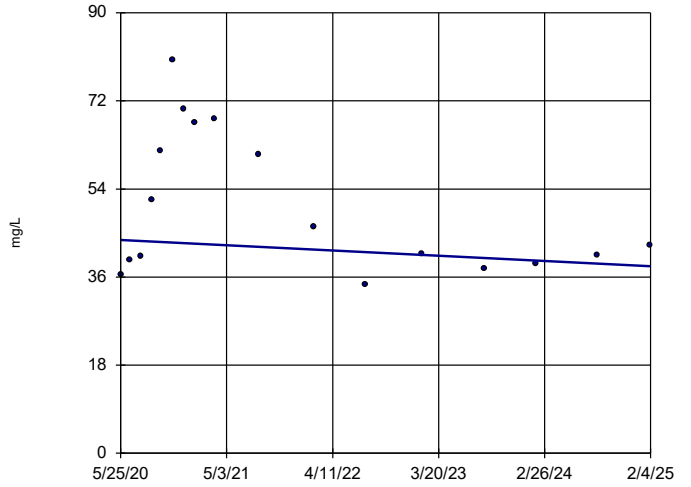
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 17

Slope = -1.134 units per year.

Mann-Kendall statistic = -14
critical = -63

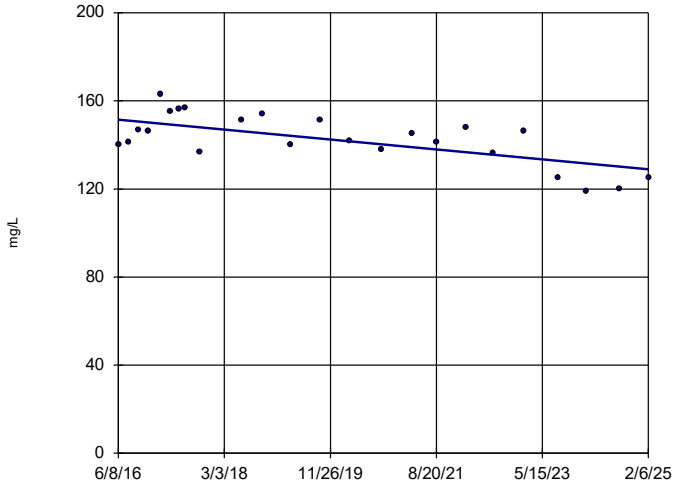
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 24

Slope = -2.602 units per year.

Mann-Kendall statistic = -113
critical = -105

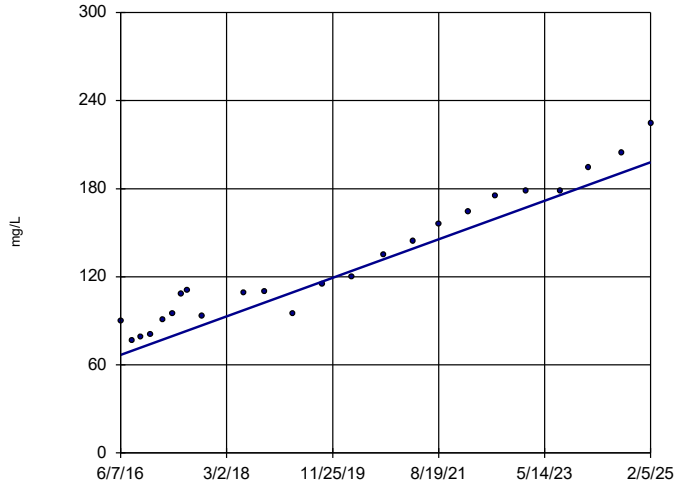
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 24

Slope = 15.15 units per year.

Mann-Kendall statistic = 250
critical = 105

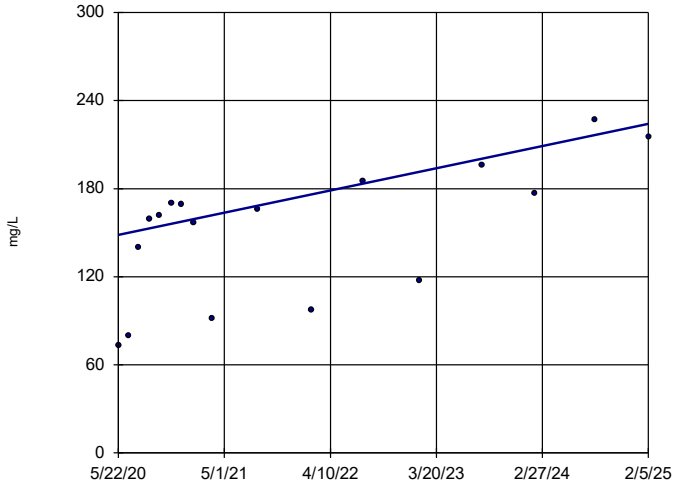
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 17

Slope = 16.03 units per year.

Mann-Kendall statistic = 74
critical = 63

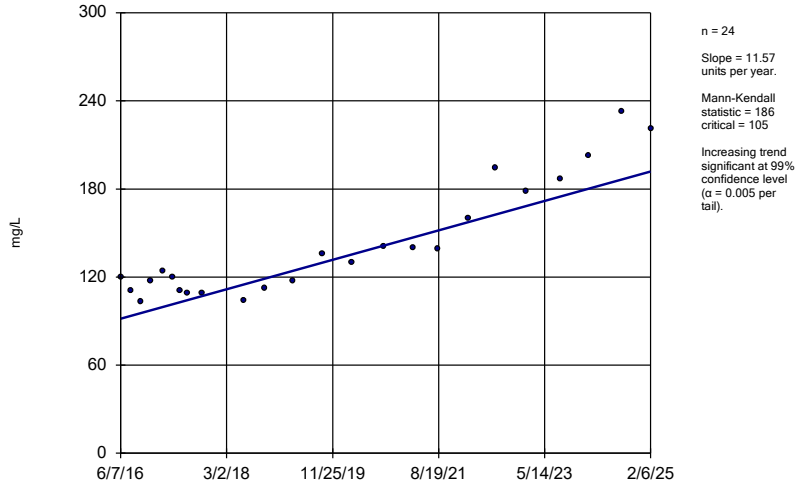
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 24

Slope = 11.57 units per year.

Mann-Kendall statistic = 186 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

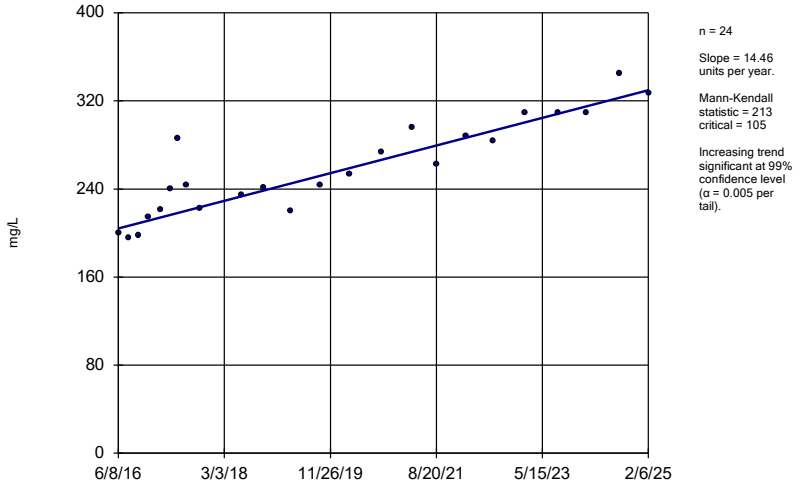
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 24

Slope = 14.46 units per year.

Mann-Kendall statistic = 213 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

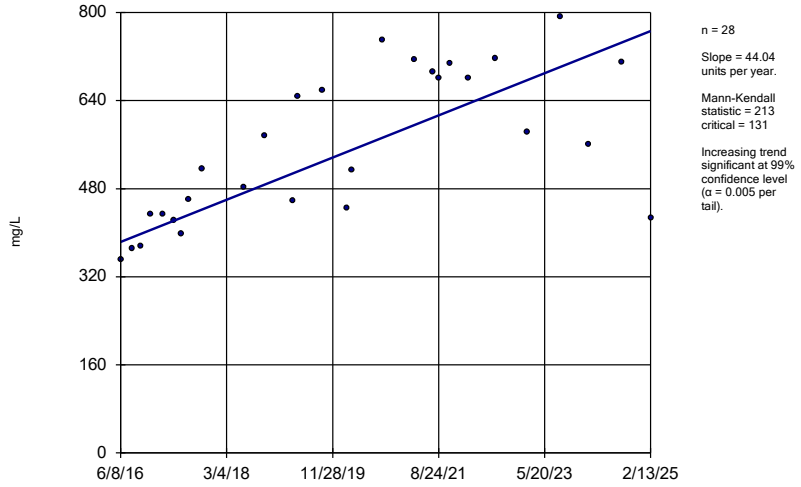
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 28

Slope = 44.04 units per year.

Mann-Kendall statistic = 213 critical = 131

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

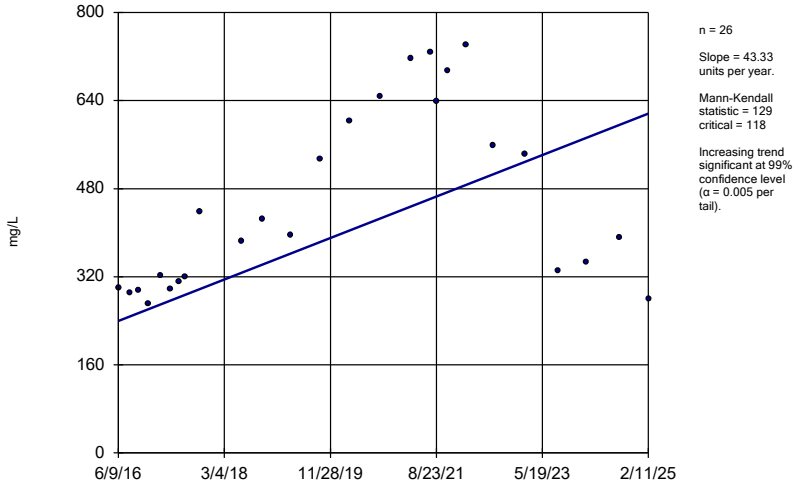
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 26

Slope = 43.33 units per year.

Mann-Kendall statistic = 129 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

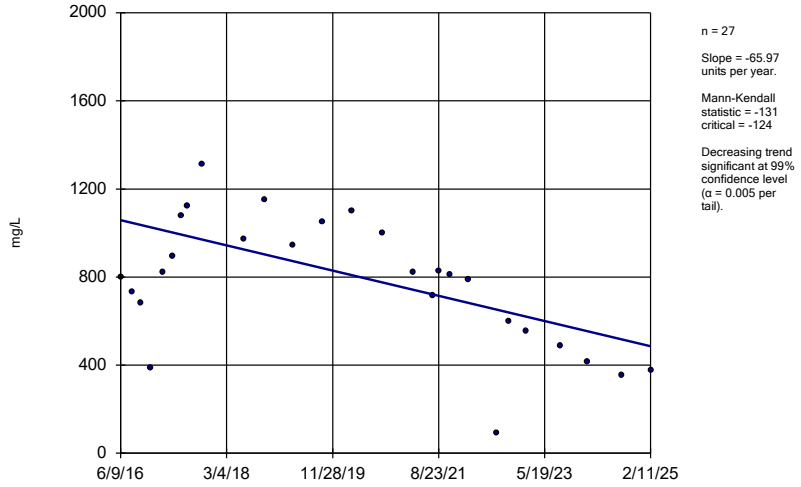
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 27

Slope = -65.97 units per year.

Mann-Kendall statistic = -131 critical = -124

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

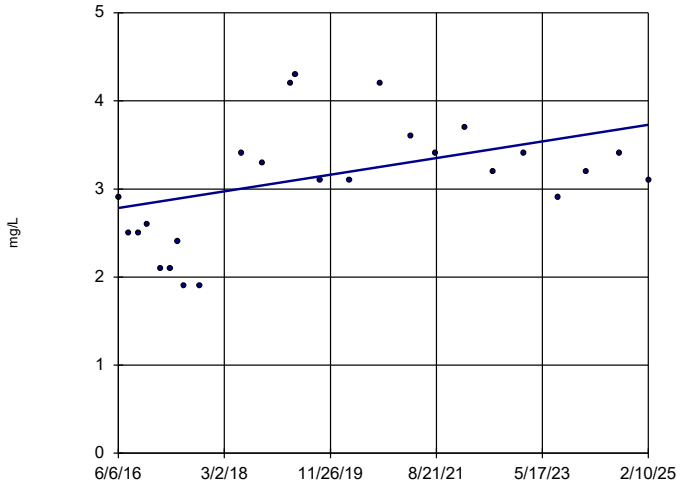
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 25

Slope = 0.109 units per year.

Mann-Kendall statistic = 85 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

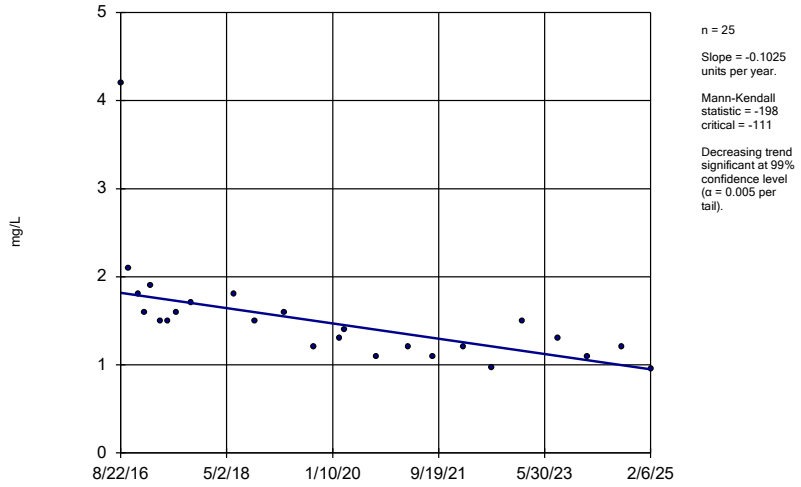
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 25

Slope = -0.1025 units per year.

Mann-Kendall statistic = -198 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

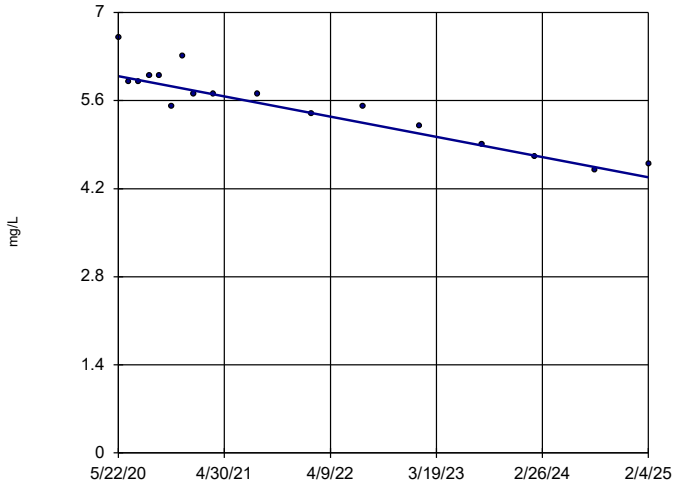
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 17

Slope = -0.3414 units per year.

Mann-Kendall statistic = -102 critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

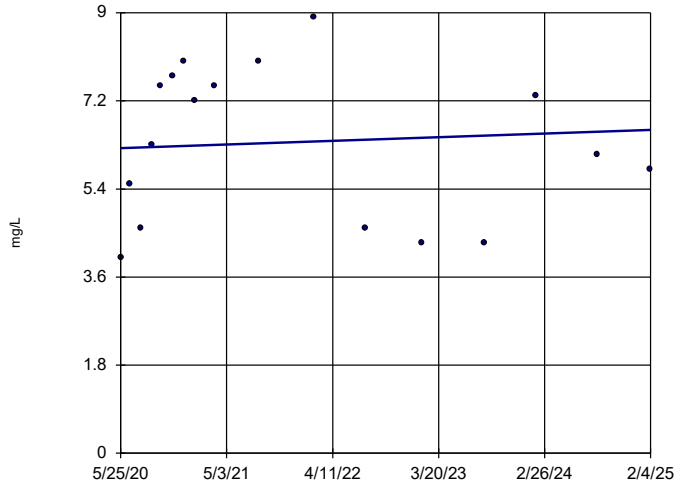
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 17

Slope = 0.07893 units per year.

Mann-Kendall statistic = 8
critical = 63

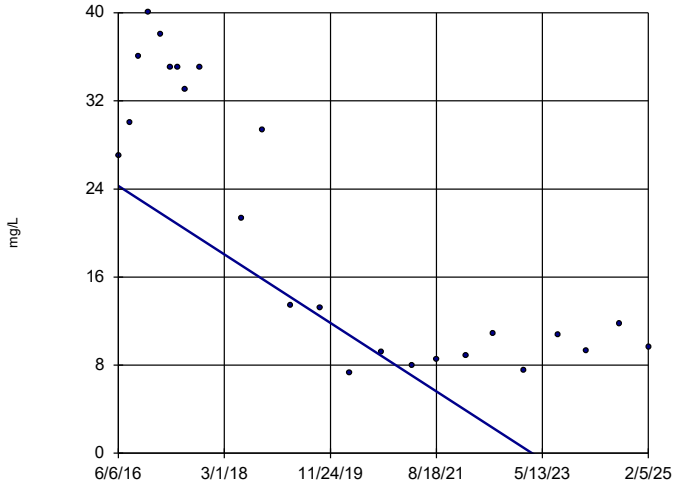
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-9



n = 24

Slope = -3.585 units per year.

Mann-Kendall statistic = -151
critical = -105

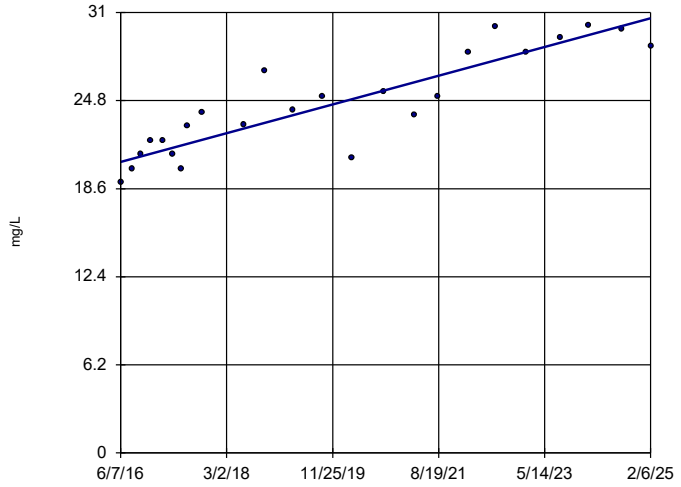
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 24

Slope = 1.164 units per year.

Mann-Kendall statistic = 201
critical = 105

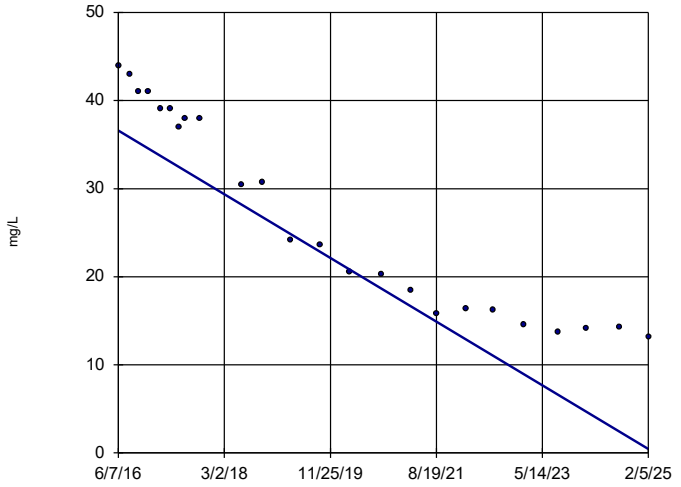
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 24

Slope = -4.165 units per year.

Mann-Kendall statistic = -257
critical = -105

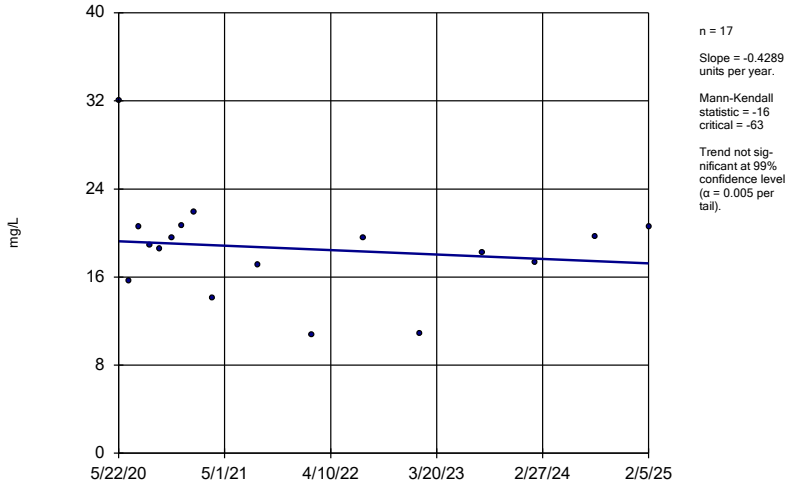
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 17

Slope = -0.4289 units per year.

Mann-Kendall statistic = -16 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

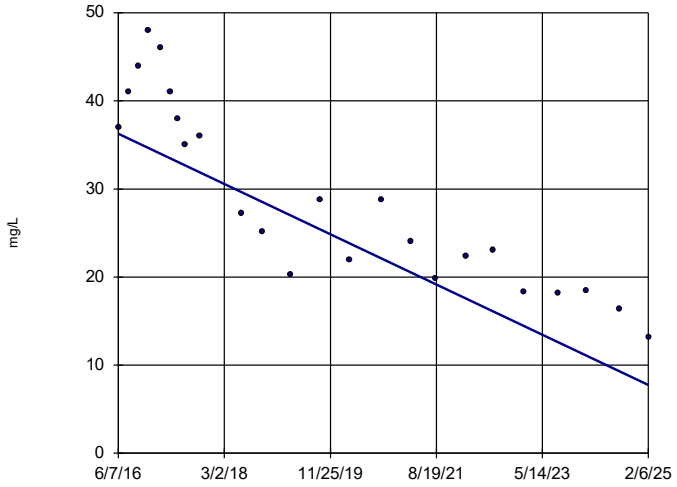
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 24

Slope = -3.286 units per year.

Mann-Kendall statistic = -211 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

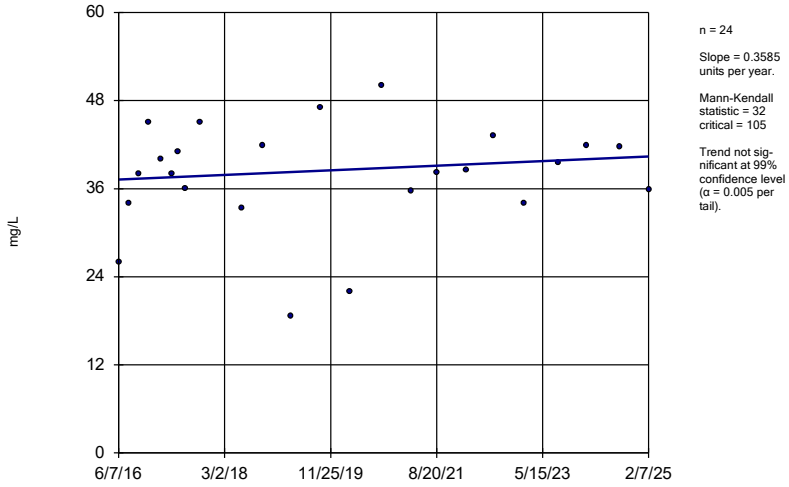
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 24

Slope = 0.3585 units per year.

Mann-Kendall statistic = 32 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

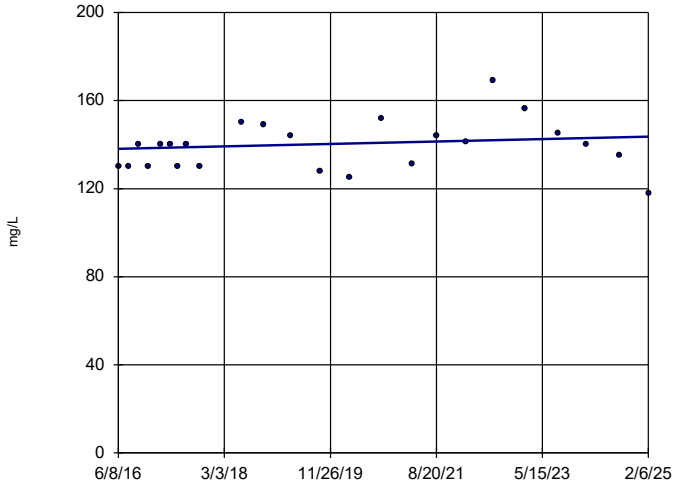
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 24

Slope = 0.6358 units per year.

Mann-Kendall statistic = 47 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

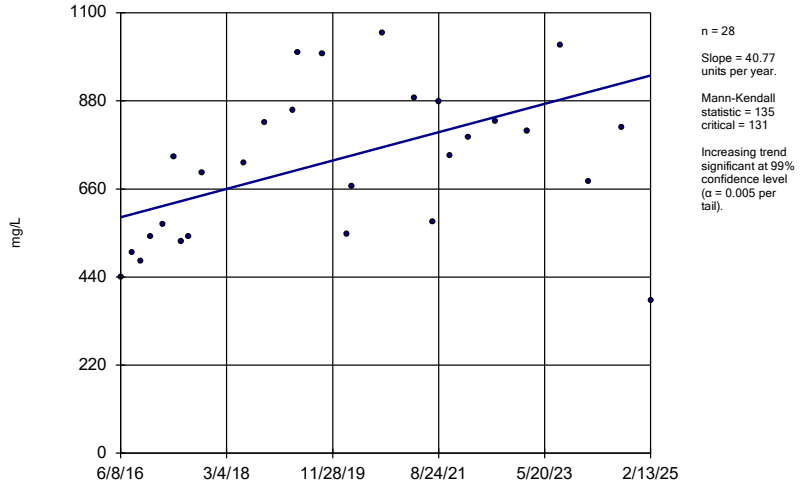
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 28

Slope = 40.77 units per year.

Mann-Kendall statistic = 135 critical = 131

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

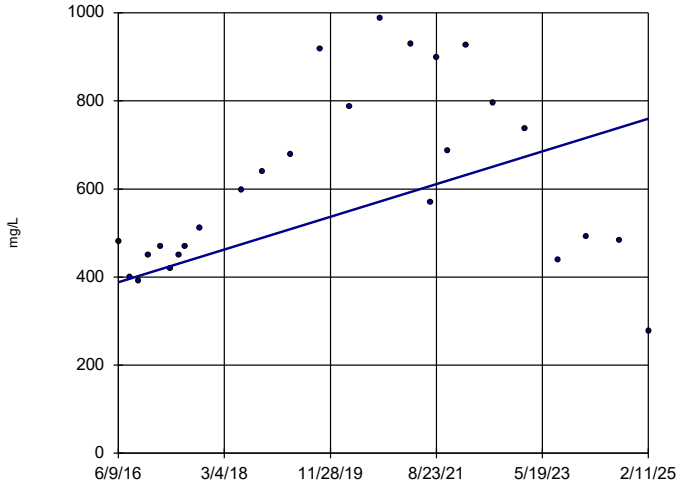
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 26

Slope = 42.71 units per year.

Mann-Kendall statistic = 93 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

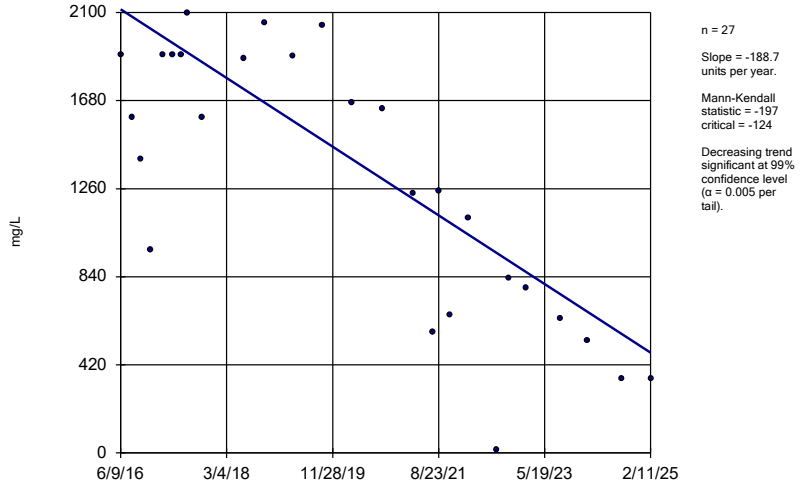
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 27

Slope = -188.7 units per year.

Mann-Kendall statistic = -197 critical = -124

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

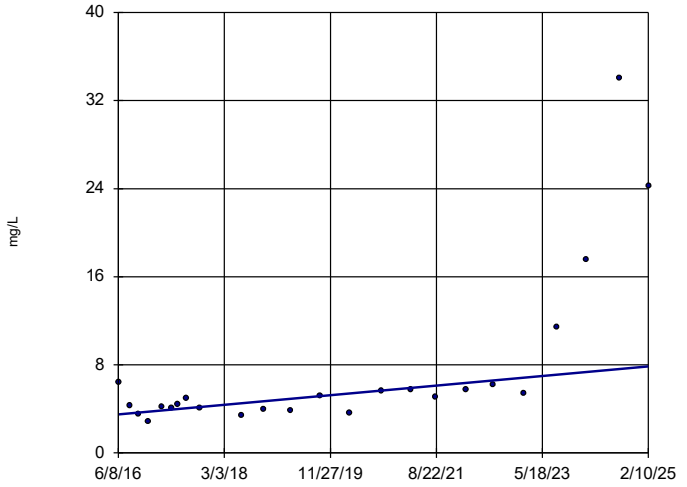
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-25



n = 24

Slope = 0.5011 units per year.

Mann-Kendall statistic = 142 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

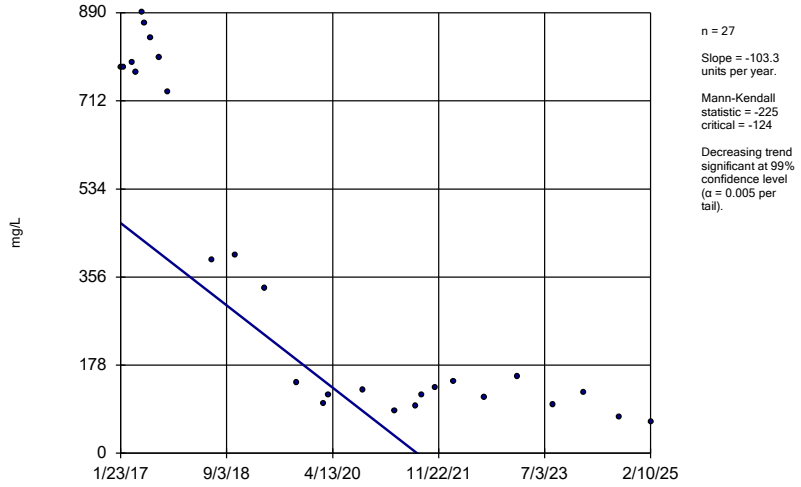
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-30



n = 27

Slope = -103.3 units per year.

Mann-Kendall statistic = -225 critical = -124

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

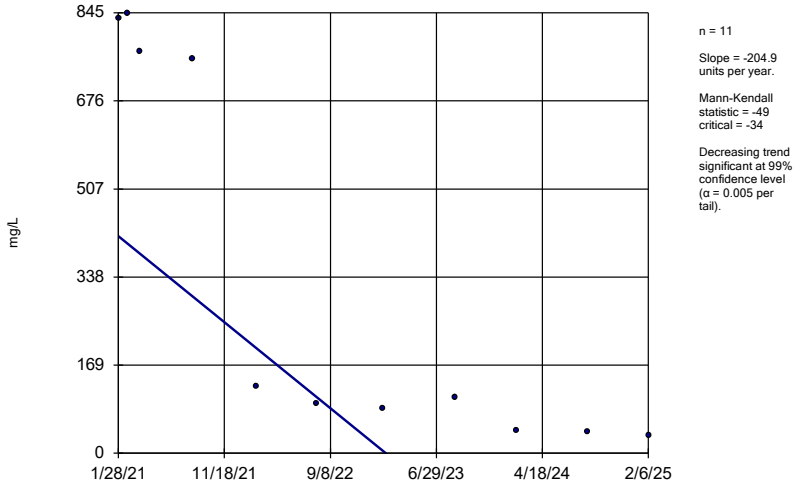
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-51



n = 11

Slope = -204.9 units per year.

Mann-Kendall statistic = -49 critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

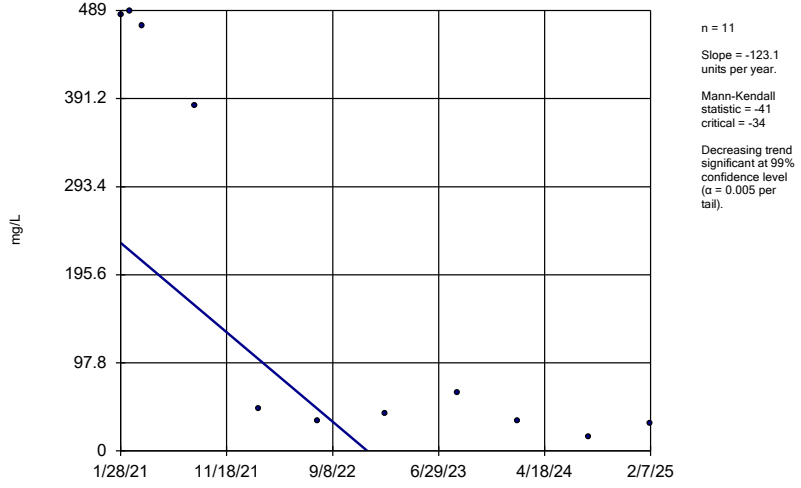
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-52



n = 11

Slope = -123.1 units per year.

Mann-Kendall statistic = -41 critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

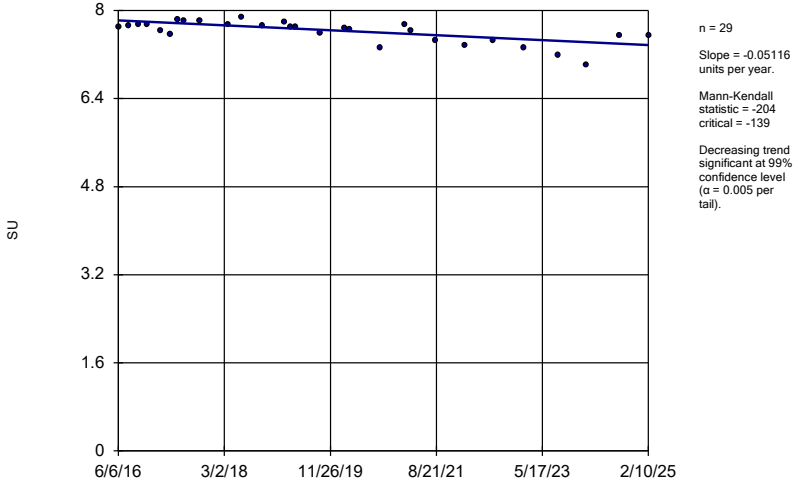
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 29

Slope = -0.05116 units per year.

Mann-Kendall statistic = -204 critical = -139

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

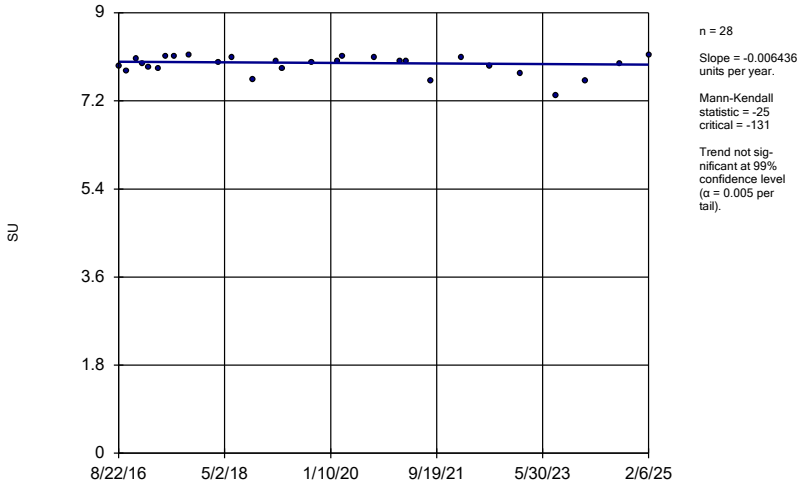
Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = -0.006436 units per year.

Mann-Kendall statistic = -25
critical = -131

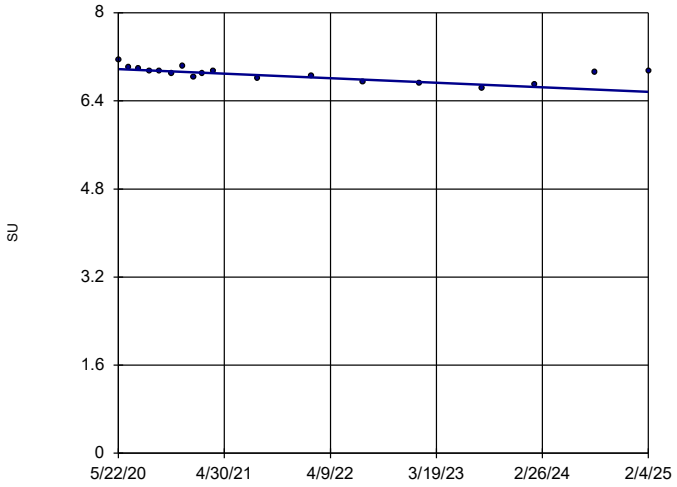
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.08757 units per year.

Mann-Kendall statistic = -84
critical = -68

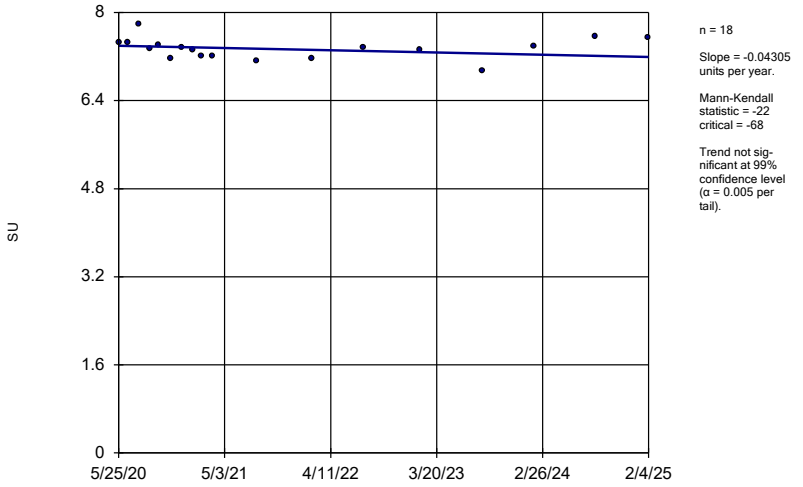
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = -0.04305 units per year.

Mann-Kendall statistic = -22
critical = -68

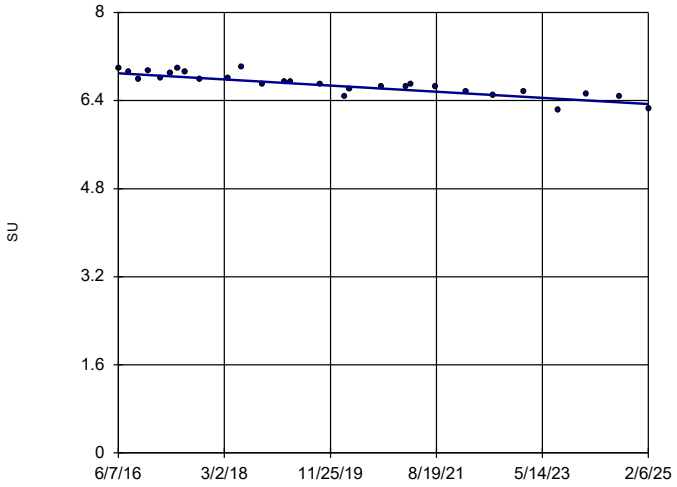
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 28

Slope = -0.06475 units per year.

Mann-Kendall statistic = -271
critical = -131

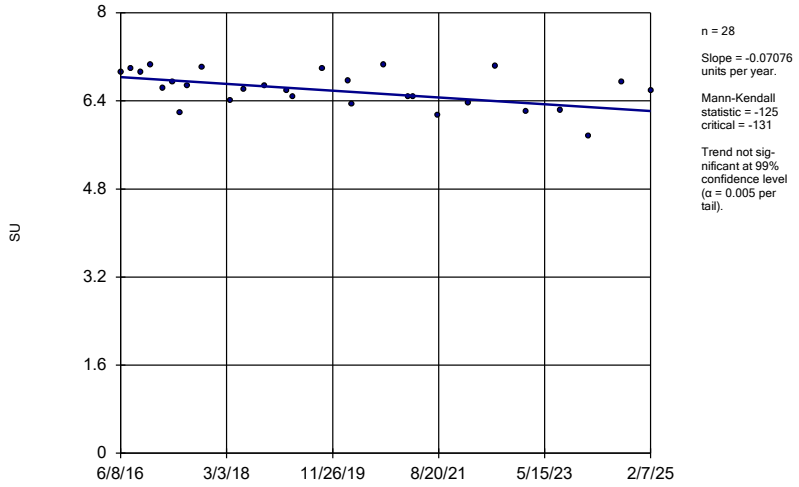
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-18



n = 28

Slope = -0.07076 units per year.

Mann-Kendall statistic = -125
critical = -131

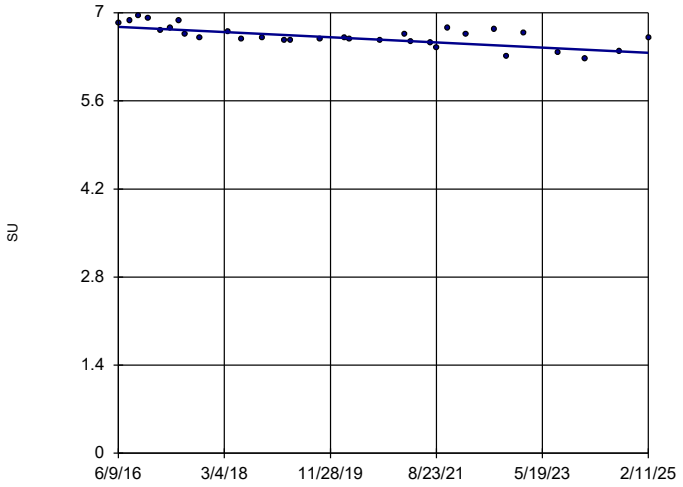
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 31

Slope = -0.04776 units per year.

Mann-Kendall statistic = -237
critical = -152

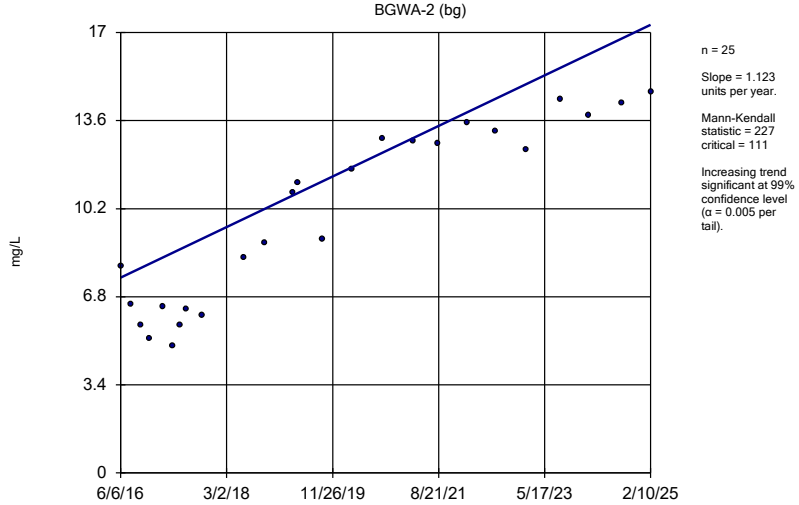
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 25

Slope = 1.123 units per year.

Mann-Kendall statistic = 227
critical = 111

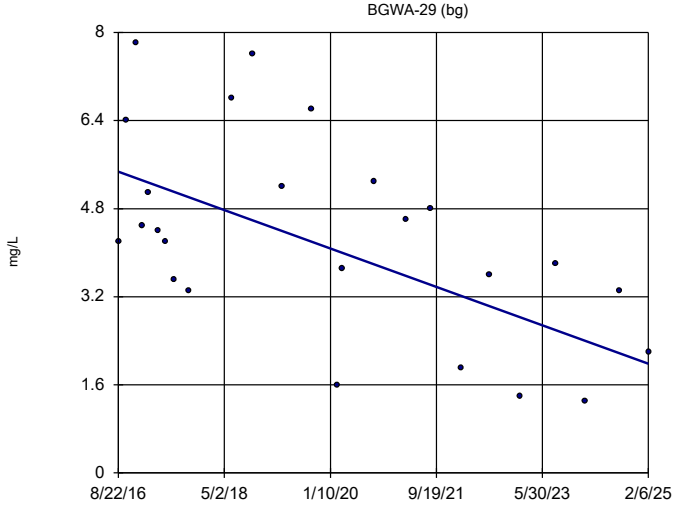
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 25

Slope = -0.4115 units per year.

Mann-Kendall statistic = -118
critical = -111

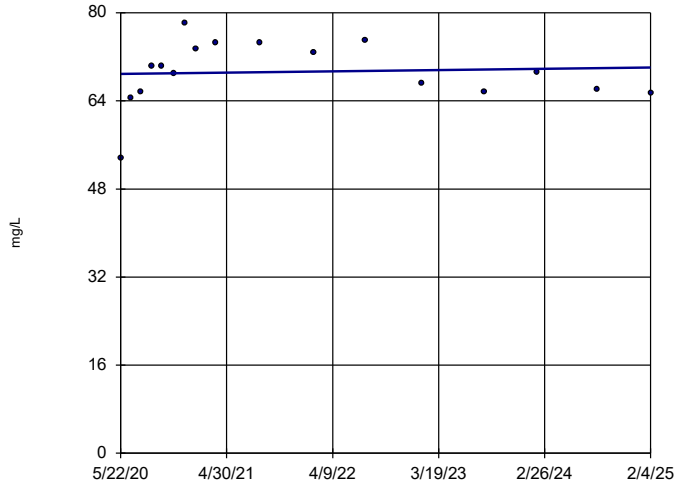
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 17

Slope = 0.247 units per year.

Mann-Kendall statistic = 9
critical = 63

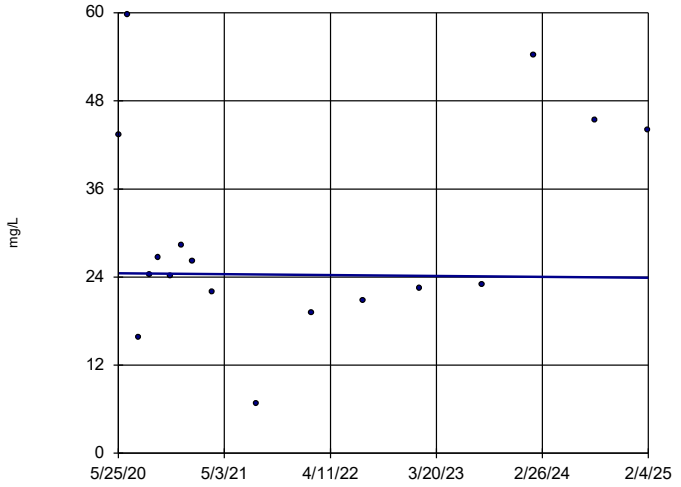
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 17

Slope = -0.1245 units per year.

Mann-Kendall statistic = 0
critical = 63

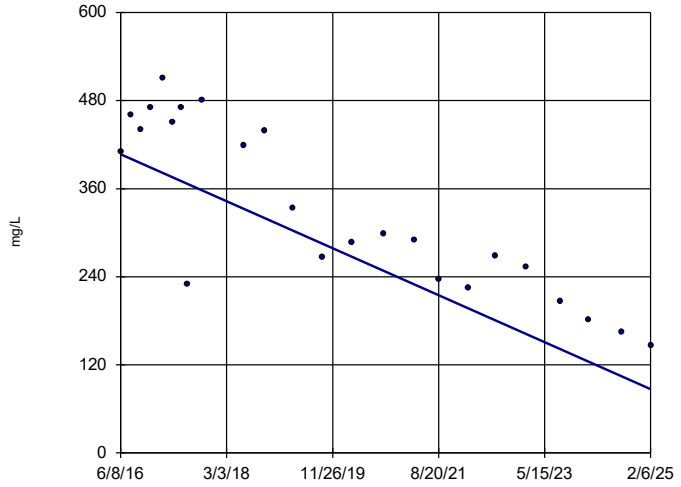
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 24

Slope = -36.89 units per year.

Mann-Kendall statistic = -185
critical = -105

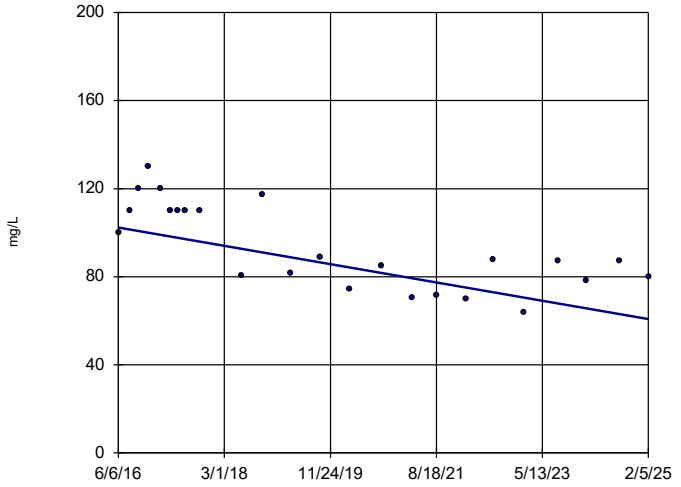
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-9



n = 24

Slope = -4.789 units per year.

Mann-Kendall statistic = -143
critical = -105

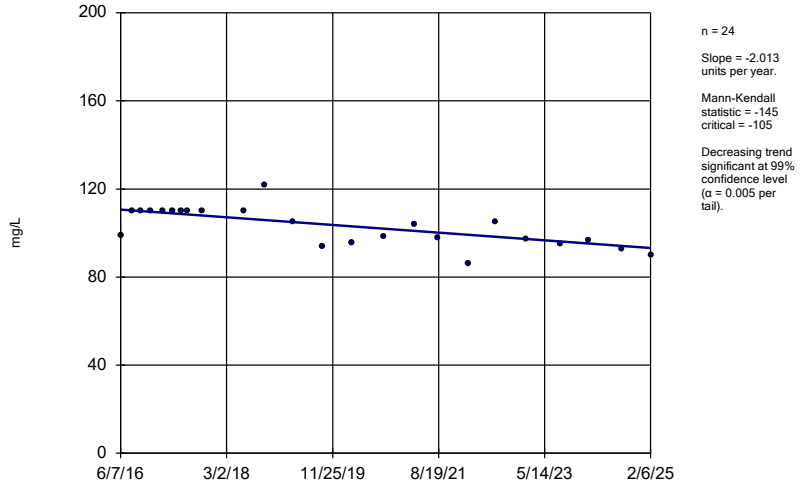
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 24

Slope = -2.013 units per year.

Mann-Kendall statistic = -145 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

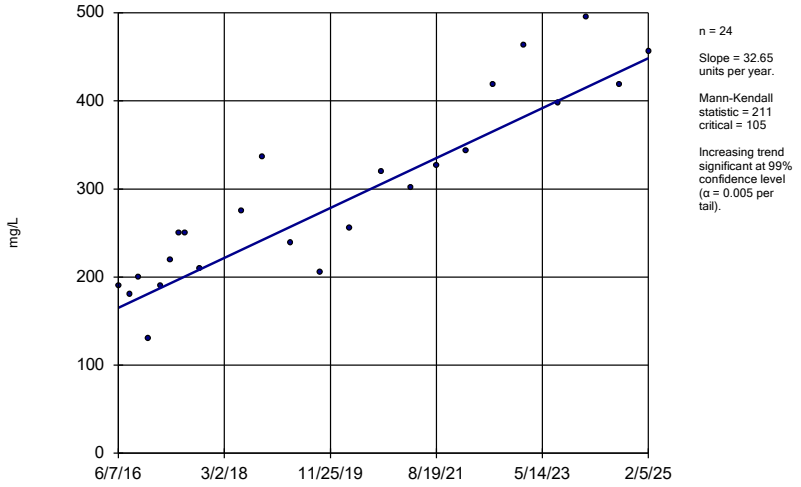
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 24

Slope = 32.65 units per year.

Mann-Kendall statistic = 211 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

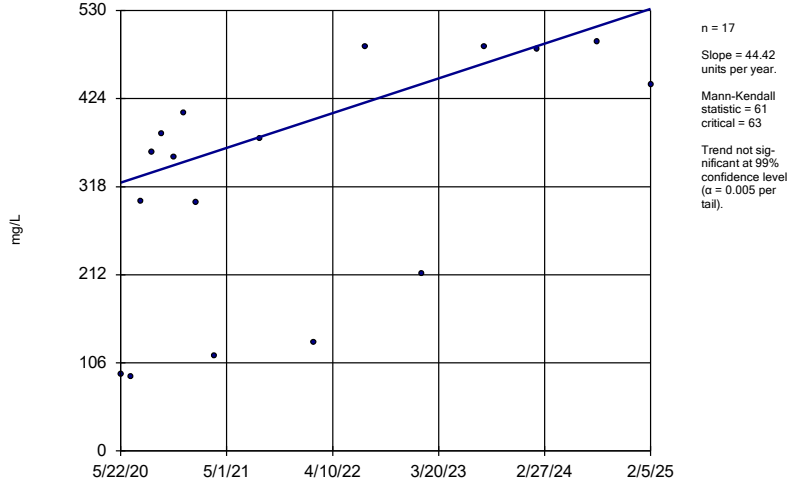
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 17

Slope = 44.42 units per year.

Mann-Kendall statistic = 61 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

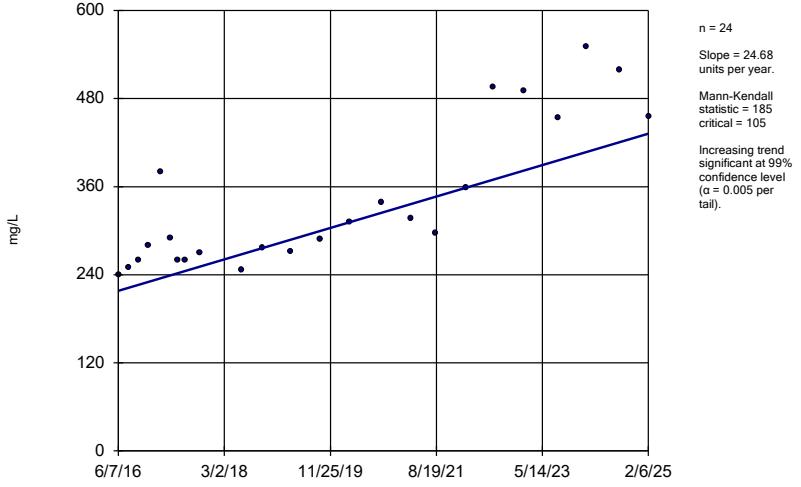
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 24

Slope = 24.68 units per year.

Mann-Kendall statistic = 185 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

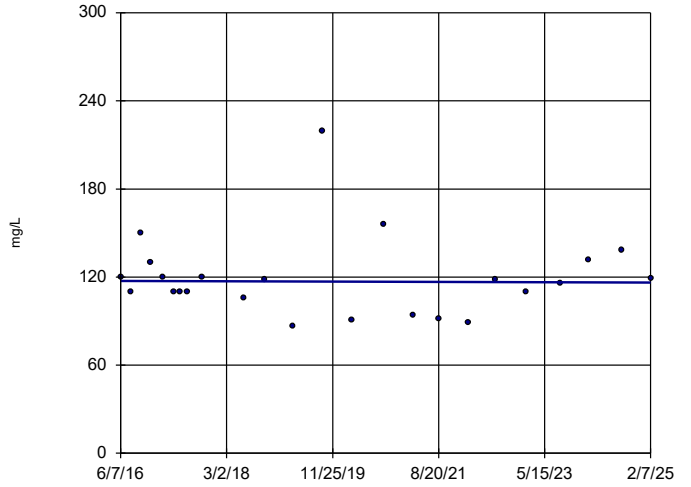
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 24

Slope = -0.1203 units per year.

Mann-Kendall statistic = -16
critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

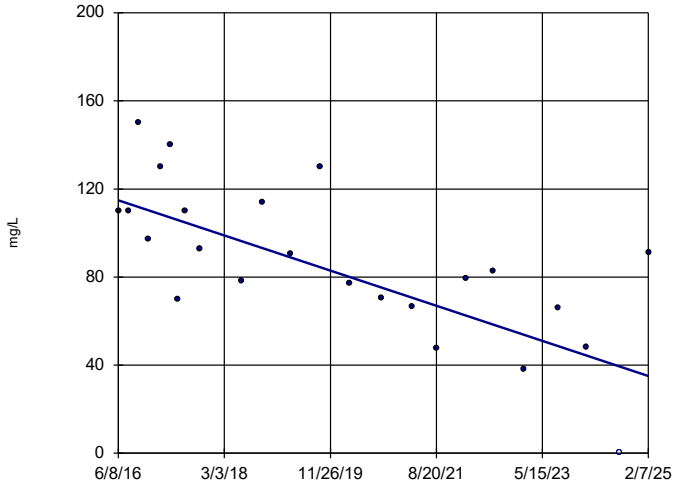
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-19



n = 24

Slope = -9.196 units per year.

Mann-Kendall statistic = -146
critical = -105

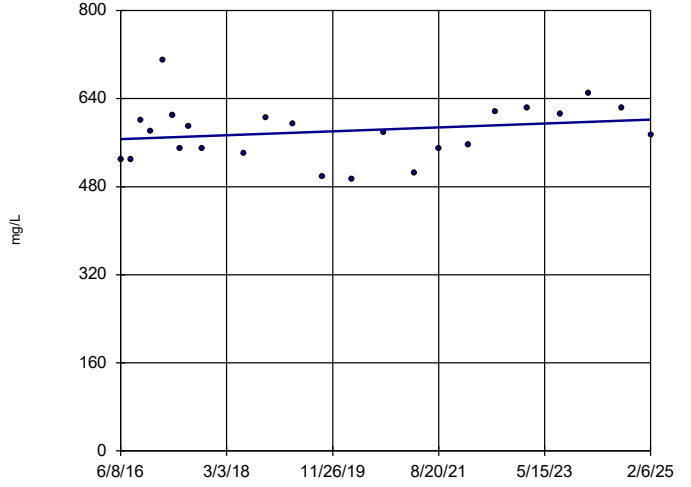
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 24

Slope = 4.095 units per year.

Mann-Kendall statistic = 54
critical = 105

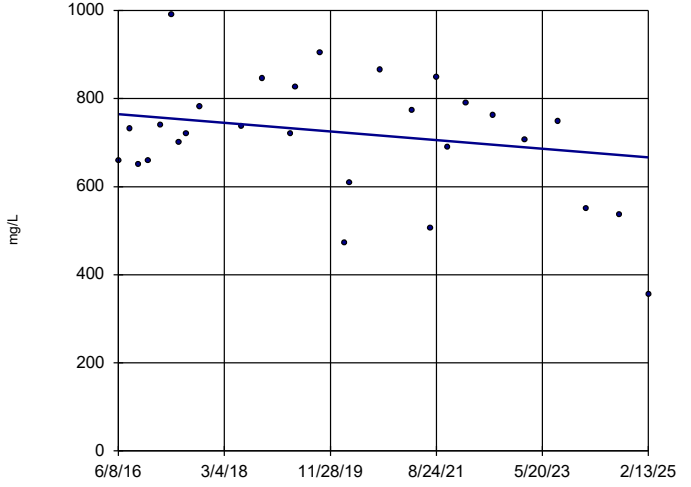
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 28

Slope = -11.25 units per year.

Mann-Kendall statistic = -38
critical = -131

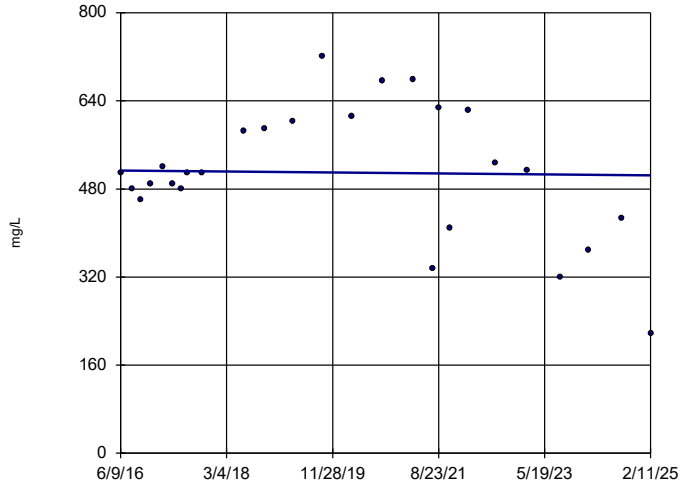
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 26

Slope = -1.008 units per year.

Mann-Kendall statistic = -6
critical = -118

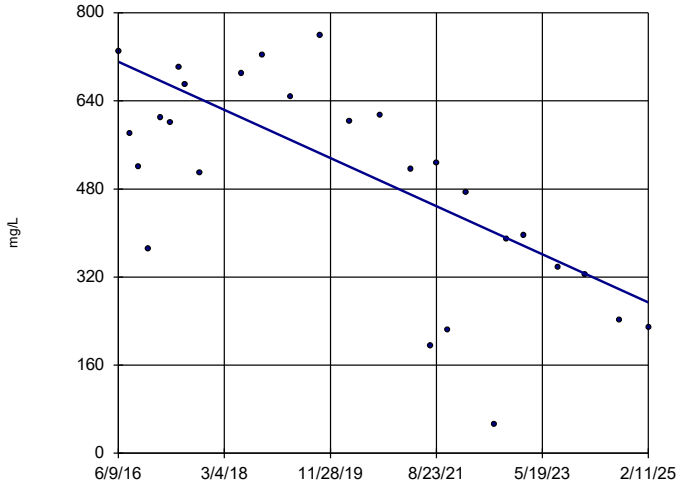
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 27

Slope = -50.36 units per year.

Mann-Kendall statistic = -161
critical = -124

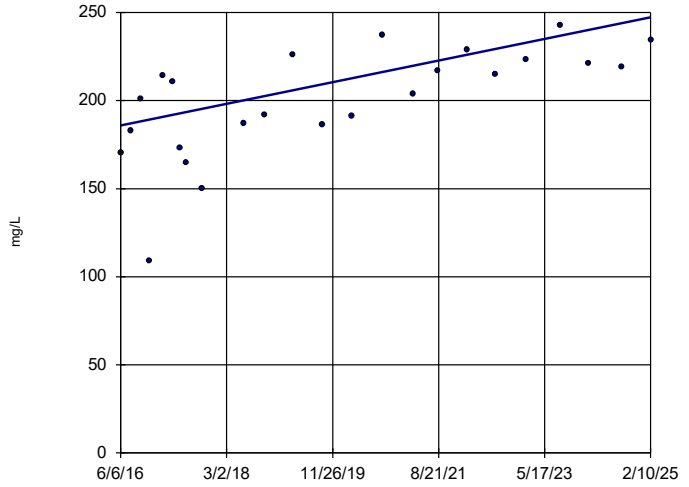
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 24

Slope = 7.06 units per year.

Mann-Kendall statistic = 146
critical = 105

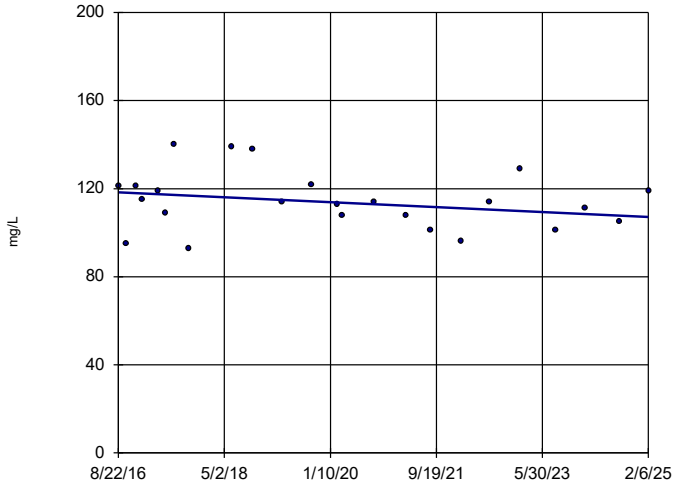
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 24

Slope = -1.327 units per year.

Mann-Kendall statistic = -55
critical = -105

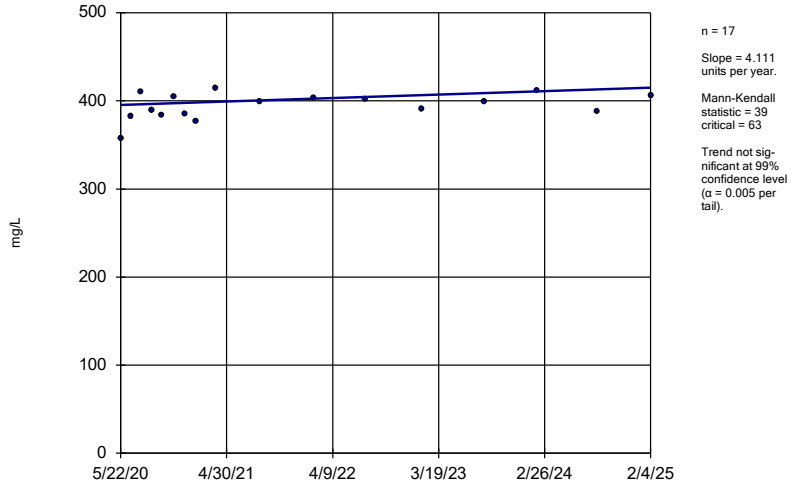
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 17

Slope = 4.111 units per year.

Mann-Kendall statistic = 39 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

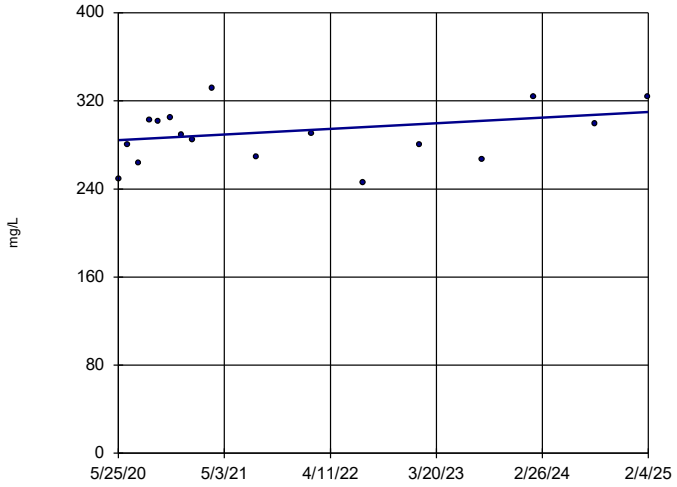
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 17

Slope = 5.434 units per year.

Mann-Kendall statistic = 24 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

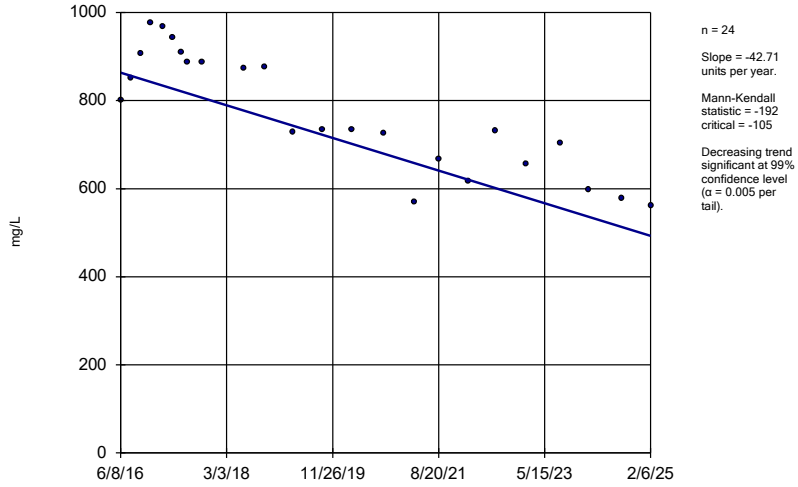
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 24

Slope = -42.71 units per year.

Mann-Kendall statistic = -192 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

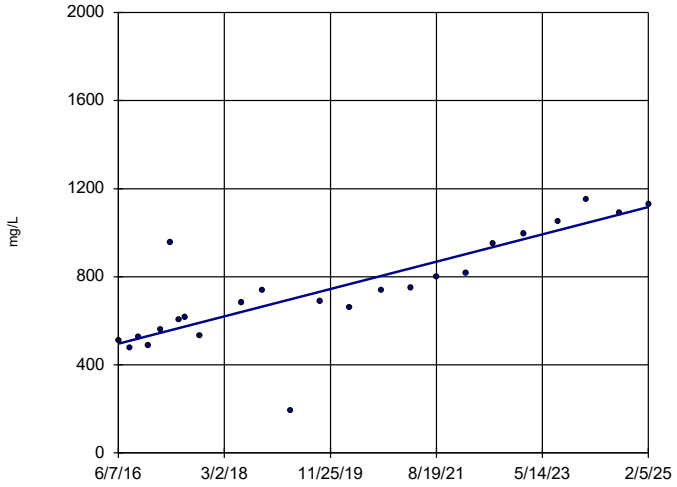
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 24

Slope = 71.55 units per year.

Mann-Kendall statistic = 206 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

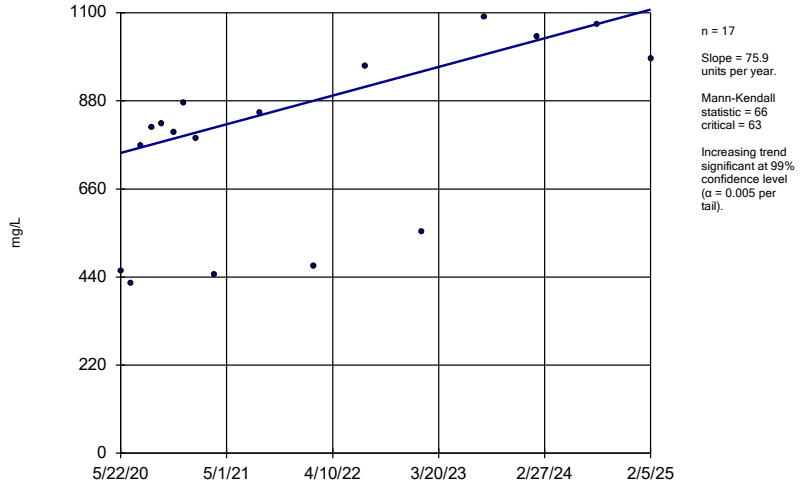
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 17

Slope = 75.9 units per year.

Mann-Kendall statistic = 66 critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

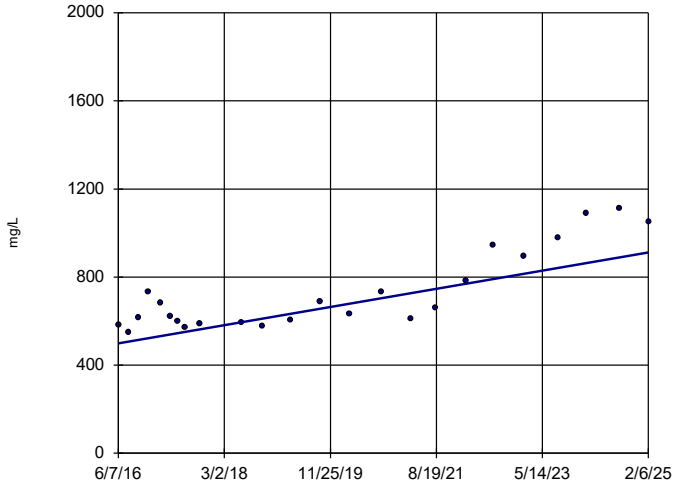
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-16



n = 24

Slope = 47.47 units per year.

Mann-Kendall statistic = 168 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

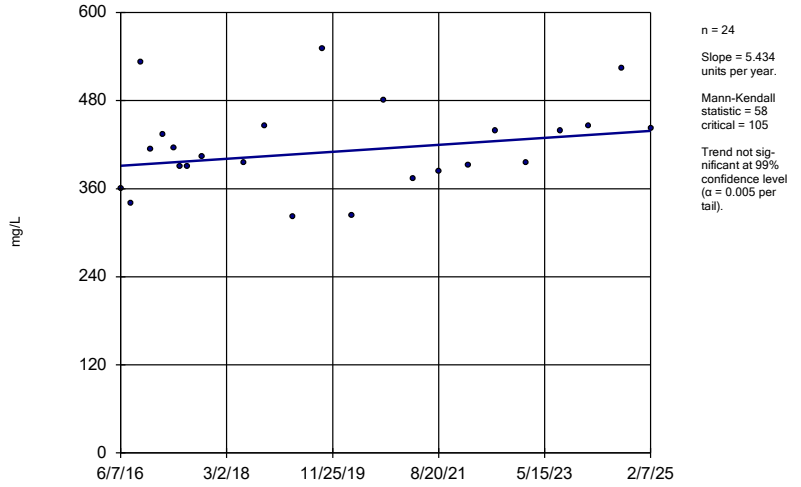
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 24

Slope = 5.434 units per year.

Mann-Kendall statistic = 58 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

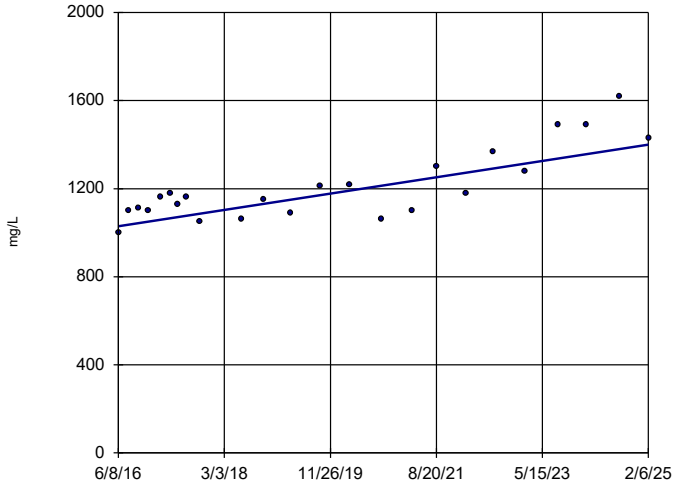
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-20



n = 24

Slope = 42.78 units per year.

Mann-Kendall statistic = 157 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

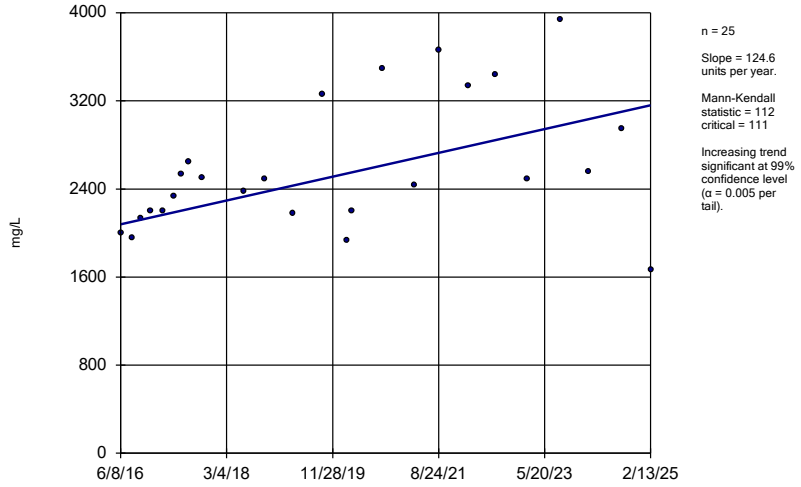
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-22



n = 25

Slope = 124.6 units per year.

Mann-Kendall statistic = 112 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

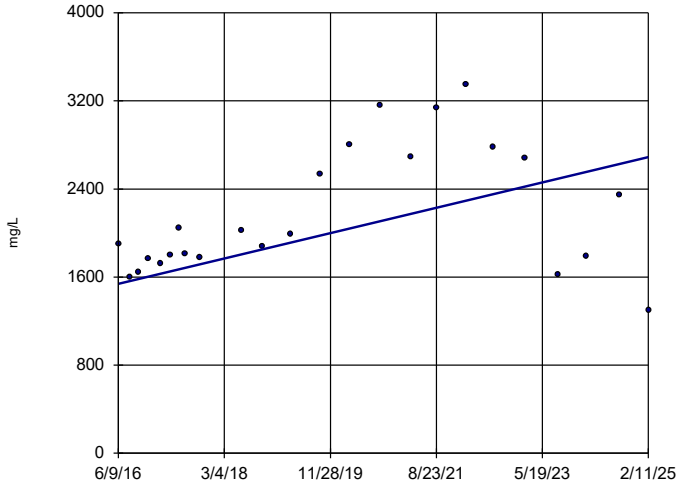
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-23



n = 24

Slope = 132.5 units per year.

Mann-Kendall statistic = 84 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

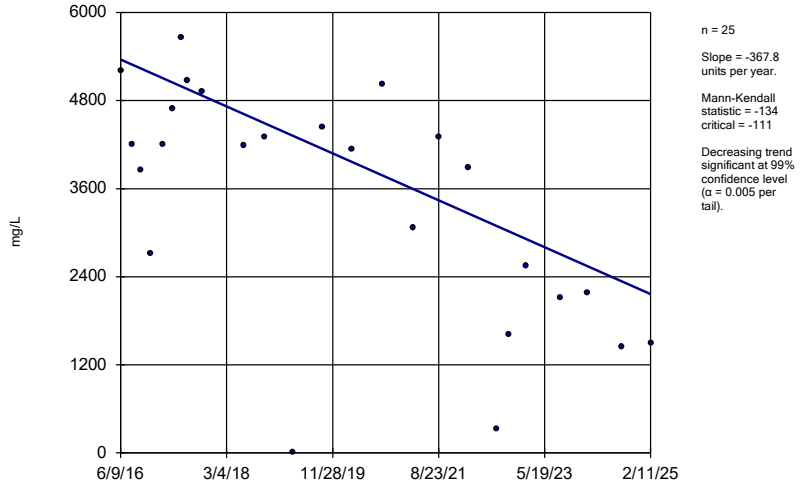
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-24



n = 25

Slope = -367.8 units per year.

Mann-Kendall statistic = -134 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE F.

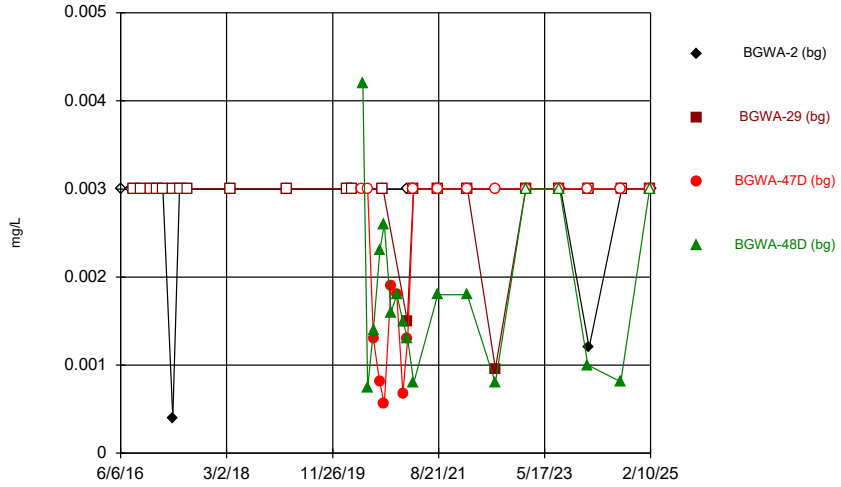
Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:57 AM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	82	n/a	n/a	68.29	n/a	n/a	0.01491	NP Inter(NDs)
Arsenic (mg/L)	0.01	90	n/a	n/a	58.89	n/a	n/a	0.009888	NP Inter(NDs)
Barium (mg/L)	0.218	90	n/a	n/a	0	n/a	n/a	0.009888	NP Inter(normality)
Beryllium (mg/L)	0.0005	86	n/a	n/a	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Cadmium (mg/L)	0.0005	90	n/a	n/a	97.78	n/a	n/a	0.009888	NP Inter(NDs)
Chromium (mg/L)	0.005	86	n/a	n/a	69.77	n/a	n/a	0.01214	NP Inter(NDs)
Cobalt (mg/L)	0.005	91	n/a	n/a	93.41	n/a	n/a	0.009394	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.647	90	0.8026	0.4347	0	None	No	0.05	Inter
Fluoride (mg/L)	0.57	93	n/a	n/a	48.39	n/a	n/a	0.008478	NP Inter(normality)
Lead (mg/L)	0.0024	86	n/a	n/a	69.77	n/a	n/a	0.01214	NP Inter(NDs)
Lithium (mg/L)	0.03	90	n/a	n/a	80	n/a	n/a	0.009888	NP Inter(NDs)
Mercury (mg/L)	0.00022	86	n/a	n/a	91.86	n/a	n/a	0.01214	NP Inter(NDs)
Molybdenum (mg/L)	0.01	91	n/a	n/a	64.84	n/a	n/a	0.009394	NP Inter(NDs)
Selenium (mg/L)	0.005	86	n/a	n/a	84.88	n/a	n/a	0.01214	NP Inter(NDs)
Thallium (mg/L)	0.001	90	n/a	n/a	84.44	n/a	n/a	0.009888	NP Inter(NDs)

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Hollow symbols indicate censored values.

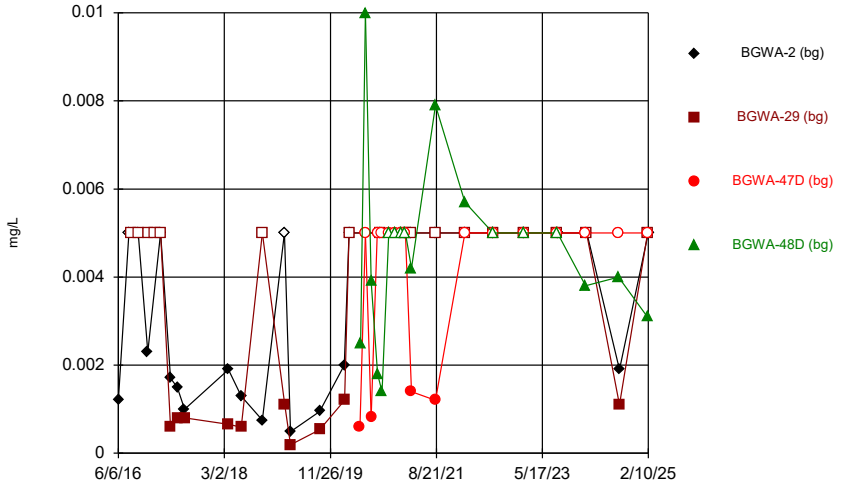
Time Series



Constituent: Antimony Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

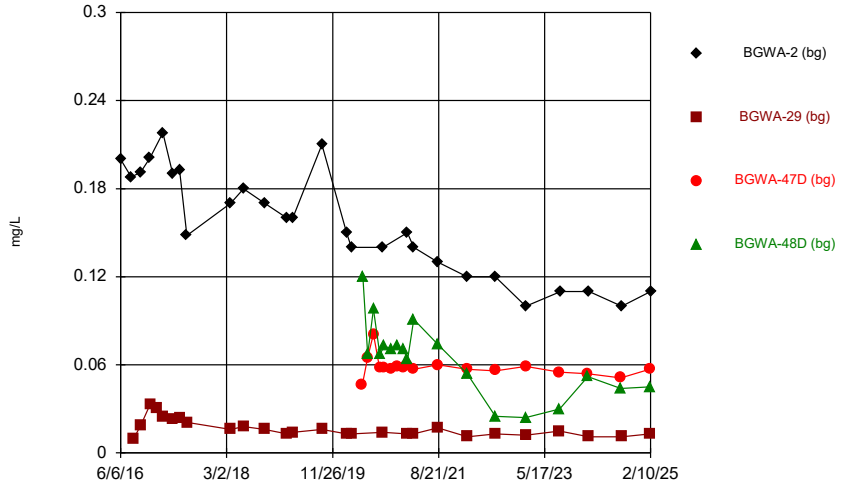
Time Series



Constituent: Arsenic Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

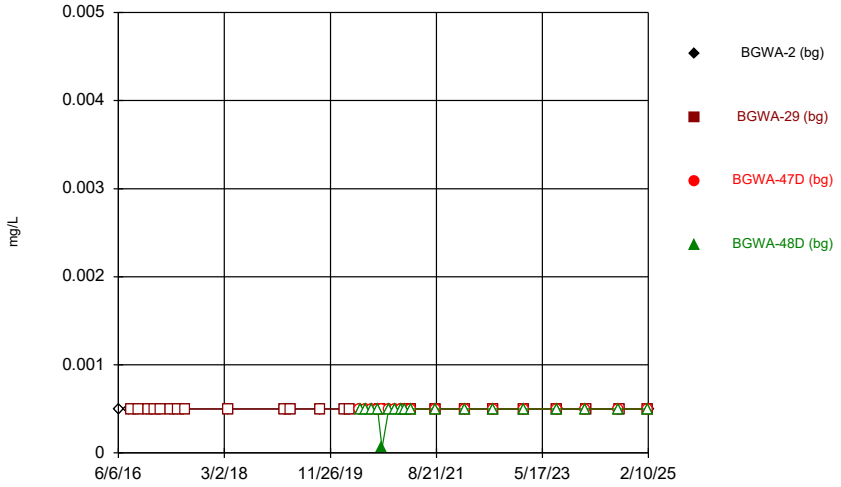
Time Series



Constituent: Barium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

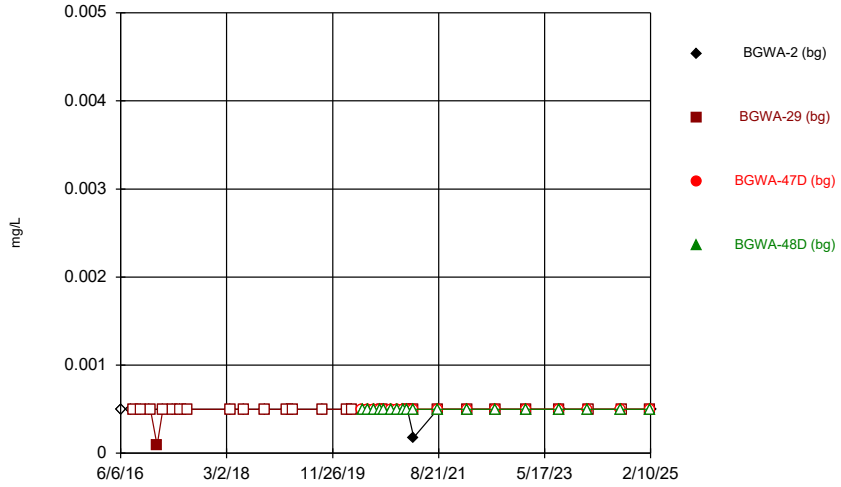
Time Series



Constituent: Beryllium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

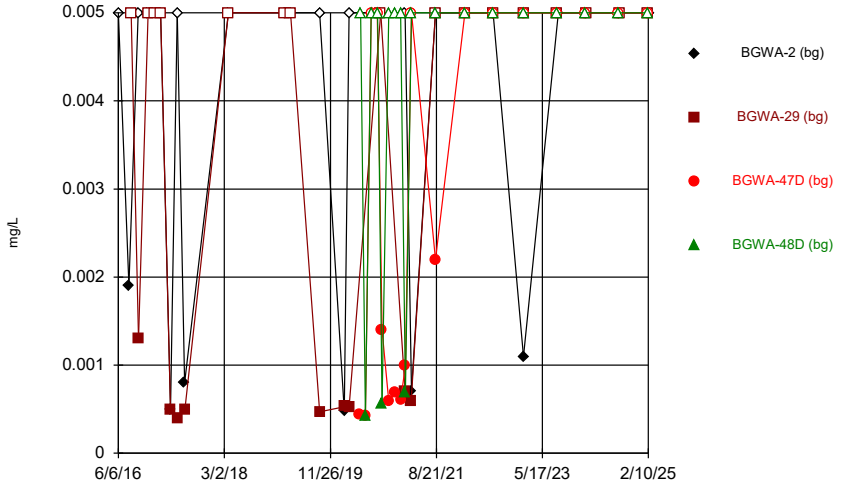
Time Series



Constituent: Cadmium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

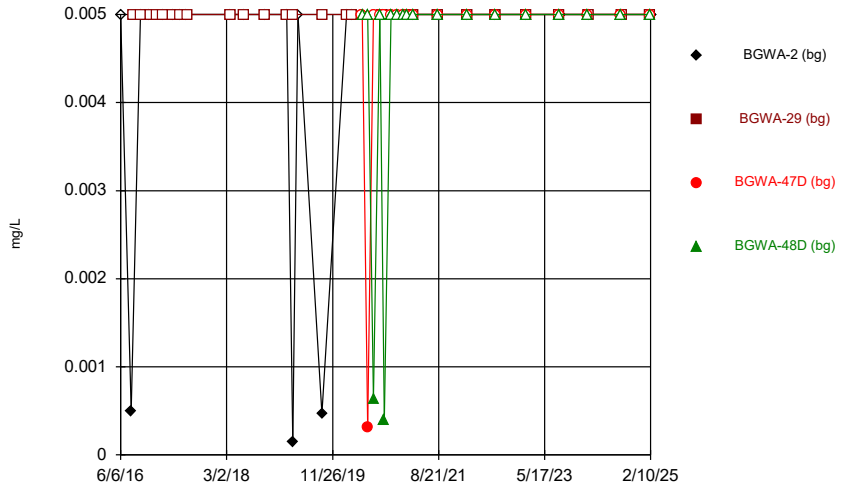
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

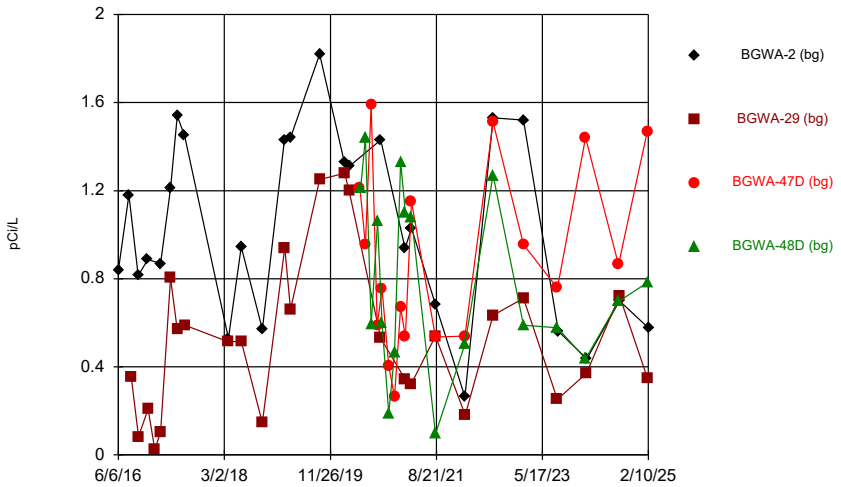
Time Series



Constituent: Cobalt Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

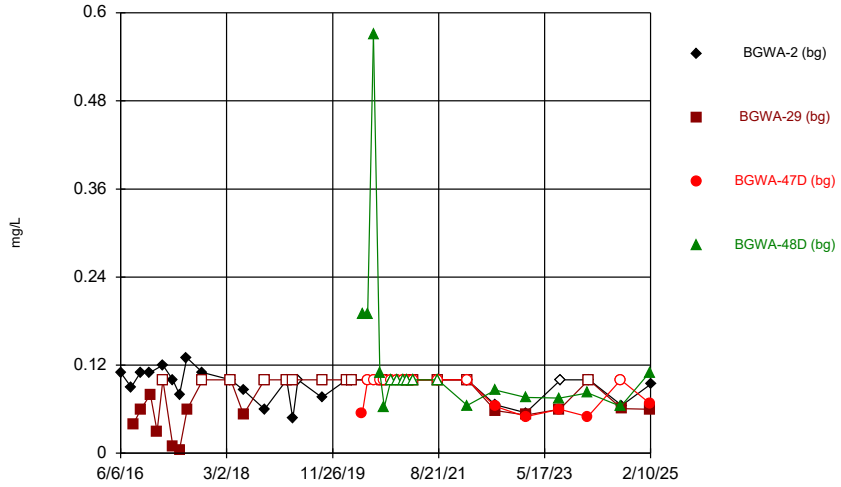
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

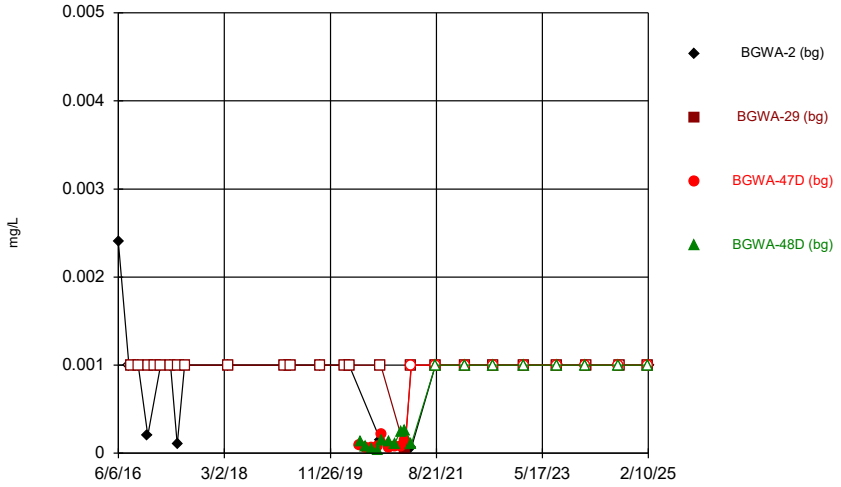
Time Series



Constituent: Fluoride Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

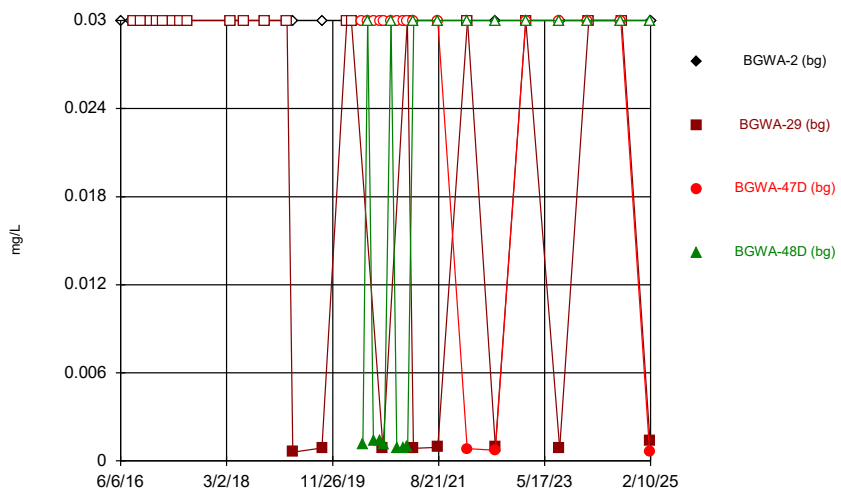
Time Series



Constituent: Lead Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

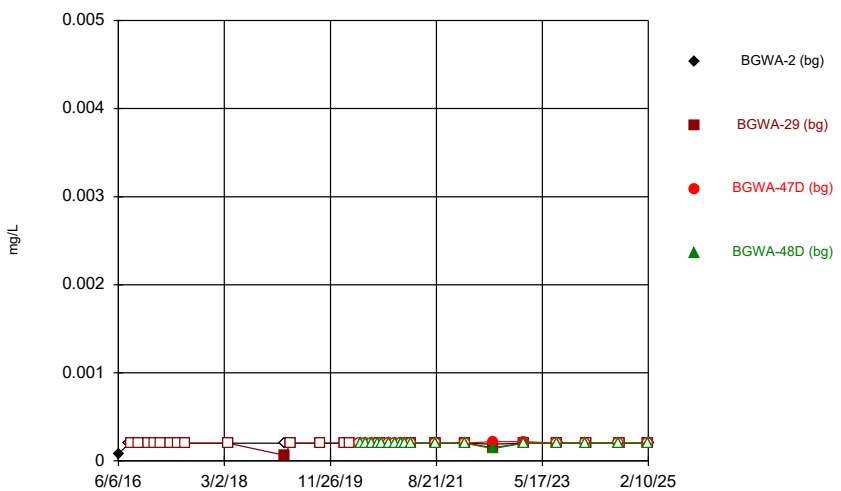
Time Series



Constituent: Lithium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

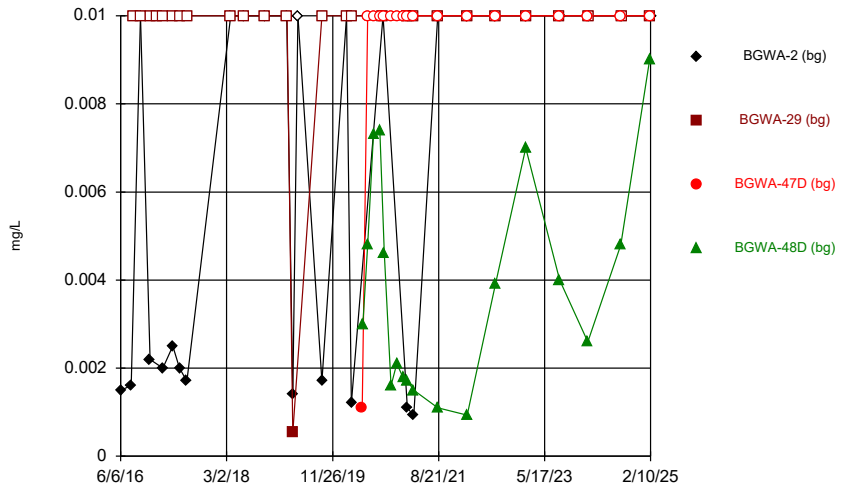
Time Series



Constituent: Mercury Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

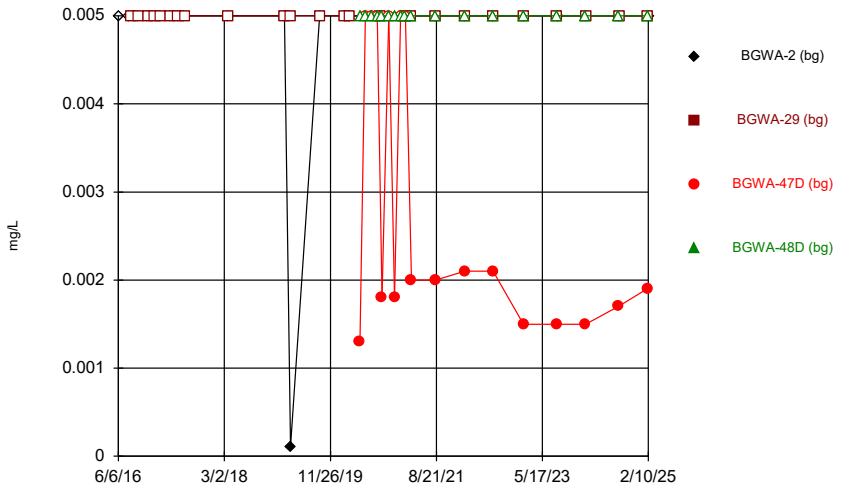
Time Series



Constituent: Molybdenum Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

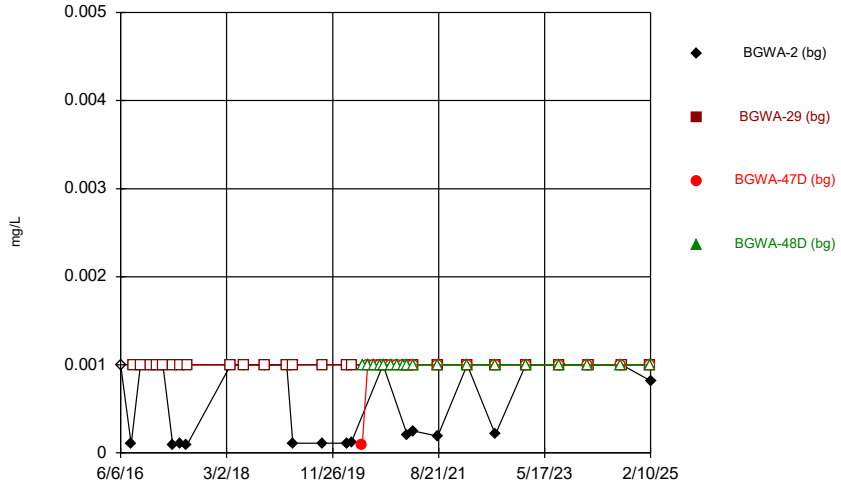
Time Series



Constituent: Selenium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 82 background values. 68.29% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01491.

Constituent: Antimony Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



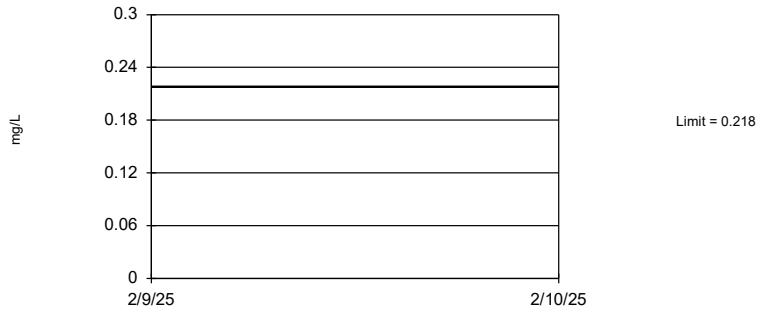
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 58.89% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

Constituent: Arsenic Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



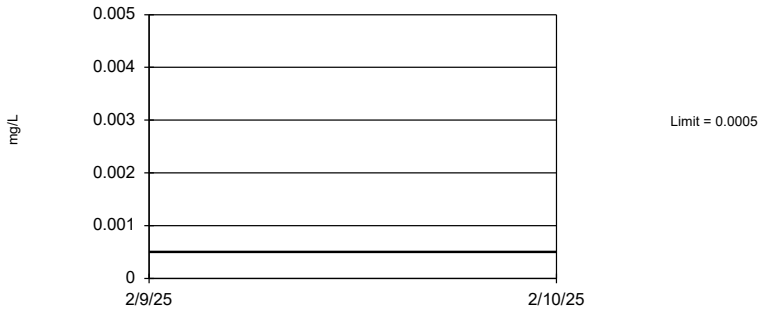
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

Constituent: Barium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



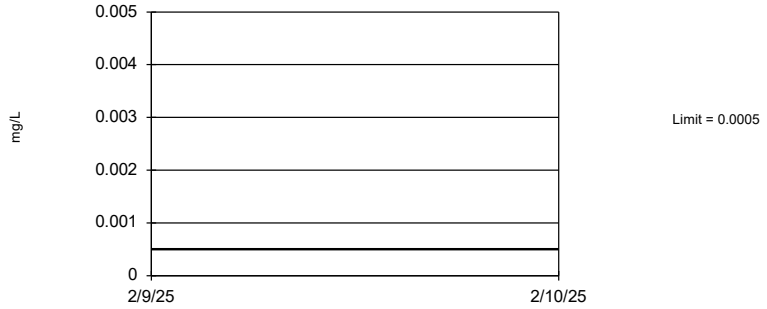
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 98.84% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Beryllium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 97.78% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

Constituent: Cadmium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 69.77% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Chromium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 91 background values. 93.41% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009394.

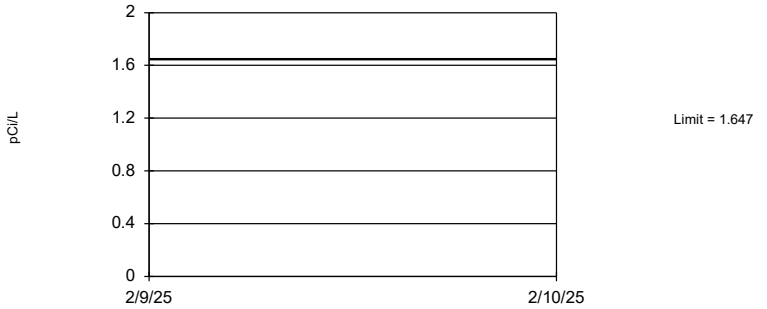
Constituent: Cobalt Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



95% coverage. Background Data Summary: Mean=0.8026, Std. Dev.=0.4347, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9703, critical = 0.961. Report alpha = 0.05.

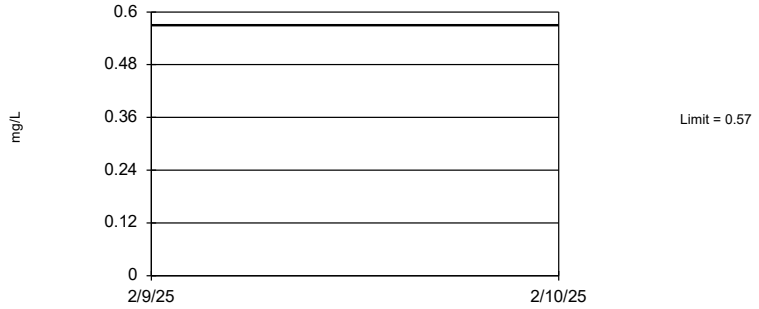
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 93 background values. 48.39% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008478.

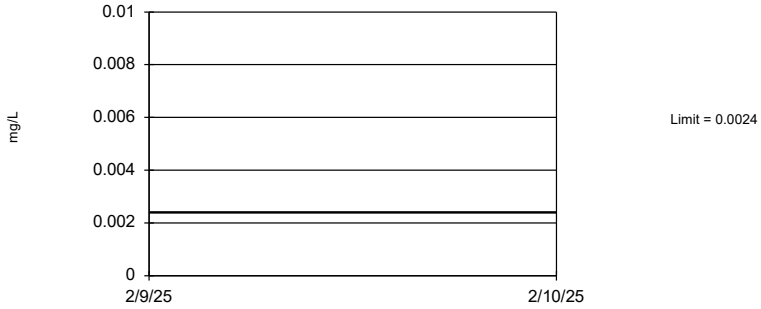
Constituent: Fluoride Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 69.77% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Lead Analysis Run 6/3/2025 11:56 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 80% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

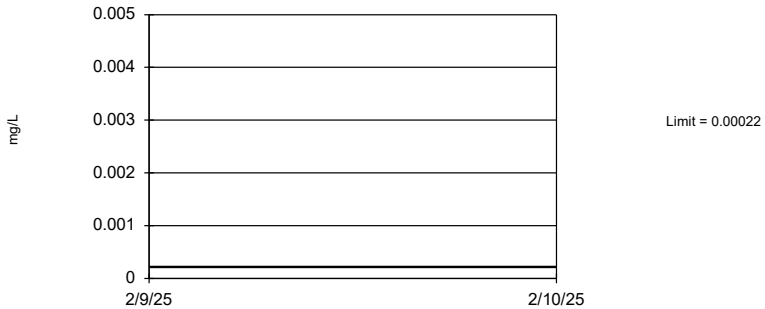
Constituent: Lithium Analysis Run 6/3/2025 11:56 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 91.86% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Mercury Analysis Run 6/3/2025 11:56 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 91 background values. 64.84% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009394.

Constituent: Molybdenum Analysis Run 6/3/2025 11:56 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 84.88% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Selenium Analysis Run 6/3/2025 11:56 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 84.44% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

Constituent: Thallium Analysis Run 6/3/2025 11:56 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE G.

BOWEN ASH POND 1 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.65	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	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE H.

Appendix IV Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**BGWC-34D**	**0.01754**	**0.0149**	**0.01**	**Yes**	**18**	**0.01622**	**0.002184**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-16**	**0.01207**	**0.008909**	**0.006**	**Yes**	**11**	**0.01049**	**0.001899**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-22**	**0.02539**	**0.01667**	**0.006**	**Yes**	**30**	**0.02103**	**0.009695**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**BGWC-43D**	**0.1905**	**0.1338**	**0.1**	**Yes**	**14**	**0.1621**	**0.04003**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	23	0.002648	0.0008229	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	23	0.002672	0.0008671	86.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	22	0.002583	0.0009247	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWA-6	0.003	0.0017	0.006	No	21	0.002938	0.0002837	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	23	0.002861	0.0003846	86.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	18	0.002717	0.0008247	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	23	0.002887	0.0005421	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	23	0.002878	0.0005838	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	23	0.002891	0.0005213	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	23	0.002822	0.000606	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	22	0.002868	0.0004292	90.91	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	23	0.002719	0.000723	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.0031	0.0022	0.006	No	24	0.00268	0.001302	54.17	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	23	0.003084	0.001557	65.22	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	23	0.002821	0.0006033	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-30	0.003	0.00085	0.006	No	23	0.002907	0.0004483	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.0023	0.006	No	13	0.002745	0.0007363	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00039	0.006	No	13	0.002596	0.0009858	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00079	0.006	No	13	0.002637	0.0008884	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00066	0.006	No	13	0.002289	0.001018	61.54	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.0021	0.006	No	13	0.002774	0.0005991	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.002	0.006	No	13	0.002662	0.0007564	76.92	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.003519	0.0006452	0.006	No	13	0.002726	0.002749	23.08	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.0005	0.006	No	13	0.002808	0.0006934	92.31	Kaplan-Meier	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	11	0.002709	0.0006472	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.003	0.00083	0.006	No	11	0.002395	0.0009114	63.64	Kaplan-Meier	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-43D	0.003	0.00091	0.006	No	11	0.002454	0.0009587	72.73	Kaplan-Meier	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.003	0.0015	0.006	No	11	0.003118	0.002066	54.55	None	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	9	0.00271	0.00087	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0017	0.006	No	9	0.002733	0.0005315	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.003	0.006	No	11	0.0029	0.0003317	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00085	0.006	No	11	0.00248	0.0009465	72.73	None	No	0.006	NP (NDs)
Arsenic (mg/L)	BGWC-7	0.002754	0.001994	0.01	No	27	0.002374	0.0007969	11.11	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.0007	0.01	No	27	0.002962	0.002169	51.85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-9	0.002352	0.001756	0.01	No	26	0.002908	0.001214	19.23	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWA-6	0.005	0.0013	0.01	No	24	0.003853	0.001844	70.83	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007058	0.005476	0.01	No	27	0.006267	0.001659	3.704	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.00096	0.01	No	27	0.002994	0.001986	44.44	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.0021	0.01	No	18	0.004144	0.001495	72.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.0011	0.01	No	27	0.003385	0.00204	59.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0013	0.01	No	27	0.003667	0.001938	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	27	0.003648	0.001974	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.00082	0.01	No	27	0.003193	0.00209	55.56	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	27	0.003245	0.002009	40.74	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.0012	0.01	No	26	0.003362	0.001984	57.69	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-22	0.003351	0.00197	0.01	No	27	0.003044	0.002149	11.11	None	ln(x)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.003958	0.002069	0.01	No	27	0.003259	0.002292	7.407	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005394	0.003166	0.01	No	28	0.004532	0.002587	14.29	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002949	0.002128	0.01	No	27	0.002593	0.0009306	14.81	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	27	0.002938	0.001853	37.04	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005185	0.003628	0.01	No	16	0.004406	0.001196	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.00363	0.001299	0.01	No	16	0.003064	0.001944	18.75	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	**BGWC-34D**	**0.01754**	**0.0149**	**0.01**	**Yes**	**18**	**0.01622**	**0.002184**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	BGWC-35D	0.00619	0.001889	0.01	No	16	0.004416	0.004095	6.25	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.005	0.00082	0.01	No	16	0.003251	0.001999	37.5	None	No	0.01	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-37D	0.02262	0.00809	0.01	No	13	0.01597	0.01102	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.0054	0.0016	0.01	No	13	0.003546	0.001676	23.08	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-39	0.006113	0.001796	0.01	No	13	0.004758	0.002693	30.77	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-40	0.005	0.00062	0.01	No	13	0.003136	0.001788	38.46	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-41D	0.007339	0.001847	0.01	No	11	0.004593	0.003295	9.091	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-42D	0.007273	0.002963	0.01	No	11	0.005118	0.002586	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.005654	0.001489	0.01	No	11	0.004008	0.002533	18.18	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.005605	0.003068	0.01	No	11	0.004336	0.001523	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.008071	0.002551	0.01	No	9	0.005311	0.002859	11.11	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003152	0.001905	0.01	No	9	0.003189	0.001178	22.22	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.005071	0.001713	0.01	No	11	0.004527	0.001433	45.45	Kaplan-Meier	x^2	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.005	0.001	0.01	No	11	0.003799	0.001734	54.55	Kaplan-Meier	No	0.006	NP (NDs)
Arsenic (mg/L)	PZ-7	0.005525	0.002475	0.01	No	5	0.00458	0.001001	40	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.03712	0.03066	2	No	27	0.03389	0.006764	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.02995	0.02695	2	No	27	0.02781	0.005148	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03098	0.02753	2	No	26	0.02925	0.003532	0	None	No	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.012	2	No	24	0.0221	0.01707	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05503	0.04416	2	No	27	0.05007	0.01217	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-12	0.04165	0.03274	2	No	27	0.0372	0.00934	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04037	0.03252	2	No	18	0.03644	0.006483	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03056	0.02786	2	No	27	0.02921	0.002833	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.018	0.015	2	No	27	0.01681	0.002521	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-18	0.03455	0.03048	2	No	27	0.03251	0.004257	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.0375	0.03154	2	No	27	0.03452	0.00624	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03427	0.03151	2	No	27	0.03289	0.00289	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04056	0.03026	2	No	26	0.03541	0.01057	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.08768	0.07461	2	No	27	0.08006	0.015	0	None	x^2	0.01	Param.
Barium (mg/L)	BGWC-23	0.1017	0.0832	2	No	27	0.09247	0.01943	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-24	0.09873	0.06802	2	No	28	0.08338	0.03286	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.0275	0.016	2	No	27	0.02076	0.00662	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-30	0.1195	0.07229	2	No	27	0.1069	0.06005	0	None	ln(x)	0.01	Param.
Barium (mg/L)	BGWC-31	0.04357	0.03668	2	No	16	0.04013	0.00529	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-32	0.12	0.085	2	No	16	0.1003	0.01899	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-34D	0.05304	0.04171	2	No	16	0.04738	0.008702	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.08772	0.06003	2	No	16	0.07388	0.02128	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.074	0.06	2	No	16	0.06838	0.01332	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-37D	0.09975	0.08241	2	No	13	0.09108	0.01166	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-38D	0.1686	0.09774	2	No	13	0.1332	0.04763	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.07266	0.04534	2	No	13	0.059	0.01838	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05338	0.04031	2	No	13	0.04685	0.008792	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-41D	0.07097	0.05557	2	No	11	0.06327	0.009242	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.1144	0.0607	2	No	11	0.08755	0.03221	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.07363	0.05982	2	No	11	0.06673	0.008284	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.03225	0.01975	2	No	11	0.026	0.007497	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.08155	0.05778	2	No	9	0.06967	0.01231	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.06032	0.03368	2	No	9	0.047	0.01379	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.054	0.0057	2	No	11	0.02423	0.02282	0	None	No	0.006	NP (normality)
Barium (mg/L)	BGWC-52	0.084	0.019	2	No	11	0.04418	0.0293	0	None	No	0.006	NP (normality)
Barium (mg/L)	PZ-7	0.03331	0.01749	2	No	5	0.0254	0.004722	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	25	0.0004649	0.0001216	92	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.0005	0.00012	0.004	No	25	0.0002756	0.00018	36	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	25	0.0004118	0.00018	80	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.0001	0.004	No	25	0.0003648	0.0002015	68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0005	0.000088	0.004	No	25	0.0003637	0.000203	68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.0005	0.00011	0.004	No	25	0.0002687	0.0001934	40	None	No	0.01	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	25	0.0004822	0.0000892	96	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00022	0.004	No	26	0.0003501	0.0001617	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-36D	0.0005	0.00007	0.004	No	15	0.0004713	0.000111	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0005	0.000059	0.004	No	13	0.0003345	0.0002181	61.54	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-39	0.0005	0.000079	0.004	No	13	0.0004676	0.0001168	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0005	0.000072	0.004	No	11	0.0002886	0.0002058	45.45	None	No	0.006	NP (normality)
Beryllium (mg/L)	BGWC-52	0.0005	0.0005	0.004	No	11	0.0004593	0.0001351	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	PZ-7	0.0005	0.000064	0.004	No	5	0.000241	0.0002365	40	None	No	0.031	NP (normality)
Cadmium (mg/L)	BGWC-14A	0.00057	0.00019	0.005	No	18	0.0004028	0.0002015	33.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001888	0.001402	0.005	No	27	0.001674	0.0005481	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00016	0.005	No	27	0.0003026	0.0001632	37.04	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0005	0.00032	0.005	No	27	0.000439	0.0001637	59.26	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	27	0.0004593	0.0001185	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	27	0.0004844	0.00008083	96.3	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0009	0.00038	0.005	No	27	0.0005393	0.0003154	55.56	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	27	0.0004885	0.00005966	96.3	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.005096	0.002889	0.005	No	28	0.003992	0.002361	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0004	0.005	No	27	0.0004326	0.0001263	62.96	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00032	0.005	No	13	0.0004792	0.000142	69.23	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0005	0.00012	0.005	No	13	0.0003254	0.0001749	46.15	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-43D	0.000871	0.0002214	0.005	No	11	0.0005627	0.0004517	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0005	0.00043	0.005	No	11	0.0004882	0.00009185	63.64	None	No	0.006	NP (NDs)
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	11	0.0004191	0.0001397	72.73	None	No	0.006	NP (NDs)
Cadmium (mg/L)	PZ-7	0.0005	0.00015	0.005	No	5	0.00037	0.0001789	60	None	No	0.031	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	25	0.004484	0.001426	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0012	0.1	No	25	0.005192	0.01219	36	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	24	0.004754	0.000833	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	23	0.004822	0.0007348	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	25	0.004844	0.00078	96	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.0018	0.1	No	25	0.003977	0.001875	76	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	18	0.005967	0.005071	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	25	0.004704	0.001037	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	25	0.004633	0.00127	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	25	0.004488	0.001417	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0028	0.1	No	25	0.003977	0.001703	68	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	24	0.004705	0.001047	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	25	0.004312	0.001483	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	26	0.0045	0.001414	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	25	0.004884	0.00058	96	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.0009	0.1	No	25	0.002852	0.002116	48	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.0011	0.1	No	15	0.004153	0.001756	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00072	0.1	No	15	0.003827	0.001917	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.005	0.0011	0.1	No	15	0.004166	0.001729	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.0006	0.1	No	15	0.003849	0.001978	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	13	0.004335	0.001622	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.0031	0.1	No	13	0.004502	0.001334	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.001	0.1	No	13	0.004692	0.001109	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00058	0.1	No	13	0.003365	0.002158	53.85	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-41D	0.005	0.005	0.1	No	11	0.004607	0.001303	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.0011	0.1	No	11	0.004247	0.001678	81.82	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.005	0.1	No	11	0.004764	0.0007839	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00094	0.1	No	11	0.004034	0.001704	72.73	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	9	0.004523	0.00143	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.005	0.1	No	11	0.0046	0.001327	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.0013	0.1	No	11	0.003955	0.001803	72.73	None	No	0.006	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	BGWC-7	0.00094	0.00068	0.006	No	27	0.001677	0.001814	22.22	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	27	0.004322	0.001667	85.19	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	26	0.004467	0.001506	88.46	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.00054	0.006	No	24	0.003153	0.002237	58.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00047	0.006	No	27	0.003144	0.002282	59.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00045	0.006	No	27	0.002822	0.002306	51.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-14A	0.002213	0.001129	0.006	No	18	0.002734	0.001624	27.78	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	**BGWC-16**	**0.01207**	**0.008909**	**0.006**	**Yes**	**11**	**0.01049**	**0.001899**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	27	0.00482	0.0009334	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	27	0.004179	0.001759	81.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.00052	0.006	No	27	0.004652	0.001257	92.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	27	0.004324	0.001655	85.19	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.00064	0.006	No	26	0.003133	0.002461	34.62	None	No	0.01	NP (normality)
Cobalt (mg/L)	**BGWC-22**	**0.02539**	**0.01667**	**0.006**	**Yes**	**30**	**0.02103**	**0.009695**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	29	0.003777	0.002025	72.41	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.003801	0.002765	0.006	No	30	0.003283	0.001152	10	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	27	0.00466	0.001226	92.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.001	0.006	No	29	0.00359	0.001995	65.52	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00041	0.006	No	16	0.003302	0.002265	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-32	0.006567	0.002783	0.006	No	18	0.004675	0.003128	5.556	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.001596	0.0007491	0.006	No	16	0.001172	0.0006508	12.5	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.002756	0.001197	0.006	No	16	0.002074	0.001316	6.25	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00057	0.006	No	16	0.003376	0.002171	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-37D	0.005	0.0007	0.006	No	13	0.002903	0.002047	46.15	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-38D	0.004083	0.001461	0.006	No	14	0.003307	0.003437	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.0033	0.006	No	14	0.004241	0.001632	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.00061	0.00034	0.006	No	13	0.001176	0.001699	15.38	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-41D	0.005	0.00044	0.006	No	11	0.001742	0.002095	27.27	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.004557	0.00221	0.006	No	12	0.003383	0.001496	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.0025	0.00065	0.006	No	9	0.00108	0.0005478	11.11	None	No	0.002	NP (normality)
Cobalt (mg/L)	BGWC-50D	0.001591	0.0004217	0.006	No	9	0.001002	0.0006895	11.11	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.003818	0.0009514	0.006	No	11	0.002385	0.00172	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.622	1.249	5	No	27	1.436	0.3904	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7771	0.4477	5	No	27	0.6124	0.3452	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9259	0.5106	5	No	26	0.765	0.4889	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7216	0.3907	5	No	24	0.5562	0.3242	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.404	1.008	5	No	27	1.233	0.4547	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7111	0.385	5	No	27	0.548	0.3418	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.145	0.5323	5	No	18	0.8389	0.5068	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.173	0.7627	5	No	27	0.9679	0.4302	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8483	0.5123	5	No	27	0.6803	0.3522	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.02	0.6316	5	No	27	0.8632	0.4595	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.092	0.6903	5	No	27	0.8914	0.4215	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.33	0.8768	5	No	27	1.103	0.4751	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8128	0.4959	5	No	26	0.6543	0.3251	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.72	1.96	5	No	27	2.34	0.7963	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.72	1.082	5	No	27	1.401	0.6684	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.05	1.731	5	No	27	2.803	2.476	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.8822	0.5318	5	No	27	0.707	0.3673	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	1.954	1.072	5	No	26	1.513	0.9046	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.673	1.092	5	No	16	1.382	0.4462	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	1.879	1.194	5	No	16	1.536	0.5266	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.699	1.887	5	No	16	2.293	0.6237	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	2.933	2.141	5	No	16	2.537	0.6091	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.004	1.197	5	No	16	1.6	0.6203	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 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-37D	2.974	2.201	5	No	13	2.588	0.5198	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	4.927	3.022	5	No	13	3.975	1.281	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.319	0.5618	5	No	13	0.9405	0.5093	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	0.9042	0.4322	5	No	13	0.6682	0.3174	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	2.08	1.097	5	No	11	1.588	0.5897	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.033	0.489	5	No	11	0.7724	0.3576	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	1.724	1.17	5	No	11	1.447	0.3324	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.287	0.5496	5	No	11	0.9181	0.4422	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.09	1.939	5	No	9	2.514	0.5961	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.31	0.7683	5	No	9	1.039	0.2806	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7261	0.3851	5	No	11	0.5556	0.2046	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.182	0.3461	5	No	11	0.764	0.5015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7	2.172	0.02984	5	No	4	1.101	0.4718	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1761	0.1301	4	No	28	0.1531	0.04916	3.571	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.064	4	No	28	0.07732	0.02799	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-9	0.2	0.086	4	No	27	0.1653	0.1345	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWA-6	0.1	0.065	4	No	25	0.08424	0.02613	60	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.09982	0.05664	4	No	28	0.1008	0.06502	32.14	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.1	0.08	4	No	28	0.1009	0.05634	35.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.065	4	No	18	0.08378	0.01749	44.44	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-16	0.1216	0.0622	4	No	28	0.1273	0.103	21.43	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.17	0.12	4	No	28	0.1803	0.1273	3.571	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.1	0.074	4	No	28	0.1168	0.09127	32.14	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.1	0.071	4	No	28	0.1108	0.1016	32.14	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.064	4	No	28	0.1098	0.1212	39.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.08	4	No	27	0.08652	0.02414	59.26	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.33	0.23	4	No	31	0.3523	0.2622	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	30	0.1513	0.1938	23.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	0.65	0.097	4	No	31	0.6821	1.01	6.452	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.08537	0.05534	4	No	28	0.08893	0.02993	46.43	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.17	0.087	4	No	30	0.187	0.1888	16.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-31	0.1	0.055	4	No	16	0.09413	0.01607	87.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-32	0.51	0.13	4	No	18	0.2776	0.3139	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.053	4	No	16	0.08263	0.02392	62.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.23	0.13	4	No	16	0.2181	0.1897	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.15	0.11	4	No	16	0.1529	0.085	6.25	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.43	0.14	4	No	13	0.2469	0.132	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-38D	0.5833	0.3052	4	No	14	0.4443	0.1963	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1328	0.0779	4	No	14	0.1054	0.03876	7.143	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09251	0.06832	4	No	14	0.08543	0.01862	21.43	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.09448	0.07195	4	No	12	0.08725	0.01442	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6267	0.4702	4	No	13	0.5485	0.1053	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.041	0.8481	4	No	14	0.9443	0.1359	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.16	0.088	4	No	12	0.1267	0.0543	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-49D	0.08406	0.06036	4	No	9	0.08344	0.01646	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1456	0.07287	4	No	9	0.1092	0.03766	11.11	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1687	0.1097	4	No	11	0.1392	0.03541	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1326	0.09082	4	No	11	0.1117	0.02509	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-7	0.07364	0.05169	4	No	5	0.0776	0.02122	40	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	25	0.0008676	0.0003112	84	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.0001	0.015	No	24	0.0006778	0.0004329	62.5	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	23	0.0008413	0.000354	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	25	0.0009332	0.0002313	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.0003	0.015	No	25	0.0007459	0.0003912	68	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.00011	0.015	No	18	0.0007945	0.0003957	77.78	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-16	0.001	0.0002	0.015	No	25	0.0006308	0.0004036	52	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	25	0.0009632	0.0001842	96	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0002	0.015	No	25	0.0007508	0.0004083	72	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	25	0.0009127	0.0002556	88	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	25	0.0009273	0.0002516	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000087	0.015	No	24	0.0007285	0.0004322	70.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	25	0.0007934	0.000378	76	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	25	0.000938	0.000216	92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	26	0.0008049	0.0003756	76.92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0005	0.015	No	25	0.000761	0.0003743	68	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00017	0.015	No	25	0.0006384	0.0004198	56	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-31	0.000628	0.0002352	0.015	No	15	0.0006417	0.000381	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	15	0.0008788	0.0003199	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.000054	0.015	No	15	0.0009369	0.0002443	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00018	0.015	No	15	0.0006806	0.00041	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-36D	0.001	0.00017	0.015	No	15	0.000728	0.0003702	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-37D	0.001	0.000082	0.015	No	13	0.0006688	0.000439	61.54	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	13	0.0007515	0.0003888	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.0001	0.015	No	13	0.0009308	0.0002496	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00017	0.015	No	13	0.0006823	0.0004189	61.54	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-41D	0.001	0.001	0.015	No	11	0.0009124	0.0002907	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000044	0.015	No	11	0.0008259	0.0003873	81.82	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.001	0.015	No	11	0.00092	0.0002653	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.001	0.015	No	11	0.0009245	0.0002503	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	9	0.0008938	0.0003187	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	9	0.0009044	0.0002867	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00016	0.015	No	11	0.0007755	0.000385	72.73	None	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.0001	0.015	No	11	0.0007513	0.0004262	72.73	None	No	0.006	NP (NDs)
Lithium (mg/L)	BGWC-7	0.0092	0.0066	0.04	No	27	0.008574	0.003537	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	27	0.02893	0.005581	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.002	0.0013	0.04	No	26	0.01024	0.01344	30.77	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	24	0.02878	0.005956	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.0011	0.04	No	27	0.01206	0.01406	37.04	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	27	0.014	0.01459	44.44	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00091	0.04	No	18	0.0124	0.01445	38.89	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00112	0.04	No	27	0.02784	0.007792	92.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	27	0.02891	0.005641	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.08406	0.03336	0.04	No	10	0.05871	0.02842	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02723	0.01843	0.04	No	27	0.02283	0.009219	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02458	0.01497	0.04	No	27	0.01977	0.01007	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0078	0.0057	0.04	No	28	0.007377	0.002935	10.71	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0169	0.0014	0.04	No	27	0.009006	0.007641	14.81	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	16	0.02453	0.01176	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01912	0.01219	0.04	No	16	0.01566	0.005327	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0012	0.04	No	16	0.003505	0.004565	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-37D	0.025	0.0025	0.04	No	12	0.009882	0.01269	0	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-38D	0.01371	0.004653	0.04	No	12	0.009183	0.005774	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005123	0.003206	0.04	No	13	0.004165	0.001289	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00084	0.04	No	12	0.02029	0.01434	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-41D	0.002184	0.001478	0.04	No	10	0.001831	0.0003954	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-42D	0.03	0.0014	0.04	No	10	0.007413	0.01191	20	None	No	0.011	NP (normality)
Lithium (mg/L)	BGWC-43D	0.02644	0.01851	0.04	No	11	0.02247	0.00476	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.005062	0.002683	0.04	No	11	0.003873	0.001428	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.00831	0.004799	0.04	No	9	0.006554	0.001819	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0015	0.04	No	9	0.01745	0.01488	55.56	None	No	0.002	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	BGWC-51	0.03	0.0015	0.04	No	11	0.0198	0.01416	63.64	None	No	0.006	NP (NDs)
Lithium (mg/L)	BGWC-52	0.03	0.00105	0.04	No	11	0.009966	0.01291	27.27	None	No	0.006	NP (normality)
Lithium (mg/L)	PZ-7	0.03	0.000796	0.04	No	5	0.02416	0.01306	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	25	0.0001941	0.0000294	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	25	0.0001943	0.00002179	92	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	24	0.0001904	0.00002851	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	23	0.000195	0.00002419	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	25	0.0001891	0.00003567	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	25	0.0001875	0.00003604	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	18	0.000195	0.00001465	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	25	0.0001939	0.00002234	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002233	0.0001475	0.002	No	25	0.0002152	0.00006808	16	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	25	0.0001952	0.0000242	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	25	0.0001884	0.0000376	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	25	0.0001946	0.0000268	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	24	0.0002004	0.000002041	95.83	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	25	0.0001894	0.00003753	92	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00013	0.002	No	25	0.000185	0.00004382	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009518	0.0001971	0.002	No	26	0.001023	0.001357	15.38	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	25	0.0001919	0.00003179	92	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.0001	0.002	No	25	0.0001604	0.00006033	68	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	15	0.0001927	0.00001944	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	15	0.0001933	0.00001799	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	15	0.0001933	0.00001799	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.00018	0.002	No	15	0.000196	0.00001121	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.00012	0.002	No	13	0.0002208	0.0001133	69.23	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-39	0.0002	0.00015	0.002	No	14	0.0001964	0.00001336	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-41D	0.0002	0.0002	0.002	No	11	0.0001982	0.00000603	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-43D	0.0002	0.0002	0.002	No	11	0.0001955	0.00001508	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.0002	0.002	No	11	0.0001973	0.000009045	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0033	0.0002	0.002	No	11	0.001156	0.001536	36.36	None	No	0.006	NP (normality)
Mercury (mg/L)	BGWC-52	0.0002	0.00019	0.002	No	11	0.0001973	0.000006467	81.82	None	No	0.006	NP (NDs)
Mercury (mg/L)	PZ-7	0.0009941	0	0.002	No	5	0.000504	0.0003213	20	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	BGWC-7	0.011	0.0098	0.1	No	27	0.01037	0.00231	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.01	0.0013	0.1	No	27	0.005018	0.004058	37.04	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-9	0.003387	0.002659	0.1	No	26	0.003023	0.0007464	3.846	None	No	0.01	Param.
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	24	0.008829	0.003167	87.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.00365	0.002949	0.1	No	27	0.003367	0.0008629	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-14A	0.0045	0.0013	0.1	No	18	0.003558	0.00362	22.22	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	27	0.009638	0.00188	96.3	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.026	0.013	0.1	No	27	0.02396	0.01717	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002912	0.001812	0.1	No	26	0.004177	0.003091	19.23	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.05384	0.04194	0.1	No	30	0.04936	0.01412	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-23	0.0123	0.01036	0.1	No	29	0.01083	0.002701	0	None	x^3	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0026	0.1	No	30	0.006755	0.003921	56.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-25	0.01	0.0039	0.1	No	27	0.007906	0.003396	70.37	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01044	0.004908	0.1	No	29	0.008955	0.006793	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	16	0.009396	0.002417	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.00407	0.003401	0.1	No	17	0.003735	0.0005338	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.00094	0.1	No	16	0.001581	0.001364	12.5	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03561	0.02922	0.1	No	17	0.03241	0.0051	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01254	0.008427	0.1	No	17	0.01048	0.003281	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02037	0.0112	0.1	No	14	0.01621	0.007796	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1132	0.07237	0.1	No	15	0.0928	0.03015	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.006789	0.003411	0.1	No	13	0.0051	0.002272	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Molybdenum (mg/L)	BGWC-40	0.01	0.0012	0.1	No	13	0.007945	0.003907	76.92	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.01153	0.00722	0.1	No	12	0.009375	0.002746	8.333	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01573	0.007211	0.1	No	13	0.01147	0.005727	0	None	No	0.01	Param.
Molybdenum (mg/L)	**BGWC-43D**	**0.1905**	**0.1338**	**0.1**	**Yes**	**14**	**0.1621**	**0.04003**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	BGWC-44D	0.007271	0.001646	0.1	No	12	0.005617	0.004141	16.67	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.006586	0.004637	0.1	No	9	0.005611	0.001009	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.005063	0.00227	0.1	No	9	0.003667	0.001447	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.01	0.1	No	11	0.009336	0.002201	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.005539	0.003347	0.1	No	11	0.004509	0.001611	0	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	25	0.004608	0.001357	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	24	0.002963	0.00194	45.83	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	23	0.004718	0.001031	91.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	25	0.004816	0.00092	96	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	18	0.0048	0.0008485	94.44	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	25	0.003468	0.00163	48	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	25	0.004387	0.00146	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0024	0.05	No	25	0.004476	0.001249	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	25	0.004344	0.001542	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	25	0.004828	0.0006439	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	24	0.00463	0.00126	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.005	0.0026	0.05	No	25	0.004516	0.002092	72	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.005	0.002	0.05	No	25	0.00512	0.002808	84	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.006209	0.0034	0.05	No	26	0.0057	0.005375	11.54	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.00907	0.005418	0.05	No	25	0.007244	0.003664	8	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.00008	0.05	No	15	0.004672	0.00127	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.00015	0.05	No	15	0.004677	0.001252	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.0001	0.05	No	15	0.004673	0.001265	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-35D	0.005	0.0034	0.05	No	15	0.004893	0.0004131	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01277	0.007667	0.05	No	15	0.01022	0.003768	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	13	0.004438	0.0009717	53.85	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	13	0.004538	0.001127	84.62	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-40	0.009182	0.005464	0.05	No	13	0.007323	0.0025	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	11	0.003764	0.001715	63.64	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0027	0.05	No	11	0.004536	0.001038	81.82	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0019	0.05	No	11	0.0042	0.001538	63.64	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-49D	0.005	0.0015	0.05	No	9	0.004611	0.001167	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01135	0.004619	0.05	No	11	0.007982	0.004036	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	11	0.003655	0.001562	45.45	None	No	0.006	NP (normality)
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	27	0.0006823	0.0004077	59.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	26	0.0008402	0.0003349	80.77	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.00007	0.002	No	24	0.0006219	0.0004583	58.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	27	0.000829	0.0003656	81.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.000536	0.0003128	0.002	No	18	0.0004244	0.0001845	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00025	0.0002	0.002	No	27	0.0002474	0.0000794	7.407	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.00009	0.002	No	27	0.0006689	0.0004415	62.96	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.00019	0.002	No	27	0.0008663	0.0003275	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.00021	0.002	No	27	0.0007657	0.0004042	74.07	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	27	0.0009141	0.0002478	88.89	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008602	0.0006561	0.002	No	27	0.0007581	0.0002138	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00039	0.002	No	27	0.0007507	0.0003502	62.96	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005187	0.0003629	0.002	No	28	0.0005596	0.0002525	17.86	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.001	0.00034	0.002	No	27	0.0006776	0.0003285	37.04	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-32	0.001	0.00014	0.002	No	16	0.0005896	0.0004312	50	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.000089	0.002	No	16	0.0009431	0.0002278	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00022	0.002	No	16	0.0007943	0.0003699	75	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

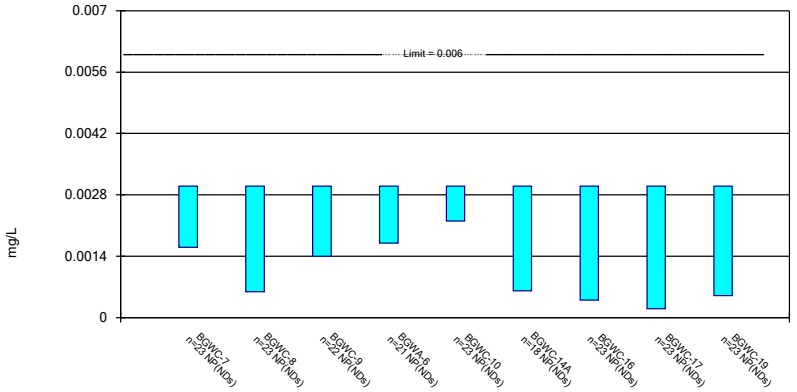
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	BGWC-36D	0.001	0.00018	0.002	No	16	0.0004069	0.0003581	25	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-37D	0.001	0.00048	0.002	No	13	0.00096	0.0001442	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-38D	0.0013	0.00018	0.002	No	13	0.0009682	0.0006372	53.85	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-39	0.001	0.00017	0.002	No	13	0.0006308	0.0004165	53.85	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-40	0.001	0.00014	0.002	No	13	0.0009338	0.0002385	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003264	0.001653	0.002	No	12	0.002492	0.001136	0	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0004	0.002	No	11	0.0008727	0.0002867	81.82	None	No	0.006	NP (NDs)
Thallium (mg/L)	BGWC-52	0.001	0.00023	0.002	No	11	0.0006255	0.0003659	45.45	None	No	0.006	NP (normality)
Thallium (mg/L)	PZ-7	0.001	0.0002	0.002	No	5	0.000724	0.0003858	60	None	No	0.031	NP (NDs)

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

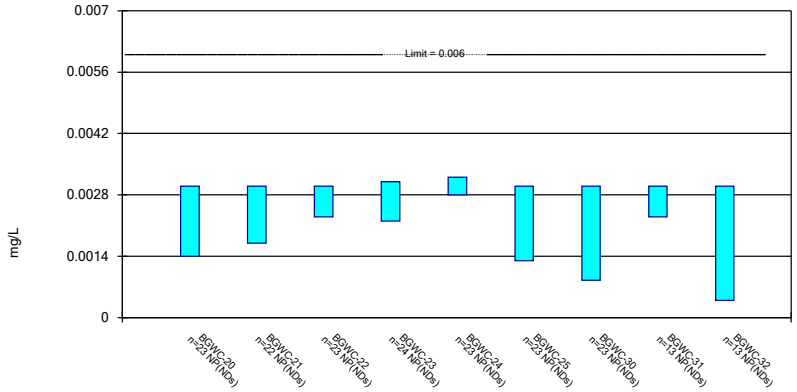


Constituent: Antimony Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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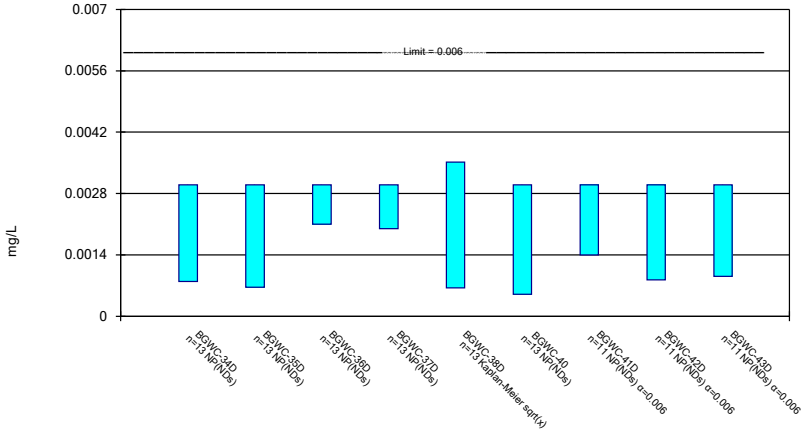


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

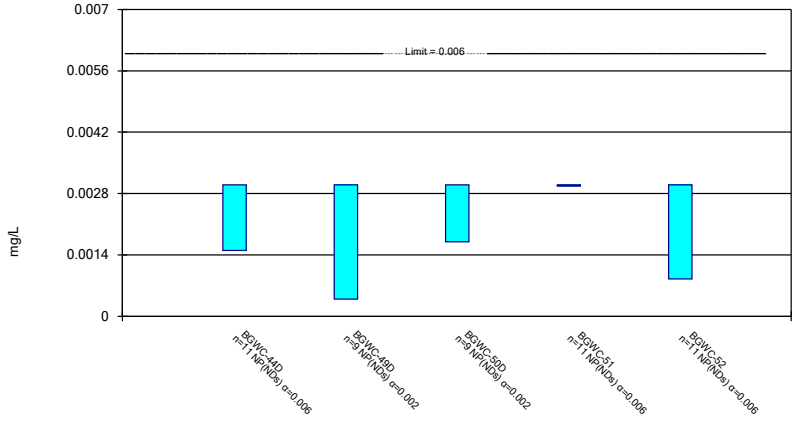


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Non-Parametric Confidence Interval

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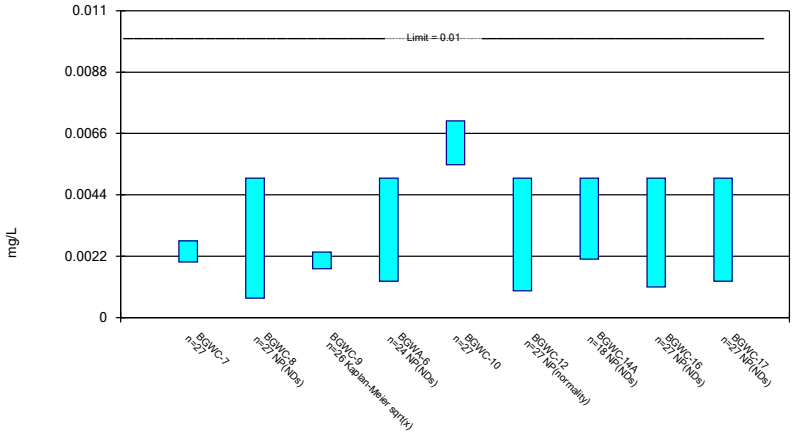


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



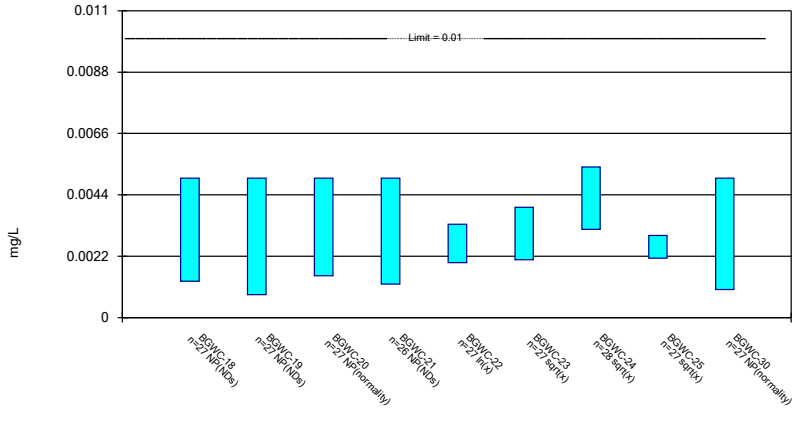
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



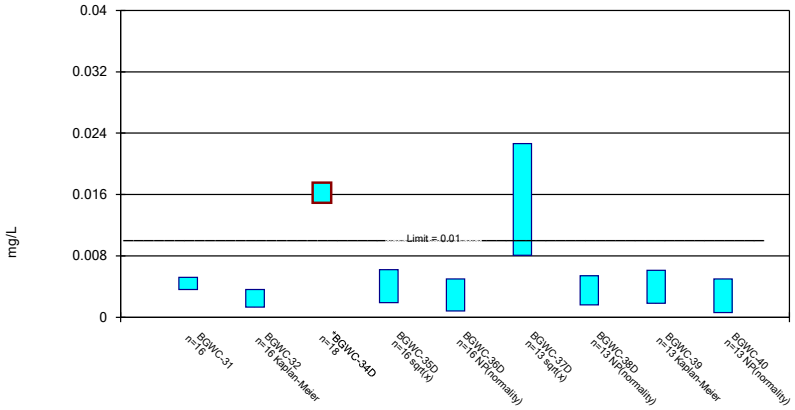
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



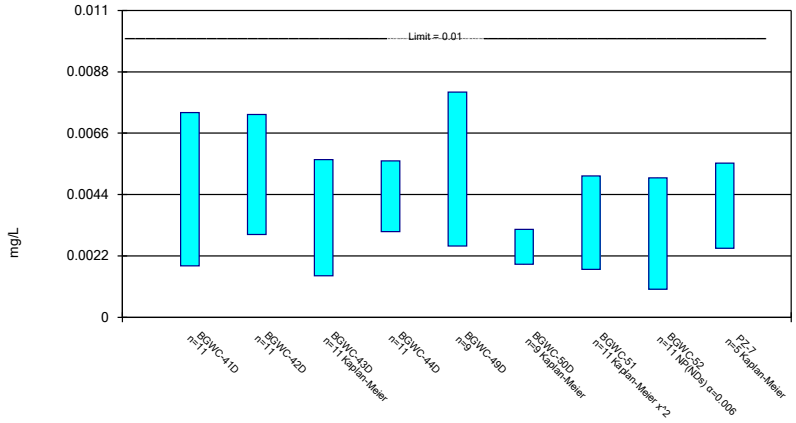
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.



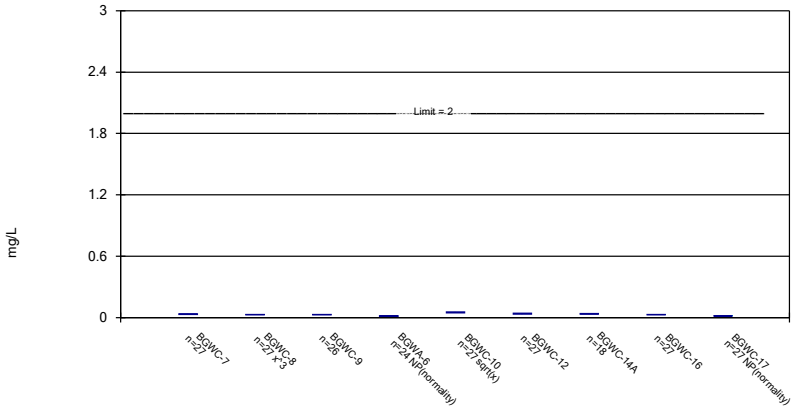
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



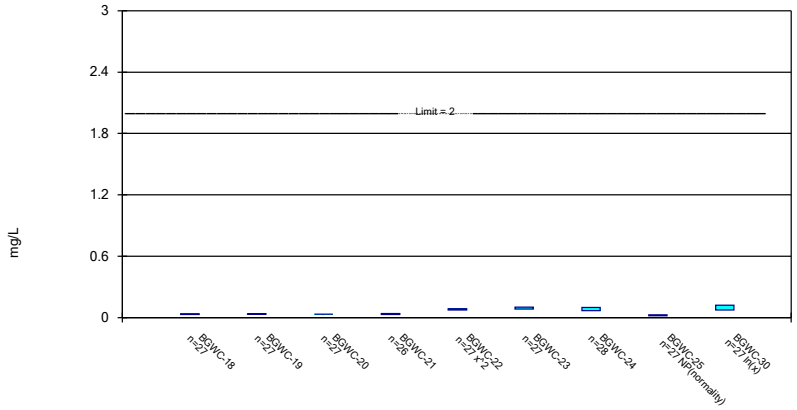
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



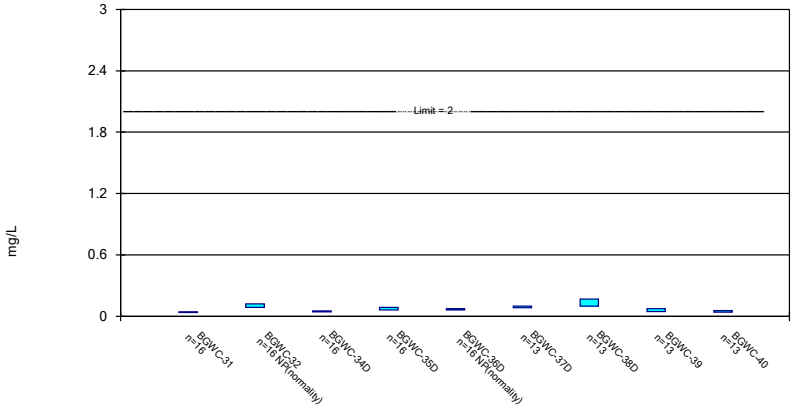
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.



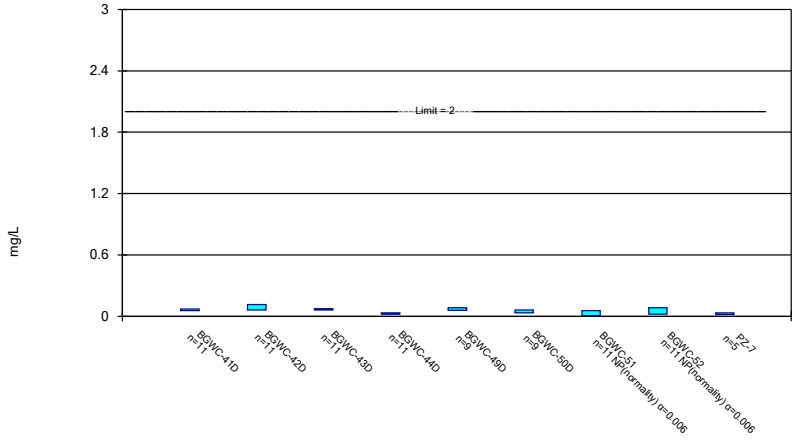
Constituent: Barium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



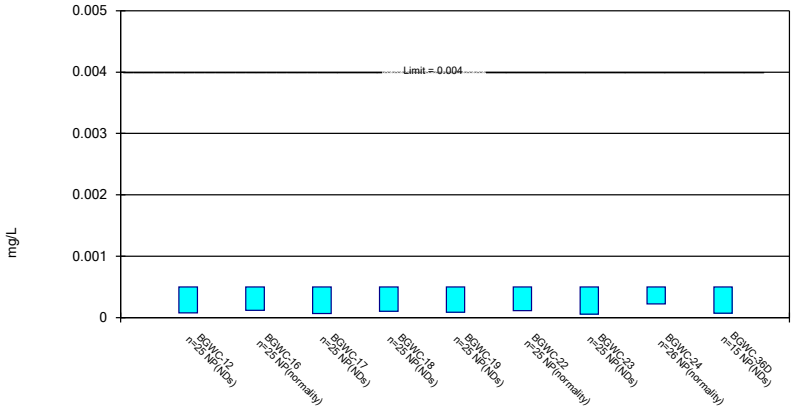
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

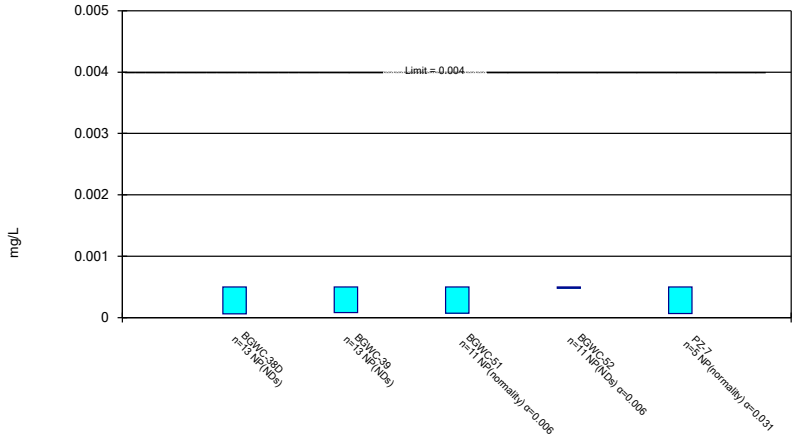


Constituent: Beryllium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

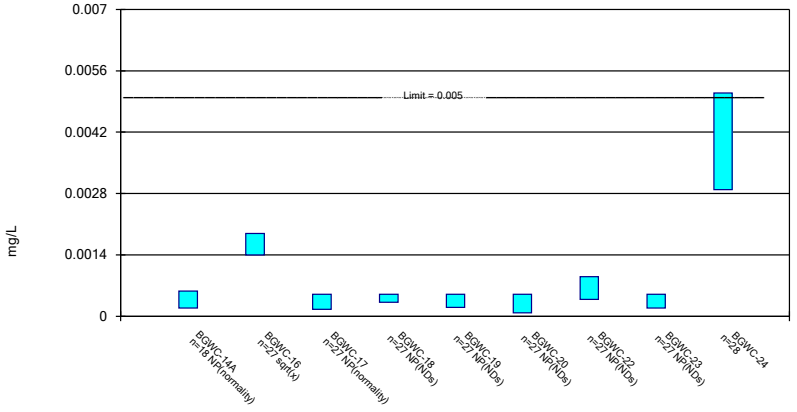


Constituent: Beryllium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

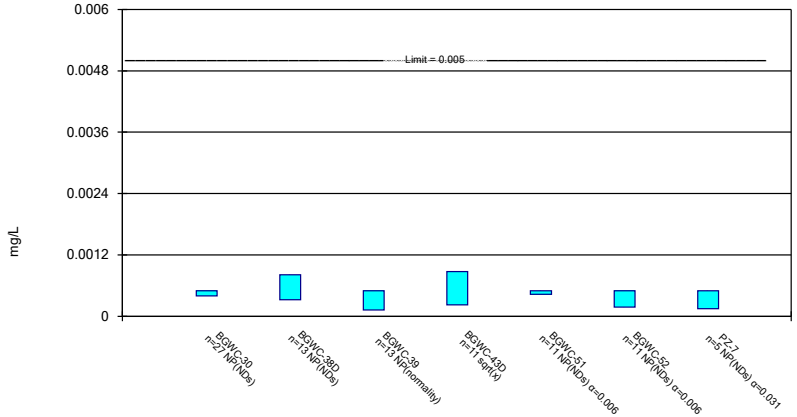


Constituent: Cadmium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

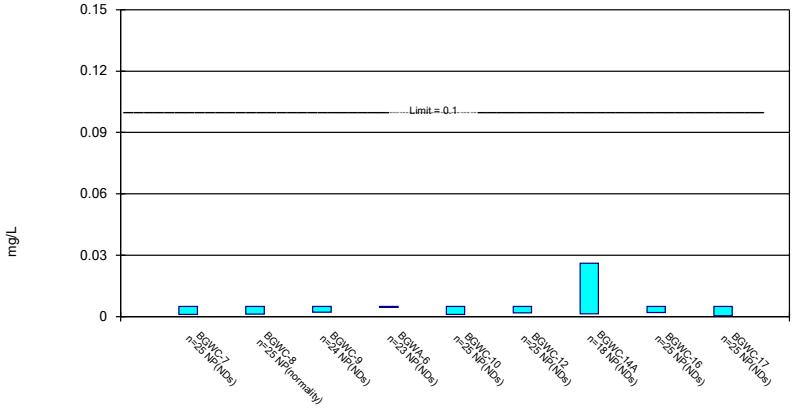


Constituent: Cadmium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

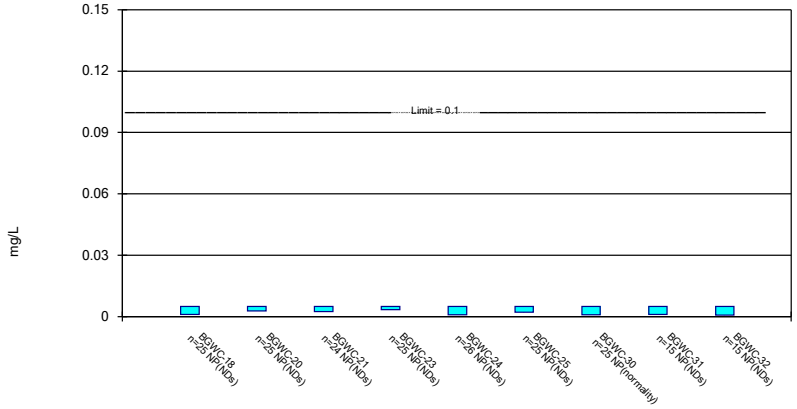


Constituent: Chromium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

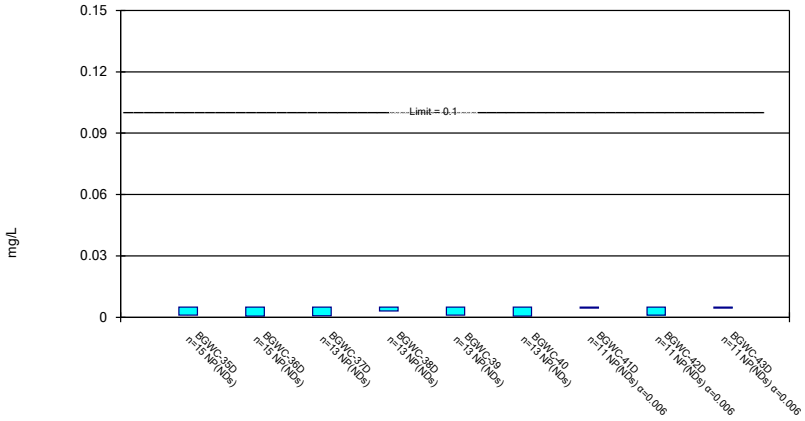


Constituent: Chromium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

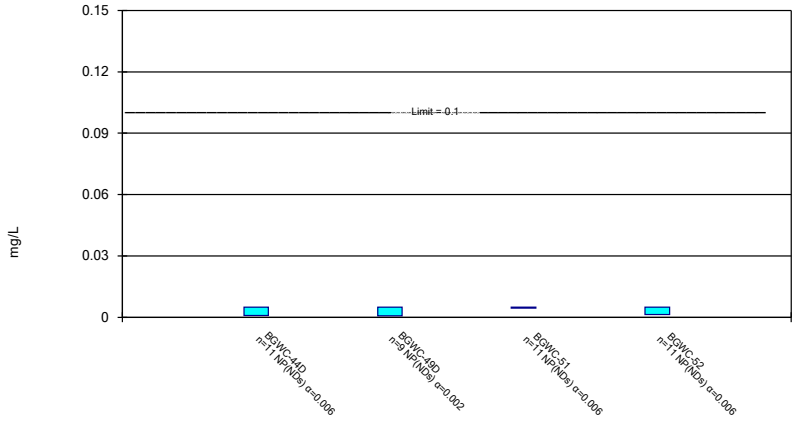


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

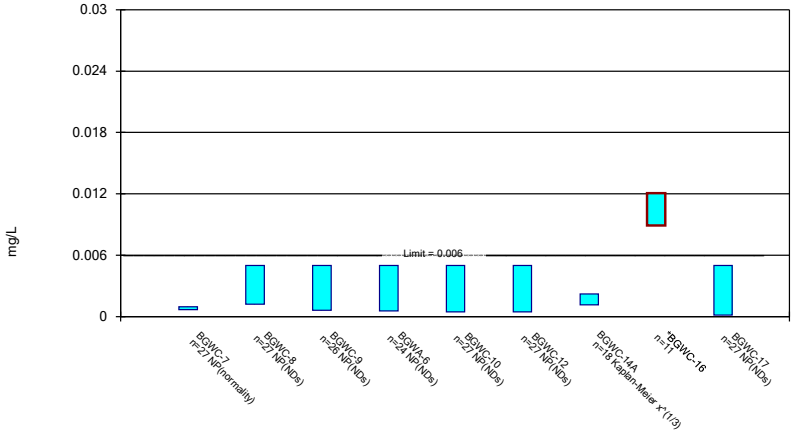


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

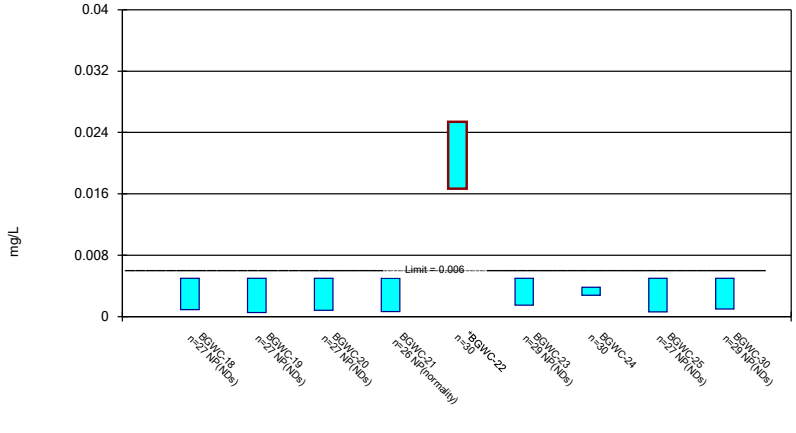


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

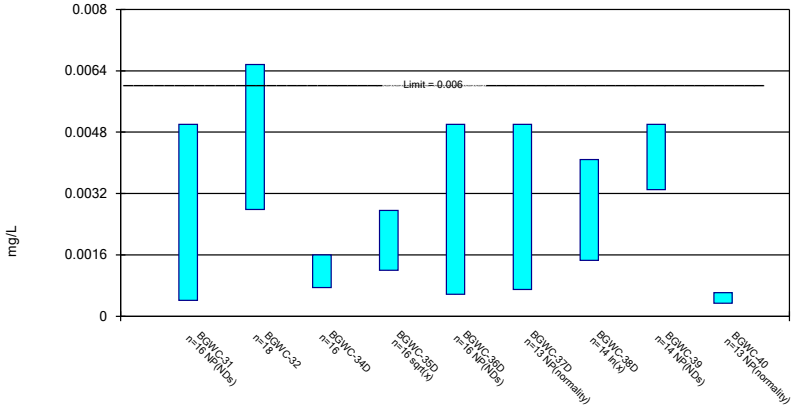


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

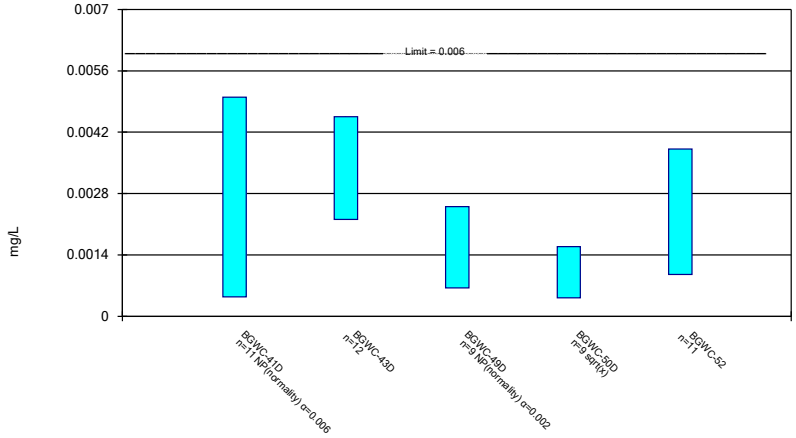


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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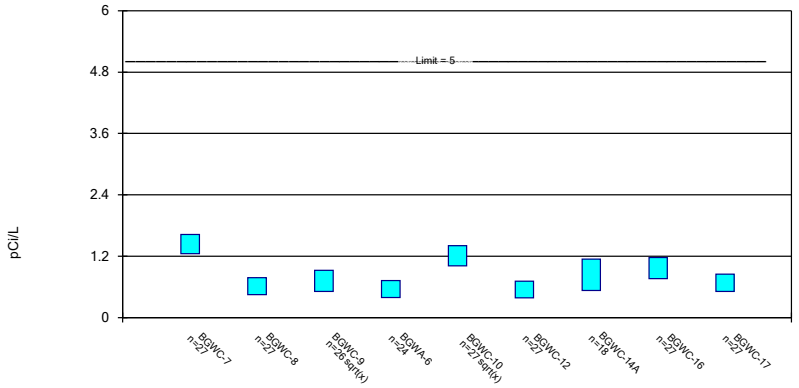


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

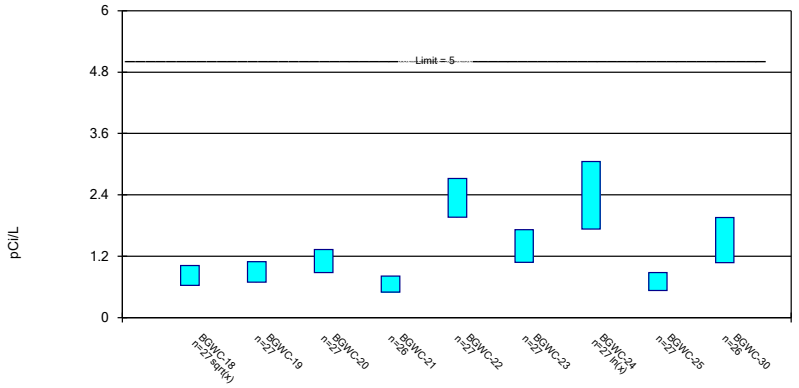


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

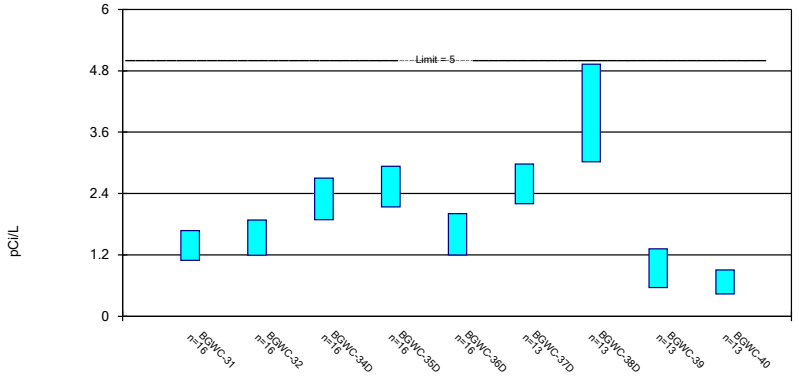


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

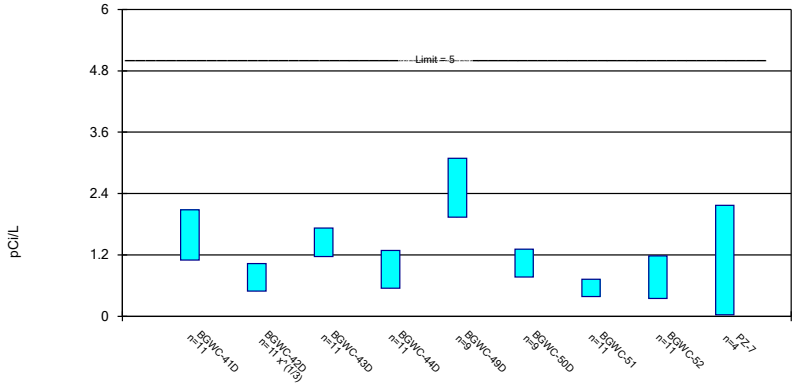


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

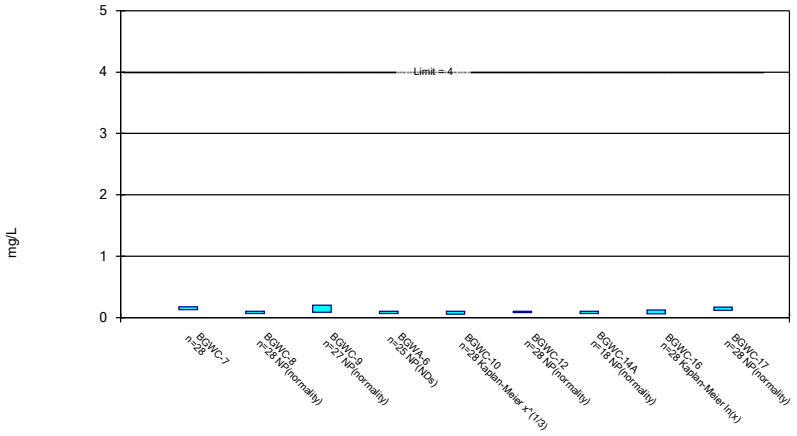


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



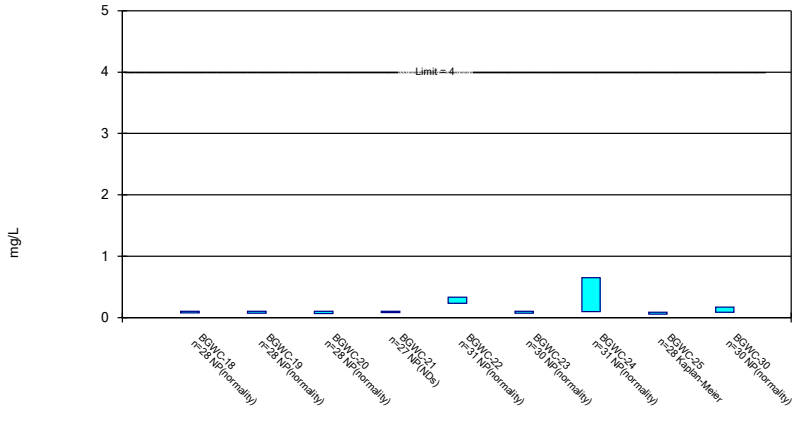
Constituent: Fluoride Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



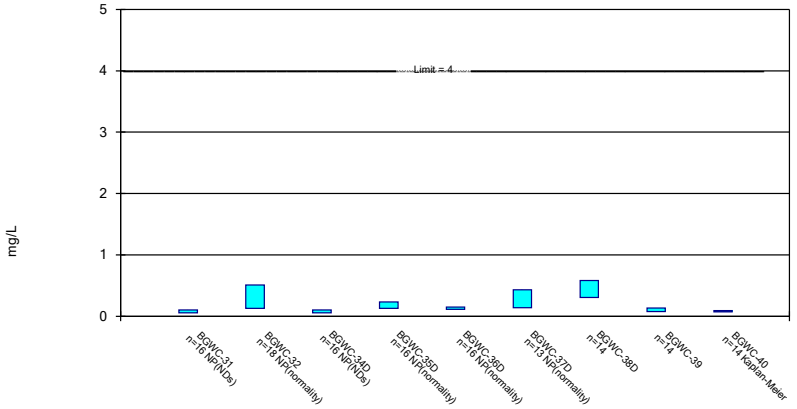
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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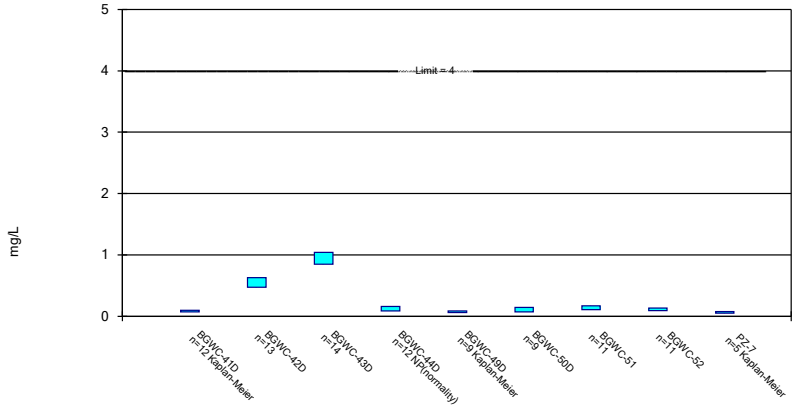
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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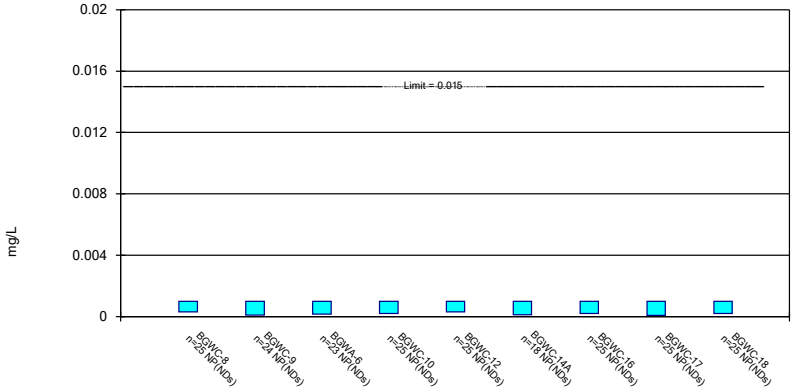
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

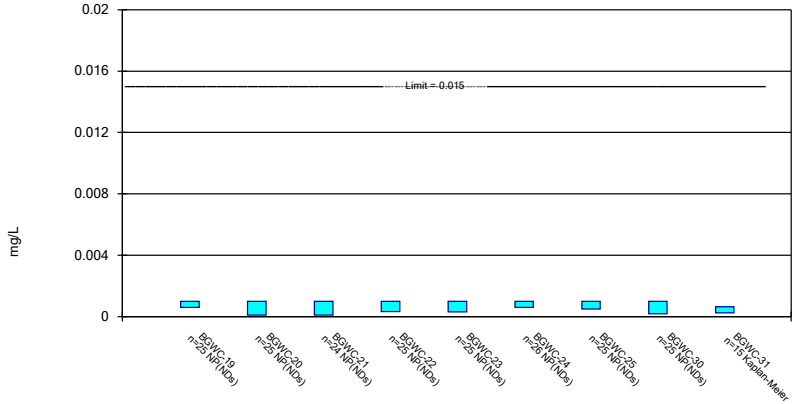


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

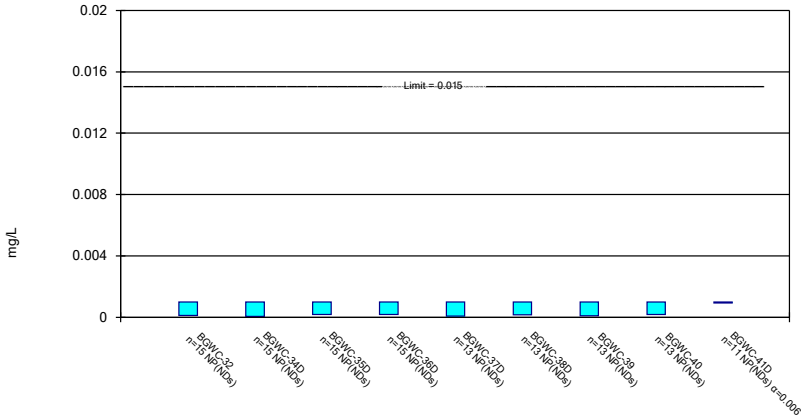


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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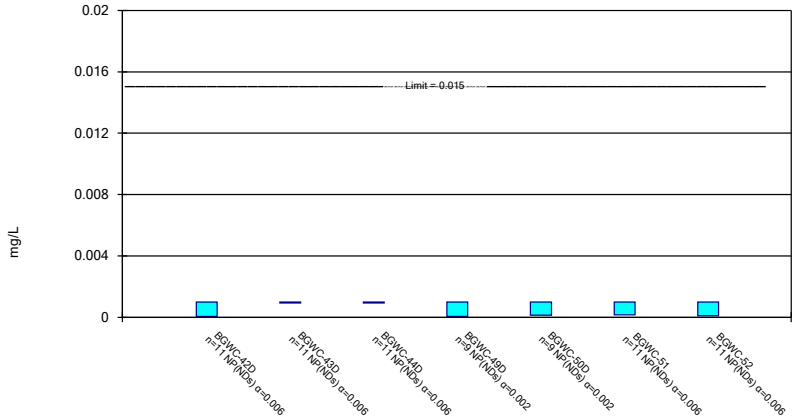


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

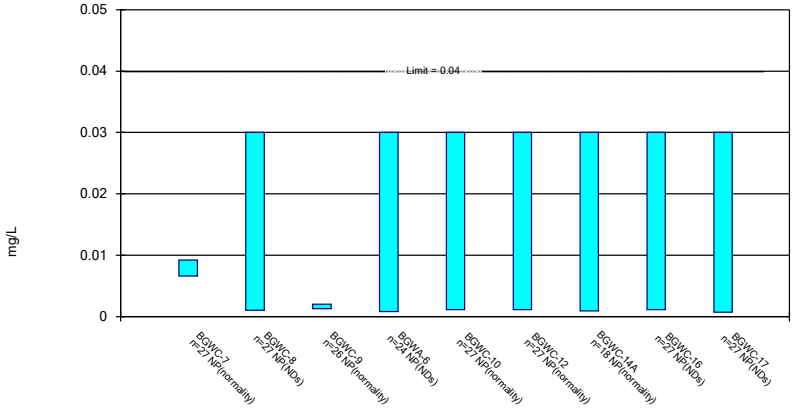


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

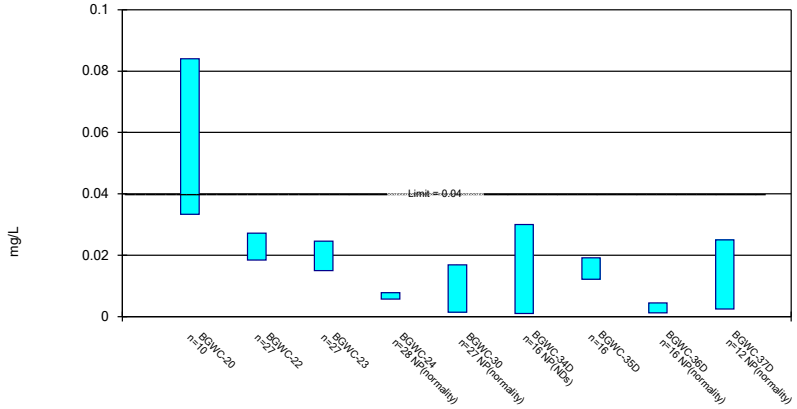


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

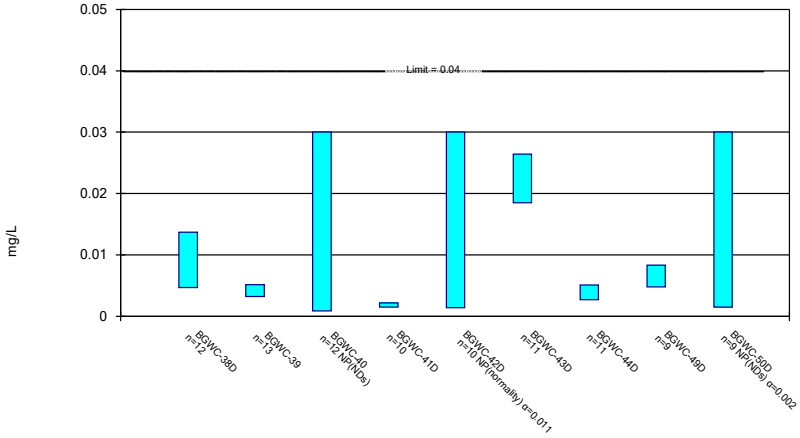


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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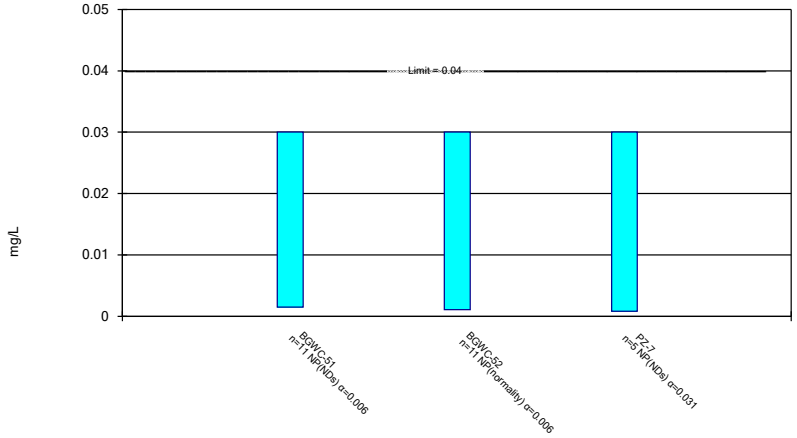


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
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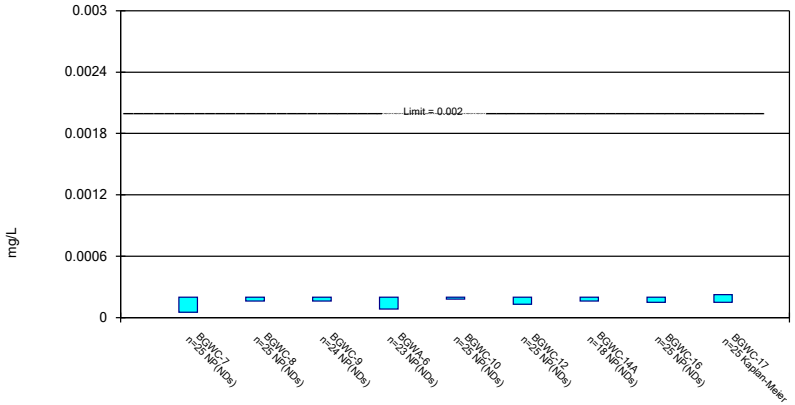


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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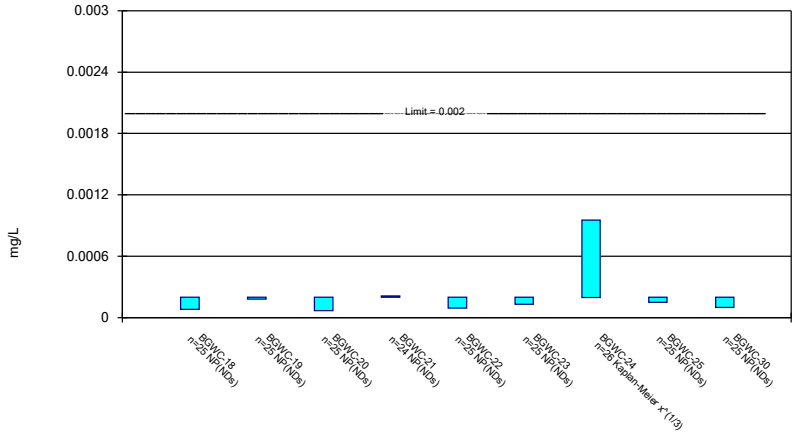


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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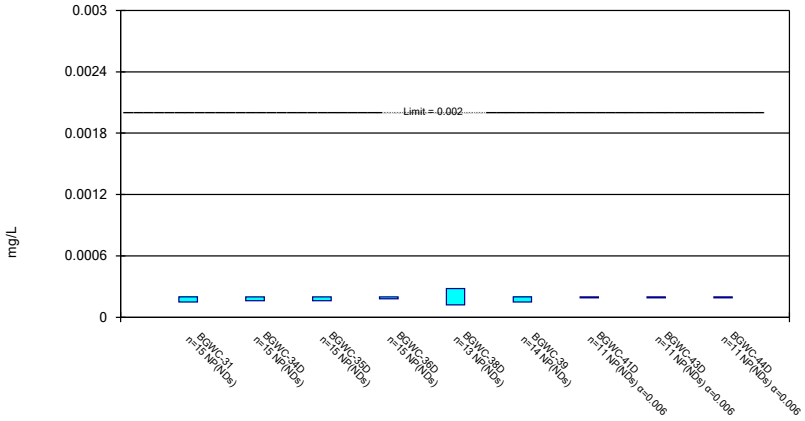


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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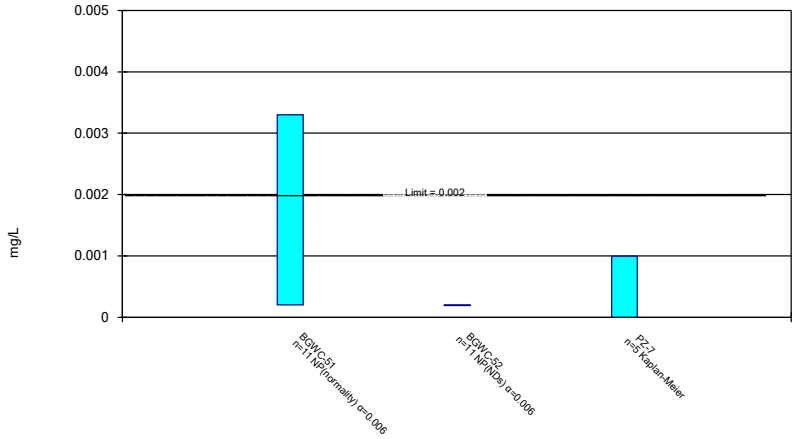


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

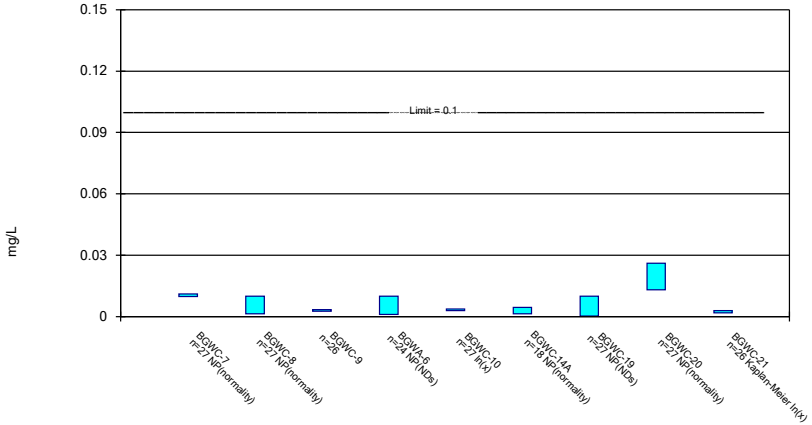


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.

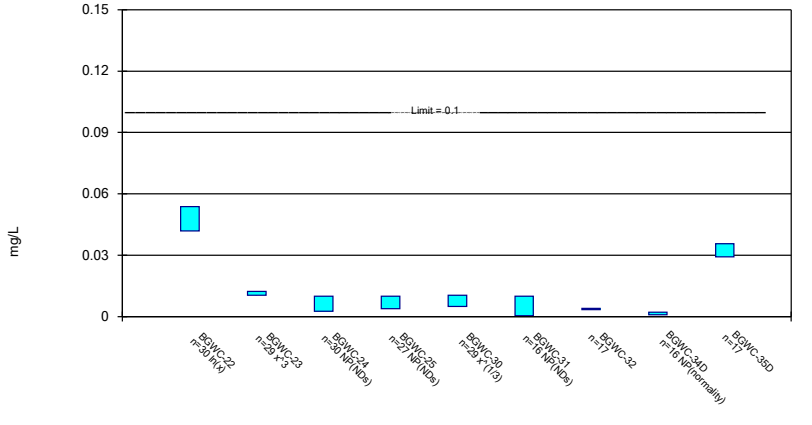


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.

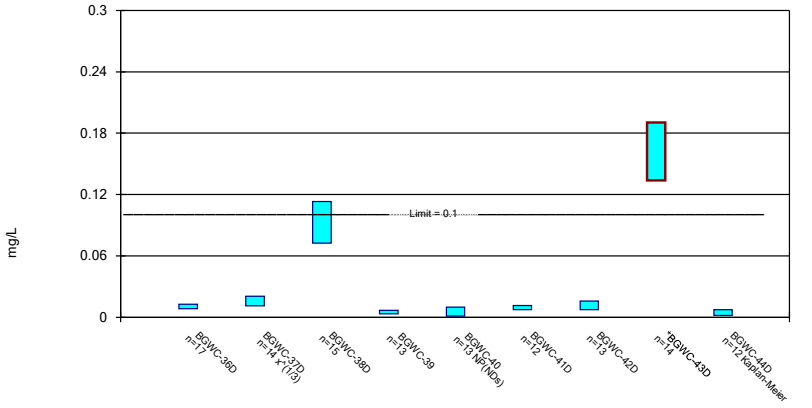


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

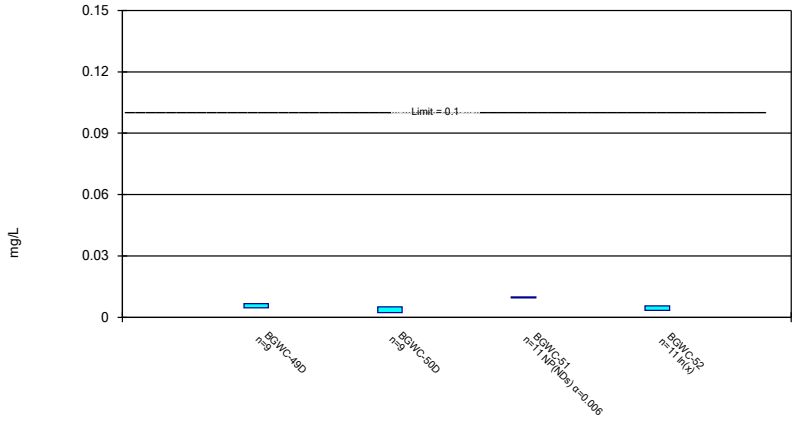


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.

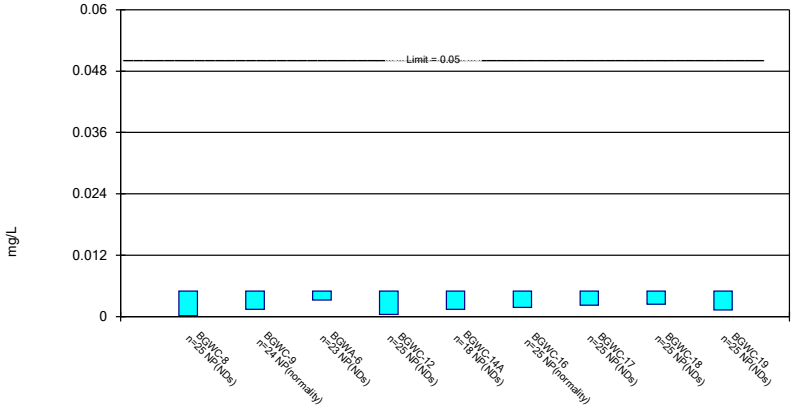


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

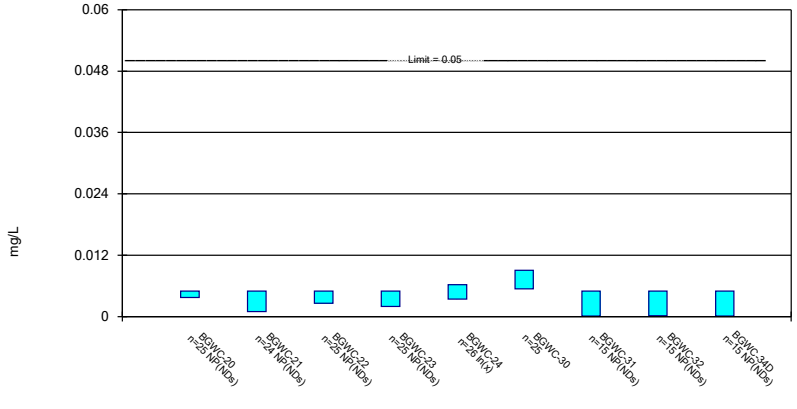


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.

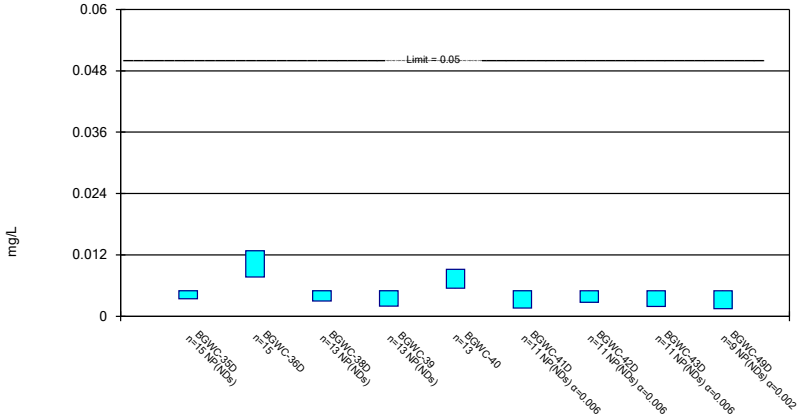


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.

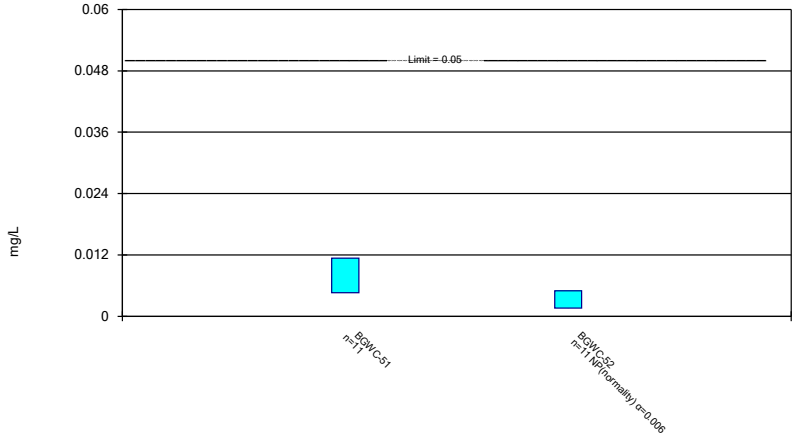


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.

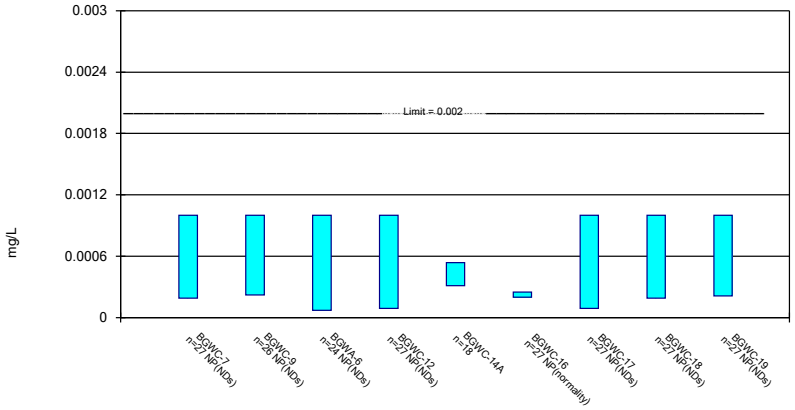


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.



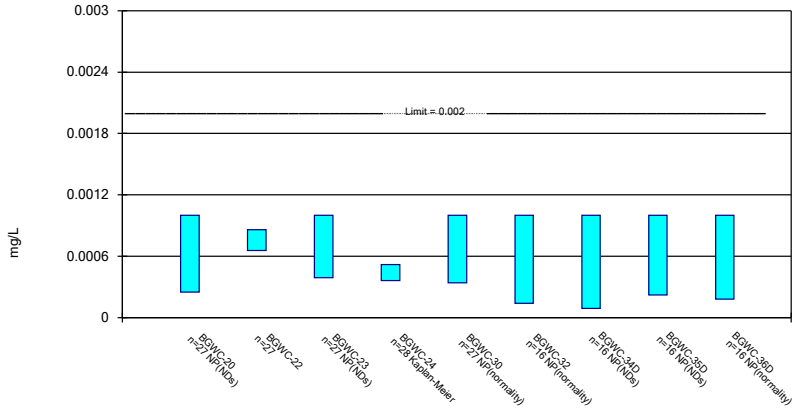
Constituent: Thallium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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.



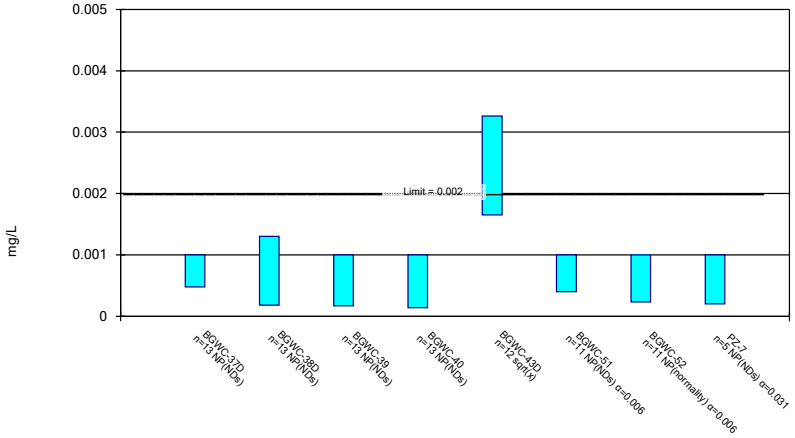
Constituent: Thallium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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 6/3/2025 12:11 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19
6/6/2016			<0.003	<0.003					
6/7/2016		<0.003			0.0022 (J)		<0.003	<0.003	
6/8/2016	<0.003								<0.003
8/10/2016		0.0004 (J)		<0.003					
8/11/2016	0.0005 (J)		0.0003 (J)				0.0004 (J)	0.0002 (J)	
8/12/2016									<0.003
8/16/2016					<0.003				
10/4/2016		<0.003		<0.003					
10/5/2016			<0.003						
10/6/2016	0.0015 (J)								
10/7/2016					<0.003		<0.003	<0.003	<0.003
12/1/2016				<0.003					
12/2/2016		<0.003							
12/5/2016			<0.003						
12/6/2016	<0.003				<0.003		<0.003	<0.003	
12/7/2016									<0.003
2/14/2017		<0.003		<0.003					
2/15/2017	<0.003		<0.003						
2/16/2017					<0.003		<0.003	<0.003	<0.003
4/13/2017				<0.003					
4/14/2017		<0.003							
4/17/2017			<0.003						
4/18/2017	0.0003 (J)				<0.003		<0.003		
4/19/2017								<0.003	<0.003
5/25/2017				<0.003					
5/26/2017		<0.003	<0.003						
5/30/2017							<0.003	<0.003	
6/1/2017									<0.003
6/2/2017	<0.003				<0.003				
7/7/2017				<0.003					
7/10/2017		<0.003							
7/11/2017			<0.003						
7/12/2017					<0.003				
7/14/2017	<0.003						<0.003	<0.003	<0.003
3/26/2018		<0.003							
3/27/2018	<0.003		<0.003		<0.003		<0.003	<0.003	<0.003
2/25/2019		<0.003					<0.003		
2/27/2019								<0.003	
2/28/2019	<0.003				<0.003				
3/1/2019									<0.003
2/18/2020				<0.003					
2/19/2020		<0.003							
2/20/2020			<0.003		<0.003		<0.003		
2/21/2020	0.0016 (J)								
2/24/2020								<0.003	<0.003
3/18/2020		<0.003							
3/19/2020	<0.003		<0.003	<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			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19
9/2/2020						<0.003			
9/23/2020		<0.003		<0.003					
9/24/2020			<0.003		<0.003		<0.003	<0.003	
9/25/2020	<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			
2/16/2021		0.00046 (J)							
2/17/2021			0.00075 (J)						
2/18/2021	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2021		0.00059 (J)	0.00038 (J)			<0.003	<0.003	<0.003	
3/26/2021									<0.003
3/30/2021	<0.003				<0.003				
3/31/2021				<0.003					
8/16/2021				<0.003					
8/18/2021		<0.003	0.0014 (J)		<0.003	<0.003	<0.003		
8/19/2021	<0.003							<0.003	
8/20/2021									<0.003
2/9/2022				<0.003		<0.003			
2/10/2022		<0.003	<0.003						
2/11/2022	<0.003				0.0021 (J)		<0.003	<0.003	
2/16/2022									<0.003
7/26/2022		<0.003	<0.003	<0.003		<0.003			
7/27/2022							<0.003	<0.003	<0.003
7/28/2022	<0.003				0.0015 (J)				
1/25/2023				0.0017 (J)					
1/26/2023	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003	
1/27/2023					<0.003				<0.003
8/15/2023				<0.003					
8/16/2023		<0.003				<0.003			
8/17/2023	<0.003		<0.003		<0.003		<0.003	<0.003	
8/18/2023									<0.003
1/31/2024				<0.003					
2/1/2024		<0.003	<0.003		<0.003	<0.003	<0.003	<0.003	
2/2/2024	<0.003								<0.003
8/15/2024				<0.003					
8/16/2024	<0.003	<0.003				<0.003			
8/19/2024			<0.003				<0.003	<0.003	<0.003
8/20/2024					<0.003				
2/4/2025				<0.003					
2/5/2025		<0.003	<0.003			<0.003			
2/6/2025	<0.003				<0.003		<0.003		
2/7/2025								<0.003	<0.003
Mean	0.002648	0.002672	0.002583	0.002938	0.002861	0.002717	0.002887	0.002878	0.002891
Std. Dev.	0.0008229	0.0008671	0.0009247	0.0002837	0.0003846	0.0008247	0.0005421	0.0005838	0.0005213
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0016	0.00059	0.0014	0.0017	0.0022	0.00061	0.0004	0.0002	0.0005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32
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			
1/23/2017							<0.003		
2/7/2017							<0.003		
2/17/2017	<0.003	<0.003	<0.003						
2/20/2017				<0.003	<0.003	<0.003			
3/27/2017							<0.003		
4/17/2017							<0.003		
4/19/2017	<0.003	<0.003		<0.003	<0.003				
4/20/2017			<0.003			<0.003			
5/22/2017							<0.003		
6/1/2017	<0.003	<0.003				<0.003			
6/5/2017			<0.003	<0.003	<0.003		<0.003		
7/11/2017							<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							<0.003		
3/26/2018							<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	<0.003		
2/24/2020	<0.003								
2/25/2020			<0.003	<0.003					
2/26/2020		<0.003			<0.003	<0.003	<0.003	<0.003	
2/27/2020									<0.003
3/20/2020		<0.003	<0.003						
3/23/2020	0.0014 (J)			0.00053 (J)			<0.003	<0.003	
3/24/2020						<0.003			<0.003
3/25/2020					<0.003				
9/24/2020		<0.003	<0.003	<0.003					
9/25/2020					0.00048 (J)		<0.003		0.00039 (J)
9/28/2020	0.0005 (J)					<0.003		0.00038 (J)	
2/18/2021	<0.003								
2/19/2021		<0.003	0.00028 (J)	0.00031 (J)	0.00036 (J)				
2/22/2021								<0.003	
2/23/2021						<0.003			0.00036 (J)
3/8/2021							<0.003		
3/25/2021							<0.003		
3/26/2021				<0.003	<0.003	<0.003			
3/29/2021	<0.003	<0.003	<0.003					<0.003	
3/30/2021									<0.003
8/19/2021						<0.003	<0.003		
8/20/2021	<0.003	0.0014 (J)						<0.003	
8/23/2021			<0.003	0.0029 (J)	0.0028 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32
8/25/2021									<0.003
2/14/2022				0.0014 (J)			<0.003		
2/15/2022			<0.003		0.0048				
2/16/2022	<0.003	0.0017 (J)				<0.003		<0.003	<0.003
7/27/2022	<0.003					<0.003			
7/28/2022		<0.003						<0.003	
7/29/2022									<0.003
8/1/2022				0.0022 (J)			<0.003		
8/2/2022			<0.003		0.015 (O)				
10/21/2022					0.0032				
1/27/2023		<0.003				<0.003		<0.003	
1/30/2023	<0.003								
1/31/2023									<0.003
2/1/2023					<0.003		<0.003		
2/2/2023				0.007					
2/7/2023			<0.003						
5/10/2023				0.0032					
8/17/2023						<0.003			
8/18/2023	<0.003							<0.003	<0.003
8/21/2023							<0.003		
8/22/2023			<0.003						
8/23/2023		<0.003		<0.003					
8/25/2023					0.0021 (J)				
1/30/2024					<0.003				
2/2/2024								0.0023 (J)	
2/5/2024	<0.003	<0.003				0.00058 (J)			
2/6/2024							<0.003		
2/8/2024			<0.003	0.00089 (J)					<0.003
8/19/2024								<0.003	
8/20/2024	<0.003					<0.003			
8/21/2024			<0.003		0.009				<0.003
8/22/2024		<0.003		0.0029 (J)			0.00085 (J)		
2/6/2025	<0.003							<0.003	
2/10/2025		<0.003				<0.003	<0.003		
2/11/2025				0.0031	0.0032				
2/12/2025									<0.003
2/13/2025			0.00085 (J)						
Mean	0.002822	0.002868	0.002719	0.00268	0.003084	0.002821	0.002907	0.002745	0.002596
Std. Dev.	0.000606	0.0004292	0.000723	0.001302	0.001557	0.0006033	0.0004483	0.0007363	0.0009858
Upper Lim.	0.003	0.003	0.003	0.0031	0.0032	0.003	0.003	0.003	0.003
Lower Lim.	0.0014	0.0017	0.0023	0.0022	0.0028	0.0013	0.00085	0.0023	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
2/25/2020		<0.003		<0.003					
2/26/2020			<0.003						
2/27/2020	<0.003				0.0003 (J)				
2/28/2020						<0.003			
3/23/2020			<0.003						
3/24/2020	<0.003			<0.003	<0.003				
3/25/2020		<0.003				<0.003			
9/2/2020					0.0016 (J)		0.0014 (J)		
9/3/2020								0.00072 (J)	0.00091 (J)
9/25/2020		0.00064 (J)		0.0022 (J)					
9/28/2020	0.00049 (J)		<0.003						
9/29/2020						<0.003			
2/19/2021	<0.003								
2/22/2021		0.00066 (J)		0.00041 (J)		<0.003	<0.003	0.0019 (J)	
3/8/2021			0.00096 (J)						0.00058 (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	0.00079 (J)					0.0005 (J)			
3/31/2021							<0.003		
4/1/2021								0.0019 (J)	
8/19/2021					0.01				
8/20/2021		<0.003		<0.003				0.00083 (J)	
8/23/2021			<0.003						<0.003
8/24/2021	<0.003					<0.003	0.0014 (J)		
2/14/2022			<0.003		0.0067				
2/15/2022							<0.003		<0.003
2/16/2022	<0.003					<0.003			
2/17/2022		<0.003		<0.003				<0.003	
7/28/2022	<0.003	<0.003		<0.003		<0.003		<0.003	
7/29/2022			<0.003				<0.003		
8/1/2022									<0.003
8/2/2022					0.0015 (J)				
1/30/2023	<0.003	<0.003		<0.003				<0.003	
1/31/2023						<0.003			
2/1/2023			<0.003				<0.003		
2/7/2023					0.00082 (J)				<0.003
8/18/2023	<0.003					<0.003			
8/21/2023			<0.003		<0.003				
8/23/2023							<0.003		<0.003
8/24/2023		<0.003		<0.003				<0.003	
1/30/2024			0.0021 (J)						0.0015 (J)
2/5/2024	<0.003								
2/6/2024					0.0026 (J)				
2/7/2024		0.0023 (J)		<0.003		<0.003	<0.003	<0.003	
8/20/2024	<0.003		<0.003			<0.003		<0.003	
8/21/2024							<0.003		<0.003
8/22/2024		0.0013 (J)		<0.003	0.0013 (J)				
2/5/2025			<0.003						
2/6/2025	<0.003								
2/10/2025						<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
2/11/2025		0.00086 (J)		0.002 (J)	0.001 (J)			<0.003	<0.003
2/12/2025							<0.003		
Mean	0.002637	0.002289	0.002774	0.002662	0.002726	0.002808	0.002709	0.002395	0.002454
Std. Dev.	0.0008884	0.001018	0.0005991	0.0007564	0.002749	0.0006934	0.0006472	0.0009114	0.0009587
Upper Lim.	0.003	0.003	0.003	0.003	0.003519	0.003	0.003	0.003	0.003
Lower Lim.	0.00079	0.00066	0.0021	0.002	0.0006452	0.0005	0.0014	0.00083	0.00091

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
9/3/2020	0.0021 (J)				
1/28/2021				<0.003	0.0019 (J)
2/18/2021	0.009				
2/23/2021				<0.003	0.00053 (J)
3/30/2021				0.0019 (J)	0.00085 (J)
3/31/2021	0.0026 (J)				
4/19/2021		0.00039 (J)	0.0019 (J)		
8/18/2021	0.0015 (J)		<0.003		
8/23/2021				<0.003	<0.003
8/24/2021		<0.003			
2/9/2022	<0.003		<0.003		
2/14/2022				<0.003	<0.003
2/17/2022		<0.003			
7/26/2022	0.0011 (J)		<0.003		
7/28/2022					<0.003
8/1/2022		<0.003		<0.003	
1/25/2023	<0.003		0.0017 (J)		
1/31/2023				<0.003	<0.003
2/1/2023		<0.003			
8/15/2023	<0.003		<0.003		
8/21/2023				<0.003	
8/22/2023		<0.003			<0.003
1/31/2024	<0.003		<0.003		
2/5/2024				<0.003	<0.003
2/6/2024		<0.003			
8/15/2024	<0.003				
8/16/2024			<0.003		
8/20/2024				<0.003	<0.003
8/21/2024		<0.003			
2/5/2025	<0.003		<0.003		
2/6/2025				<0.003	
2/7/2025					<0.003
2/10/2025		<0.003			
Mean	0.003118	0.00271	0.002733	0.0029	0.00248
Std. Dev.	0.002066	0.00087	0.0005315	0.0003317	0.0009465
Upper Lim.	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0015	0.00039	0.0017	0.003	0.00085

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.0022	<0.005					
6/7/2016		0.00018 (J)			0.0039	<0.005		<0.005	<0.005
6/8/2016	0.0024								
8/10/2016		<0.005		<0.005					
8/11/2016	0.0024 (J)		0.0028 (J)					<0.005	<0.005
8/12/2016						0.0009 (J)			
8/16/2016					0.0091				
10/4/2016		<0.005		<0.005					
10/5/2016			0.002 (J)						
10/6/2016	<0.005					<0.005			
10/7/2016					0.0074			<0.005	<0.005
12/1/2016				<0.005					
12/2/2016		<0.005							
12/5/2016			<0.005			<0.005			
12/6/2016	<0.005				0.0044 (J)			<0.005	<0.005
2/14/2017		<0.005		<0.005					
2/15/2017	0.003 (J)		0.0033 (J)			<0.005			
2/16/2017					0.0081			<0.005	<0.005
4/13/2017				0.0007 (J)					
4/14/2017		0.0007 (J)							
4/17/2017			0.0028 (J)						
4/18/2017	0.0029 (J)				0.0084	0.0009 (J)		0.0007 (J)	
4/19/2017									0.0012 (J)
5/25/2017				0.0013 (J)					
5/26/2017		0.0008 (J)	0.0035 (J)						
5/30/2017								0.0008 (J)	0.0006 (J)
6/2/2017	0.0031 (J)				0.008	0.0015 (J)			
7/7/2017				<0.005					
7/10/2017		0.0011 (J)							
7/11/2017			0.0033 (J)						
7/12/2017					0.0063				
7/13/2017						0.0006 (J)			
7/14/2017	0.0017 (J)							0.0008 (J)	<0.005
3/26/2018		0.0009 (J)							
3/27/2018	0.0028 (J)		0.0021 (J)		0.0064			0.0014 (J)	0.00076 (J)
3/28/2018						0.0015 (J)			
6/12/2018		0.00065 (J)	0.0015 (J)					0.00073 (J)	
6/13/2018	0.0023 (J)								
6/14/2018					0.0075	0.00096 (J)			<0.005
10/16/2018		0.00064 (J)		0.00095 (J)					
10/17/2018			0.0035 (J)			<0.005			<0.005
10/18/2018	0.0015 (J)				0.0056			<0.005	
2/25/2019		<0.005						<0.005	
2/27/2019									0.001 (J)
2/28/2019	0.0011 (J)				0.0058	<0.005			
4/1/2019		0.00041 (J)	0.0026 (J)			0.00028 (J)			
4/2/2019	0.0016 (J)			0.00032 (J)	0.0057			0.0003 (J)	0.00024 (J)
9/23/2019				0.0012 (J)					
9/24/2019	0.0031 (J)	0.00047 (J)	0.0033 (J)						
9/25/2019					0.0058	0.00085 (J)			
9/26/2019								0.00074 (J)	0.0008 (J)
2/18/2020				0.0019 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2020		0.0011 (J)							
2/20/2020			0.0019 (J)		0.0067			0.00042 (J)	
2/21/2020	0.0018 (J)								
2/24/2020						0.00039 (J)			<0.005
3/18/2020		0.00042 (J)							
3/19/2020	0.0018 (J)		0.0014 (J)	<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		<0.005					
9/24/2020			0.0021 (J)		0.006			<0.005	<0.005
9/25/2020	0.0025 (J)					<0.005			
10/1/2020							<0.005		
11/10/2020							<0.005		
12/15/2020							<0.005		
1/20/2021							<0.005		
2/16/2021		<0.005							
2/17/2021			0.0019 (J)						
2/18/2021	0.0026 (J)			0.0011 (J)	0.0054		<0.005	<0.005	<0.005
2/19/2021						0.0011 (J)			
3/24/2021		0.0012 (J)	0.0025 (J)			0.002 (J)	0.002 (J)	0.0013 (J)	0.0017 (J)
3/30/2021	0.0017 (J)				0.0053				
3/31/2021				<0.005					
8/16/2021				<0.005					
8/18/2021		0.0014 (J)	0.0025 (J)		0.0083	0.0039 (J)	0.0034 (J)	<0.005	
8/19/2021	0.0045 (J)								0.0014 (J)
2/9/2022				<0.005			<0.005		
2/10/2022		<0.005	0.0018 (J)						
2/11/2022	0.0022 (J)				0.0094	<0.005		<0.005	<0.005
7/26/2022		<0.005	<0.005	<0.005			<0.005		
7/27/2022						0.0028 (J)		<0.005	<0.005
7/28/2022	0.0024 (J)				0.005				
1/25/2023				<0.005					
1/26/2023	0.0025 (J)	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
1/27/2023					<0.005				
8/15/2023				<0.005					
8/16/2023		<0.005				<0.005	<0.005		
8/17/2023	0.0041 (J)		<0.005		0.0062			<0.005	<0.005
1/31/2024				<0.005					
2/1/2024		<0.005	0.0012 (J)		0.006	<0.005	<0.005	0.0011 (J)	<0.005
2/2/2024	0.0015 (J)								
8/15/2024				<0.005					
8/16/2024	0.0011 (J)	<0.005					0.0021 (J)		
8/19/2024			0.0024 (J)			0.0028 (J)		0.0031 (J)	0.0013 (J)
8/20/2024					0.0071				
2/4/2025				<0.005					
2/5/2025		<0.005	<0.005			<0.005	<0.005		
2/6/2025	<0.005				0.004 (J)			<0.005	
2/7/2025									<0.005
Mean	0.002374	0.002962	0.002908	0.003853	0.006267	0.002994	0.004144	0.003385	0.003667

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
Std. Dev.	0.0007969	0.002169	0.001214	0.001844	0.001659	0.001986	0.001495	0.00204	0.001938
Upper Lim.	0.002754	0.005	0.002352	0.005	0.007058	0.005	0.005	0.005	0.005
Lower Lim.	0.001994	0.0007	0.001756	0.0013	0.005476	0.00096	0.0021	0.0011	0.0013

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
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		
8/12/2016	<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							
10/10/2016			<0.005	<0.005	0.002 (J)	0.0021 (J)	0.0079	0.0026 (J)	
12/6/2016	<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									<0.005
2/7/2017									<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)	0.0063	0.0029 (J)	
3/27/2017									0.0019 (J)
4/17/2017									0.0017 (J)
4/19/2017	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									0.0034 (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		0.0039 (J)
7/11/2017									0.0016 (J)
7/14/2017	<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									0.001 (J)
3/26/2018									0.0015 (J)
3/27/2018	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			0.00087 (J)	0.0027 (J)			0.0022 (J)	
6/15/2018		0.00074 (J)							0.00089 (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)	0.0027 (J)	0.0026 (J)	0.00064 (J)
2/27/2019	0.00083 (J)		0.0014 (J)						
3/1/2019		<0.005			0.0011 (J)	0.0023 (J)	0.0032 (J)	0.0022 (J)	<0.005
4/2/2019	0.00015 (J)								0.00024 (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	0.00046 (J)	0.00067 (J)	0.00087 (J)						
9/27/2019					0.0013 (J)	0.00096 (J)			0.00042 (J)
9/30/2019				<0.005			0.0027 (J)	0.002 (J)	
2/24/2020	<0.005	<0.005	0.00057 (J)						
2/25/2020					0.0014 (J)	0.0012 (J)			
2/26/2020				0.00047 (J)			0.0013 (J)	0.0018 (J)	0.00053 (J)
3/20/2020	<0.005	<0.005		<0.005	0.0015 (J)				
3/23/2020			<0.005			0.0027 (J)			<0.005
3/24/2020								0.0013 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
3/25/2020							<0.005		
9/24/2020	<0.005			<0.005	0.0019 (J)	0.001 (J)			
9/25/2020							0.0023 (J)		<0.005
9/28/2020		<0.005	<0.005					0.0028 (J)	
2/18/2021	<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									<0.005
3/24/2021	0.0014 (J)								
3/25/2021									0.0015 (J)
3/26/2021		<0.005				<0.005	<0.005	0.0025 (J)	
3/29/2021			<0.005	<0.005	<0.005				
8/19/2021	0.002 (J)							0.0019 (J)	<0.005
8/20/2021		<0.005	<0.005	<0.005					
8/23/2021					0.0036 (J)	0.0043 (J)	0.0032 (J)		
2/14/2022						0.0065			<0.005
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					0.0027 (J)	
7/28/2022				<0.005					
8/1/2022						0.0085			0.0034 (J)
8/2/2022					0.0033 (J)		<0.005		
10/21/2022							0.003 (J)		
1/26/2023	<0.005								
1/27/2023		<0.005		<0.005				<0.005	
1/30/2023			<0.005						
2/1/2023							0.0042 (J)		0.0024 (J)
2/2/2023						0.01			
2/7/2023					0.0028 (J)				
8/17/2023	<0.005							<0.005	
8/18/2023		<0.005	0.0045 (J)						
8/21/2023									<0.005
8/22/2023					0.0095				
8/23/2023				<0.005		0.0062			
8/25/2023							0.0081		
1/30/2024							0.0036 (J)		
2/2/2024	<0.005	0.00086 (J)							
2/5/2024			0.0011 (J)	<0.005				<0.005	
2/6/2024									0.001 (J)
2/8/2024					0.0015 (J)	0.0024 (J)			
8/19/2024	0.0012 (J)	0.0016 (J)							
8/20/2024			0.0076					0.0045 (J)	
8/21/2024					0.009		0.0073		
8/22/2024				<0.005		0.0046 (J)			0.0033 (J)
2/6/2025			<0.005						
2/7/2025	<0.005	<0.005							
2/10/2025				<0.005				0.0013 (J)	<0.005
2/11/2025						<0.005	<0.005		
2/13/2025					<0.005				
Mean	0.003648	0.003193	0.003245	0.003362	0.003044	0.003259	0.004532	0.002593	0.002938
Std. Dev.	0.001974	0.00209	0.002009	0.001984	0.002149	0.002292	0.002587	0.0009306	0.001853
Upper Lim.	0.005	0.005	0.005	0.005	0.003351	0.003958	0.005394	0.002949	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
Lower Lim.	0.0013	0.00082	0.0015	0.0012	0.00197	0.002069	0.003166	0.002128	0.001

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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)		
2/16/2022	0.007	0.0041 (J)	0.02					0.0052	0.0032 (J)
2/17/2022				0.0065		0.011			
7/28/2022	0.0051		0.015	<0.005		0.013			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							0.0025 (J)	0.0055	
1/27/2023	0.0035 (J)								
1/30/2023			0.014	0.005 (J)		0.0074			
1/31/2023		0.004 (J)							0.0022 (J)
2/1/2023					0.0032 (J)				
2/2/2023								0.0048 (J)	
2/7/2023							<0.005		
8/18/2023	0.0054	0.0039 (J)	0.016						<0.005
8/21/2023					0.0062		0.0051		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/23/2023								0.01	
8/24/2023				0.016		0.0086			
1/30/2024					0.0017 (J)				
2/2/2024	0.0023 (J)								
2/5/2024			0.013						
2/6/2024							0.0016 (J)		
2/7/2024				0.0073		0.0075			0.00094 (J)
2/8/2024		0.0017 (J)						0.0012 (J)	
8/19/2024	0.0041 (J)								
8/20/2024			0.015		0.0042 (J)				0.0038 (J)
8/21/2024		0.0073							
8/22/2024				0.011		0.009	0.0056	0.0092	
2/5/2025					<0.005				
2/6/2025	0.003 (J)		0.015						
2/10/2025									<0.005
2/11/2025				0.0038 (J)		0.0041 (J)	<0.005		
2/12/2025		<0.005							
2/18/2025								<0.005	
Mean	0.004406	0.003064	0.01622	0.004416	0.003251	0.01597	0.003546	0.004758	0.003136
Std. Dev.	0.001196	0.001944	0.002184	0.004095	0.001999	0.01102	0.001676	0.002693	0.001788
Upper Lim.	0.005185	0.00363	0.01754	0.00619	0.005	0.02262	0.0054	0.006113	0.005
Lower Lim.	0.003628	0.001299	0.0149	0.001889	0.00082	0.00809	0.0016	0.001796	0.00062

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
9/2/2020	0.00092 (J)								
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	0.0033 (J)	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	0.0017 (J)			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)	0.002 (J)	
8/24/2021	0.0027 (J)				0.003 (J)				
2/9/2022				0.0062		0.0023 (J)			
2/14/2022							<0.005	<0.005	
2/15/2022	0.0062		0.0048 (J)						
2/17/2022		0.009			0.0057				
4/28/2022									<0.005
7/26/2022				0.0041 (J)		0.0035 (J)			
7/28/2022		0.0033 (J)						<0.005	
7/29/2022	0.0034 (J)								
8/1/2022			0.0045 (J)		0.0076		<0.005		
8/2/2022									0.0034 (J)
1/25/2023				0.0043 (J)		<0.005			
1/30/2023		0.0088							
1/31/2023							<0.005	<0.005	
2/1/2023	0.0084				0.0073				
2/2/2023									0.0037 (J)
2/7/2023			<0.005						
8/15/2023				0.0039 (J)		<0.005			
8/21/2023							0.0057		
8/22/2023					0.0097			0.005	
8/23/2023	0.011		0.0087						
8/24/2023		0.0059							
1/30/2024			0.0034 (J)						
1/31/2024				0.004 (J)		0.0019 (J)			
2/5/2024							<0.005	<0.005	
2/6/2024					0.0022 (J)				
2/7/2024	0.0023 (J)	0.004 (J)							
8/15/2024				0.0041 (J)					
8/16/2024						0.003 (J)			
8/20/2024		0.0059					0.0033 (J)	<0.005	
8/21/2024	0.0081		0.0072		0.0075				
8/22/2024									0.0058
2/5/2025				0.0038 (J)		0.003 (J)			
2/6/2025							<0.005		
2/7/2025								<0.005	<0.005
2/10/2025					<0.005				
2/11/2025		0.0019 (J)	<0.005						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
2/12/2025	<0.005								
Mean	0.004593	0.005118	0.004008	0.004336	0.005311	0.003189	0.004527	0.003799	0.00458
Std. Dev.	0.003295	0.002586	0.002533	0.001523	0.002859	0.001178	0.001433	0.001734	0.001001
Upper Lim.	0.007339	0.007273	0.005654	0.005605	0.008071	0.003152	0.005071	0.005	0.005525
Lower Lim.	0.001847	0.002963	0.001489	0.003068	0.002551	0.001905	0.001713	0.001	0.002475

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.034	0.015					
6/7/2016		0.0051			0.091	0.027		0.027	0.017
6/8/2016	0.048								
8/10/2016		0.0264		0.0142					
8/11/2016	0.0428		0.0305					0.0292	0.0152
8/12/2016						0.026			
8/16/2016					0.0667				
10/4/2016		0.0316		0.0137					
10/5/2016			0.0289						
10/6/2016	0.0404					0.0308			
10/7/2016					0.0631			0.0295	0.0225
12/1/2016				0.0144					
12/2/2016		0.026							
12/5/2016			0.0269			0.0258			
12/6/2016	0.0385				0.0659			0.0367	0.0171
2/14/2017		0.0299		0.0114					
2/15/2017	0.039		0.0299			0.029			
2/16/2017					0.0621			0.0315	0.0187
4/13/2017				0.0115					
4/14/2017		0.0275							
4/17/2017			0.0318						
4/18/2017	0.0392				0.0545	0.0294		0.0272	
4/19/2017									0.0183
5/25/2017				0.0122					
5/26/2017		0.0328	0.0341						
5/30/2017								0.0316	0.0179
6/2/2017	0.0407				0.0555	0.0354			
7/7/2017				0.012					
7/10/2017		0.0305							
7/11/2017			0.0355						
7/12/2017					0.0572				
7/13/2017						0.0329			
7/14/2017	0.0394							0.029	0.0191
3/26/2018		0.029							
3/27/2018	0.039		0.026		0.051			0.027	0.015
3/28/2018						0.034			
6/12/2018		0.031	0.024					0.029	
6/13/2018	0.038								
6/14/2018					0.053	0.032			0.016
10/16/2018		0.034		0.011					
10/17/2018			0.037			0.033			0.015
10/18/2018	0.037				0.053			0.026	
2/25/2019		0.03						0.028	
2/27/2019									0.014
2/28/2019	0.041				0.053	0.033			
4/1/2019		0.025	0.027			0.023			
4/2/2019	0.031			0.011	0.045			0.025	0.015
9/23/2019				0.012					
9/24/2019	0.035	0.03	0.035						
9/25/2019					0.047	0.035			
9/26/2019								0.031	0.023
2/18/2020				0.012					

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2020		0.032							
2/20/2020			0.025		0.049			0.026	
2/21/2020	0.03								
2/24/2020						0.033			0.014
3/18/2020		0.028							
3/19/2020	0.031		0.028	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		0.029		0.01					
9/24/2020			0.031		0.041			0.028	0.022
9/25/2020	0.03					0.038			
10/1/2020							0.039		
11/10/2020							0.037		
12/15/2020							0.042		
1/20/2021							0.042		
2/16/2021		0.028							
2/17/2021			0.03						
2/18/2021	0.031			0.012	0.039		0.036	0.028	0.017
2/19/2021						0.043			
3/24/2021		0.027	0.026			0.039	0.032	0.028	0.018
3/30/2021	0.035				0.041				
3/31/2021				0.052					
8/16/2021				0.044					
8/18/2021		0.029	0.025		0.036	0.042	0.04	0.027	
8/19/2021	0.028								0.015
2/9/2022				0.043			0.022		
2/10/2022		0.027	0.026						
2/11/2022	0.029				0.044	0.043		0.03	0.015
7/26/2022		0.029	0.029	0.016			0.038		
7/27/2022						0.045		0.033	0.015
7/28/2022	0.028				0.042				
1/25/2023				0.064					
1/26/2023	0.029	0.029	0.027			0.052	0.025	0.033	0.015
1/27/2023					0.04				
8/15/2023				0.014					
8/16/2023		0.027				0.049	0.041		
8/17/2023	0.027		0.03		0.039			0.034	0.015
1/31/2024				0.055					
2/1/2024		0.027	0.027		0.038	0.055	0.034	0.032	0.017
2/2/2024	0.023								
8/15/2024				0.014					
8/16/2024	0.02	0.023					0.034		
8/19/2024			0.028			0.045		0.026	0.014
8/20/2024					0.04				
2/4/2025				0.043					
2/5/2025		0.027	0.028			0.06	0.04		
2/6/2025	0.025				0.043			0.029	
2/7/2025									0.016
Mean	0.03389	0.02781	0.02925	0.0221	0.05007	0.0372	0.03644	0.02921	0.01681

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
Std. Dev.	0.006764	0.005148	0.003532	0.01707	0.01217	0.00934	0.006483	0.002833	0.002521
Upper Lim.	0.03712	0.02995	0.03098	0.016	0.05503	0.04165	0.04037	0.03056	0.018
Lower Lim.	0.03066	0.02695	0.02753	0.012	0.04416	0.03274	0.03252	0.02786	0.015

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
6/8/2016	0.039	0.036	0.036	0.054	0.092			0.038	
6/9/2016						0.11	0.14		
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	0.0427	0.0427							
10/10/2016			0.0288	0.0433	0.0954	0.0839	0.0888	0.0283	
12/6/2016	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									0.237
2/7/2017									0.191
2/16/2017	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									0.197
4/17/2017									0.192
4/19/2017	0.0325	0.042	0.0367	0.0486		0.087	0.114		
4/20/2017					0.086			0.0279	
5/22/2017									0.197
6/1/2017	0.0331	0.0341	0.0361	0.0468				0.0313	
6/5/2017					0.0875	0.084	0.135		0.201
7/11/2017									0.179
7/14/2017	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									0.15
3/26/2018									0.1
3/27/2018	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	0.032			0.042	0.093			0.019	
6/15/2018		0.032							0.087
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	0.1
2/27/2019	0.027		0.032						
3/1/2019		0.028			0.087	0.097	0.12	0.021	0.078
4/2/2019	0.028								0.075
4/3/2019		0.033	0.029	0.033	0.082	0.087	0.095		
4/4/2019								0.016	
9/26/2019	0.042	0.049	0.032						
9/27/2019					0.095	0.11			0.08
9/30/2019				0.036			0.098	0.016	
2/24/2020	0.028	0.024	0.033						
2/25/2020					0.062	0.12			
2/26/2020				0.024			0.1	0.015	0.062
3/20/2020	0.031	0.034		0.03	0.075				
3/23/2020			0.032			0.11			0.075
3/24/2020								0.015	

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
3/25/2020							0.096		
9/24/2020	0.031			0.031	0.093	0.12			
9/25/2020							0.088		0.07
9/28/2020		0.03	0.032					0.016	
2/18/2021	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									0.074
3/24/2021	0.031								
3/25/2021									0.06
3/26/2021		0.028				0.12	0.075	0.018	
3/29/2021			0.033	0.025	0.079				
8/19/2021	0.029							0.019	0.094
8/20/2021		0.035	0.034	0.024					
8/23/2021					0.073	0.11	0.077		
2/14/2022						0.11			0.072
2/15/2022					0.074		0.077		
2/16/2022	0.032	0.036	0.035	0.028				0.019	
7/27/2022	0.029	0.039	0.032					0.016	
7/28/2022				0.025					
8/1/2022						0.099			0.061
8/2/2022					0.074		0.022		
10/21/2022							0.057		
1/26/2023	0.034								
1/27/2023		0.023		0.021				0.015	
1/30/2023			0.036						
2/1/2023							0.052		0.062
2/2/2023						0.088			
2/7/2023					0.058				
8/17/2023	0.033							0.013	
8/18/2023		0.034	0.035						
8/21/2023									0.051
8/22/2023					0.068				
8/23/2023				0.036		0.06			
8/25/2023							0.045		
1/30/2024							0.042		
2/2/2024	0.027	0.028							
2/5/2024			0.034	0.027				0.016	
2/6/2024									0.055
2/8/2024					0.05	0.059			
8/19/2024	0.032	0.039							
8/20/2024			0.032					0.017	
8/21/2024					0.055		0.035		
8/22/2024				0.022		0.063			0.043
2/6/2025			0.037						
2/7/2025	0.034	0.037							
2/10/2025				0.02				0.015	0.042
2/11/2025						0.053	0.041		
2/13/2025					0.046				
Mean	0.03251	0.03452	0.03289	0.03541	0.08006	0.09247	0.08338	0.02076	0.1069
Std. Dev.	0.004257	0.00624	0.00289	0.01057	0.015	0.01943	0.03286	0.00662	0.06005
Upper Lim.	0.03455	0.0375	0.03427	0.04056	0.08768	0.1017	0.09873	0.0275	0.1195

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
Lower Lim.	0.03048	0.03154	0.03151	0.03026	0.07461	0.0832	0.06802	0.016	0.07229

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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		
2/16/2022	0.042	0.096	0.052					0.067	0.055
2/17/2022				0.071		0.087			
7/28/2022	0.039		0.051	0.06		0.094			0.047
7/29/2022		0.09			0.062				
8/2/2022							0.12	0.07	
1/27/2023	0.042								
1/30/2023			0.055	0.059		0.087			
1/31/2023		0.1							0.047
2/1/2023					0.058				
2/2/2023								0.039	
2/7/2023							0.11		
8/18/2023	0.041	0.079	0.052						0.038
8/21/2023					0.06		0.1		
8/23/2023								0.072	
8/24/2023				0.056		0.095			

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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
1/30/2024					0.06				
2/2/2024	0.044								
2/5/2024			0.057						
2/6/2024							0.16		
2/7/2024				0.05		0.077			0.039
2/8/2024		0.086						0.043	
8/19/2024	0.035								
8/20/2024			0.056		0.054				0.034
8/21/2024		0.083							
8/22/2024				0.053		0.076	0.088	0.074	
2/5/2025					0.063				
2/6/2025	0.044		0.06						
2/10/2025									0.035
2/11/2025				0.053		0.079	0.085		
2/12/2025		0.085							
2/18/2025								0.027	
Mean	0.04013	0.1003	0.04738	0.07388	0.06838	0.09108	0.1332	0.059	0.04685
Std. Dev.	0.00529	0.01899	0.008702	0.02128	0.01332	0.01166	0.04763	0.01838	0.008792
Upper Lim.	0.04357	0.12	0.05304	0.08772	0.074	0.09975	0.1686	0.07266	0.05338
Lower Lim.	0.03668	0.085	0.04171	0.06003	0.06	0.08241	0.09774	0.04534	0.04031

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
9/2/2020	0.046								
9/3/2020		0.087	0.083	0.02					
1/28/2021							0.061	0.076	
2/18/2021				0.026					
2/22/2021	0.053	0.13							
2/23/2021							0.054	0.095	
3/8/2021			0.068						
3/29/2021			0.065						
3/30/2021							0.051	0.084	
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				0.044	0.063	
8/24/2021	0.06				0.094				
2/9/2022				0.023		0.049			
2/14/2022							0.011	0.029	
2/15/2022	0.063		0.076						
2/17/2022		0.12			0.077				
4/28/2022									0.021
7/26/2022				0.022		0.051			
7/28/2022		0.084						0.021	
7/29/2022	0.06								
8/1/2022			0.066		0.062		0.0081		
8/2/2022									0.026
1/25/2023				0.012		0.067			
1/30/2023		0.13							
1/31/2023							0.011	0.032	
2/1/2023	0.071				0.055				
2/2/2023									0.022
2/7/2023			0.059						
8/15/2023				0.033		0.062			
8/21/2023							0.0094		
8/22/2023					0.074			0.029	
8/23/2023	0.065		0.062						
8/24/2023		0.074							
1/30/2024			0.072						
1/31/2024				0.036		0.055			
2/5/2024							0.0058	0.019	
2/6/2024					0.057				
2/7/2024	0.072	0.06							
8/15/2024				0.033					
8/16/2024						0.031			
8/20/2024		0.053					0.0057	0.019	
8/21/2024	0.07		0.056		0.069				
8/22/2024									0.033
2/5/2025				0.035		0.047			
2/6/2025							0.0055		
2/7/2025								0.019	0.025
2/10/2025					0.062				
2/11/2025		0.047	0.057						

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
2/12/2025	0.078								
Mean	0.06327	0.08755	0.06673	0.026	0.06967	0.047	0.02423	0.04418	0.0254
Std. Dev.	0.009242	0.03221	0.008284	0.007497	0.01231	0.01379	0.02282	0.0293	0.004722
Upper Lim.	0.07097	0.1144	0.07363	0.03225	0.08155	0.06032	0.054	0.084	0.03331
Lower Lim.	0.05557	0.0607	0.05982	0.01975	0.05778	0.03368	0.0057	0.019	0.01749

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22	BGWC-23	BGWC-24	BGWC-36D
6/7/2016	<0.0005	<0.0005	<0.0005						
6/8/2016				<0.0005	<0.0005	<0.0005			
6/9/2016							<0.0005	<0.0005	
8/11/2016		<0.0005	<0.0005						
8/12/2016	<0.0005			<0.0005	<0.0005				
8/18/2016						<0.0005	<0.0005	<0.0005	
10/6/2016	<0.0005								
10/7/2016		<0.0005	<0.0005	<0.0005	<0.0005				
10/10/2016						<0.0005	<0.0005	<0.0005	
12/5/2016	<0.0005								
12/6/2016		<0.0005	<0.0005	<0.0005					
12/7/2016					<0.0005		<0.0005	<0.0005	
12/8/2016						<0.0005			
2/15/2017	<0.0005								
2/16/2017		<0.0005	<0.0005	<0.0005	<0.0005				
2/17/2017						<0.0005			
2/20/2017							<0.0005	<0.0005	
4/18/2017	<0.0005	<0.0005							
4/19/2017			<0.0005	<0.0005	8E-05 (J)		<0.0005	<0.0005	
4/20/2017						<0.0005			
5/30/2017		<0.0005	<0.0005						
6/1/2017				9E-05 (J)	7E-05 (J)				
6/2/2017	<0.0005								
6/5/2017						<0.0005	<0.0005	<0.0005	
7/13/2017	<0.0005								
7/14/2017		<0.0005	<0.0005	<0.0005	<0.0005				
7/17/2017							<0.0005	<0.0005	
7/19/2017						<0.0005			
3/27/2018		<0.0005	<0.0005	<0.0005	<0.0005				
3/28/2018	<0.0005								
3/29/2018						<0.0005	<0.0005	<0.0005	
2/25/2019		8.7E-05 (J)							
2/27/2019			<0.0005	0.00011 (J)					
2/28/2019	7.6E-05 (J)								
3/1/2019					<0.0005	0.00012 (J)	<0.0005	<0.0005	
4/1/2019	<0.0005								
4/2/2019		6.3E-05 (J)	<0.0005	5.2E-05 (J)					7E-05 (J)
4/3/2019					<0.0005	6.7E-05 (J)	<0.0005	<0.0005	
9/25/2019	<0.0005								
9/26/2019		8E-05 (J)	<0.0005	<0.0005	<0.0005				
9/27/2019						9.9E-05 (J)	<0.0005		<0.0005
9/30/2019								9.3E-05 (J)	
2/20/2020		0.00012 (J)							
2/24/2020	<0.0005		<0.0005	<0.0005	<0.0005				
2/25/2020						9.3E-05 (J)	<0.0005		
2/26/2020								0.0001 (J)	<0.0005
3/19/2020	<0.0005	0.00012 (J)	<0.0005						
3/20/2020				7.6E-05 (J)	<0.0005	8.8E-05 (J)			
3/23/2020							<0.0005		<0.0005
3/25/2020								0.0001 (J)	
9/24/2020		0.00011 (J)	5.4E-05 (J)	<0.0005		0.00012 (J)	5.4E-05 (J)		
9/25/2020	<0.0005							0.00013 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22	BGWC-23	BGWC-24	BGWC-36D
9/28/2020					8.8E-05 (J)				<0.0005
2/18/2021		0.00013 (J)	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)				
2/19/2021	4.6E-05 (J)					0.00013 (J)	<0.0005	0.00018 (J)	
3/8/2021									<0.0005
3/24/2021	<0.0005	0.00014 (J)	<0.0005	6.1E-05 (J)					
3/25/2021									<0.0005
3/26/2021					5.5E-05 (J)		<0.0005	<0.0005	
3/29/2021						0.00011 (J)			
8/18/2021	<0.0005	0.00013 (J)							
8/19/2021			6.1E-05 (J)	<0.0005					
8/20/2021					8.7E-05 (J)				
8/23/2021						0.00011 (J)	<0.0005	0.00017 (J)	<0.0005
2/11/2022	<0.0005	0.00013 (J)	<0.0005						
2/14/2022							<0.0005		<0.0005
2/15/2022						0.00012 (J)		0.00027 (J)	
2/16/2022				6.3E-05 (J)	0.0001 (J)				
7/27/2022	<0.0005	0.00017 (J)	5.8E-05 (J)	<0.0005	6.1E-05 (J)				
7/29/2022									<0.0005
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		<0.0005	
10/21/2022								0.00022 (J)	
1/26/2023	<0.0005	0.00015 (J)	<0.0005	0.0001 (J)					
1/27/2023					<0.0005				
2/1/2023								0.00031 (J)	<0.0005
2/2/2023							<0.0005		
2/7/2023						0.00013 (J)			
8/16/2023	<0.0005								
8/17/2023		0.00017 (J)	5.7E-05 (J)	<0.0005					
8/18/2023					<0.0005				
8/21/2023									<0.0005
8/22/2023						0.00014 (J)			
8/23/2023							<0.0005		
8/25/2023								0.00024 (J)	
1/30/2024								0.00028 (J)	<0.0005
2/1/2024	<0.0005	0.00022 (J)	<0.0005						
2/2/2024				<0.0005	<0.0005				
2/8/2024						0.00013 (J)	<0.0005		
8/19/2024	<0.0005	0.00023 (J)	<0.0005	<0.0005	<0.0005				
8/20/2024									<0.0005
8/21/2024						0.00014 (J)		0.00024 (J)	
8/22/2024							<0.0005		
2/5/2025	<0.0005								<0.0005
2/6/2025		0.00034 (J)							
2/7/2025			<0.0005	<0.0005	<0.0005				
2/11/2025							<0.0005	0.00027 (J)	
2/13/2025						<0.0005			
Mean	0.0004649	0.0002756	0.0004118	0.0003648	0.0003637	0.0002687	0.0004822	0.0003501	0.0004713
Std. Dev.	0.0001216	0.00018	0.00018	0.0002015	0.000203	0.0001934	8.92E-05	0.0001617	0.000111
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Lower Lim.	7.6E-05	0.00012	6.5E-05	0.0001	8.8E-05	0.00011	5.4E-05	0.00022	7E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-51	BGWC-52	PZ-7
2/27/2020	8.8E-05 (J)	<0.0005			
3/24/2020	<0.0005	7.9E-05 (J)			
9/2/2020	6E-05 (J)				
9/29/2020		<0.0005			
1/28/2021			8.3E-05 (J)	<0.0005	
2/22/2021		<0.0005			
2/23/2021			0.00011 (J)	<0.0005	
3/9/2021	<0.0005				
3/29/2021	<0.0005				
3/30/2021			0.00021 (J)	5.2E-05 (J)	
3/31/2021		<0.0005			
8/19/2021	5.9E-05 (J)				
8/23/2021			0.00013 (J)	<0.0005	
8/24/2021		<0.0005			
2/14/2022	<0.0005		7E-05 (J)	<0.0005	
2/16/2022		<0.0005			
4/28/2022					6.4E-05 (J)
7/28/2022				<0.0005	
8/1/2022			<0.0005		
8/2/2022	5.4E-05 (J)	<0.0005			6.9E-05 (J)
1/31/2023			7.2E-05 (J)	<0.0005	
2/2/2023		<0.0005			7.2E-05 (J)
2/7/2023	8.7E-05 (J)				
8/21/2023	<0.0005		<0.0005		
8/22/2023				<0.0005	
8/23/2023		<0.0005			
2/5/2024			<0.0005	<0.0005	
2/6/2024	<0.0005				
2/8/2024		<0.0005			
8/20/2024			<0.0005	<0.0005	
8/22/2024	<0.0005	<0.0005			<0.0005
2/6/2025			<0.0005		
2/7/2025				<0.0005	<0.0005
2/11/2025	<0.0005				
2/18/2025		<0.0005			
Mean	0.0003345	0.0004676	0.0002886	0.0004593	0.000241
Std. Dev.	0.0002181	0.0001168	0.0002058	0.0001351	0.0002365
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0005
Lower Lim.	5.9E-05	7.9E-05	7.2E-05	0.0005	6.4E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
6/7/2016		0.0011 (J)	<0.0005						
6/8/2016				0.00063 (J)	<0.0005	<0.0005	<0.0005		
6/9/2016								<0.0005	0.00052 (J)
8/11/2016		0.0011	0.0001 (J)						
8/12/2016				0.0004 (J)	<0.0005	<0.0005			
8/18/2016							<0.0005	<0.0005	0.0009 (J)
10/7/2016		0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)				
10/10/2016						<0.0005	<0.0005	<0.0005	0.0017
12/6/2016		0.0012	0.0001 (J)	0.0006 (J)					
12/7/2016					<0.0005	<0.0005		<0.0005	0.0004 (J)
12/8/2016							0.0002 (J)		
2/16/2017		0.0015	0.0001 (J)	0.0002 (J)	<0.0005				
2/17/2017						8E-05 (J)	<0.0005		
2/20/2017								<0.0005	0.0028
4/18/2017		0.0012							
4/19/2017			0.0001 (J)	9E-05 (J)	<0.0005	<0.0005		<0.0005	0.0035
4/20/2017							<0.0005		
5/30/2017		0.0011	0.0002 (J)						
6/1/2017				0.0003 (J)	0.0001 (J)	<0.0005			
6/5/2017							<0.0005	<0.0005	0.0035
7/14/2017		0.0012	0.0002 (J)	0.0002 (J)	<0.0005				
7/17/2017								<0.0005	0.0037
7/18/2017						<0.0005			
7/19/2017							<0.0005		
3/27/2018		0.0013	<0.0005	<0.0005	<0.0005				
3/28/2018						<0.0005			
3/29/2018							<0.0005	<0.0005	0.0063
6/12/2018		0.0011							
6/13/2018						<0.0005		<0.0005	0.0053
6/14/2018			0.00015 (J)	<0.0005			<0.0005		
6/15/2018					<0.0005				
10/17/2018			<0.0005						
10/18/2018		0.0012		0.00032 (J)					
10/19/2018					<0.0005				
10/22/2018						<0.0005	<0.0005	<0.0005	0.0053
2/25/2019		0.0016							
2/27/2019			<0.0005	<0.0005		<0.0005			
3/1/2019					<0.0005		0.00013 (J)	0.00019 (J)	0.0058
4/2/2019		0.0014	<0.0005	7.3E-05 (J)					
4/3/2019					<0.0005	<0.0005	<0.0005	<0.0005	0.0053
9/26/2019		0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005			
9/27/2019							<0.0005	<0.0005	
9/30/2019									0.0075
2/20/2020		0.0019 (J)							
2/24/2020			<0.0005	0.00024 (J)	<0.0005	<0.0005			
2/25/2020							<0.0005	<0.0005	
2/26/2020									0.0064
3/19/2020		0.0017 (J)	<0.0005						
3/20/2020				<0.0005	<0.0005		<0.0005		
3/23/2020						<0.0005		<0.0005	
3/25/2020									0.0082
5/22/2020	<0.0005								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
6/23/2020	<0.0005								
7/28/2020	<0.0005								
9/2/2020	0.00014 (J)								
9/24/2020		0.0018 (J)	0.00024 (J)	<0.0005			0.00033 (J)	<0.0005	
9/25/2020									0.0081
9/28/2020					<0.0005	<0.0005			
10/1/2020	0.00019 (J)								
11/10/2020	0.00019 (J)								
12/15/2020	0.00017 (J)								
1/20/2021	<0.0005								
2/18/2021	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005			
2/19/2021							0.00038 (J)	<0.0005	0.0068
3/24/2021	0.00016 (J)	0.0018	<0.0005	<0.0005					
3/26/2021					<0.0005			<0.0005	0.0062
3/29/2021						<0.0005	<0.0005		
8/18/2021	0.00021 (J)	0.0018							
8/19/2021			0.00017 (J)	<0.0005					
8/20/2021					<0.0005	<0.0005			
8/23/2021							0.00019 (J)	<0.0005	0.0039
2/9/2022	0.00021 (J)								
2/11/2022		0.0019	0.00016 (J)						
2/14/2022								<0.0005	
2/15/2022							0.0002 (J)		0.0042
2/16/2022				<0.0005	<0.0005	<0.0005			
7/26/2022	0.0004 (J)								
7/27/2022		0.0024	0.00029 (J)	<0.0005	<0.0005	<0.0005			
8/1/2022								<0.0005	
8/2/2022							0.00012 (J)		0.00026 (J)
10/21/2022									0.0031
1/26/2023	<0.0005	0.0021	<0.0005	<0.0005					
1/27/2023					<0.0005				
1/30/2023						<0.0005			
2/1/2023									0.0032
2/2/2023								<0.0005	
2/7/2023							0.001		
8/16/2023	0.00057								
8/17/2023		0.002	0.00028 (J)	<0.0005					
8/18/2023					<0.0005	<0.0005			
8/22/2023							0.00091		
8/23/2023								<0.0005	
8/25/2023									0.0033
1/30/2024									0.0022
2/1/2024	0.0005	0.0024	0.00023 (J)						
2/2/2024				<0.0005	<0.0005				
2/5/2024						<0.0005			
2/8/2024							0.0014	<0.0005	
8/16/2024	0.00078								
8/19/2024		0.0022	0.00031 (J)	<0.0005	<0.0005				
8/20/2024						<0.0005			
8/21/2024							0.0009		0.0017
8/22/2024								<0.0005	
2/5/2025	0.00073								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
2/6/2025		0.0035				<0.0005			
2/7/2025			0.00019 (J)	<0.0005	<0.0005				
2/11/2025								<0.0005	0.0017
2/13/2025							0.0013		
Mean	0.0004028	0.001674	0.0003026	0.000439	0.0004593	0.0004844	0.0005393	0.0004885	0.003992
Std. Dev.	0.0002015	0.0005481	0.0001632	0.0001637	0.0001185	8.083E-05	0.0003154	5.966E-05	0.002361
Upper Lim.	0.00057	0.001888	0.0005	0.0005	0.0005	0.0005	0.0009	0.0005	0.005096
Lower Lim.	0.00019	0.001402	0.00016	0.00032	0.0002	8E-05	0.00038	0.00019	0.002889

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-38D	BGWC-39	BGWC-43D	BGWC-51	BGWC-52	PZ-7
1/23/2017	0.0003 (J)						
2/7/2017	0.0006 (J)						
3/27/2017	0.0003 (J)						
4/17/2017	0.0002 (J)						
5/22/2017	0.0003 (J)						
6/5/2017	0.0003 (J)						
7/11/2017	0.0005 (J)						
8/23/2017	0.0004 (J)						
3/26/2018	<0.0005						
6/15/2018	0.0002 (J)						
10/22/2018	<0.0005						
3/1/2019	<0.0005						
4/2/2019	7.9E-05 (J)						
9/27/2019	<0.0005						
2/26/2020	<0.0005						
2/27/2020		0.00081 (J)	<0.0005				
3/23/2020	<0.0005						
3/24/2020		<0.0005	<0.0005				
9/2/2020		0.00032 (J)					
9/3/2020				0.0011 (J)			
9/25/2020	<0.0005						
9/29/2020			0.0002 (J)				
1/28/2021					0.00031 (J)	0.00025 (J)	
2/22/2021			0.00014 (J)				
2/23/2021					0.00043 (J)	<0.0005	
3/8/2021	<0.0005			0.0003 (J)			
3/9/2021		<0.0005					
3/25/2021	<0.0005						
3/29/2021		<0.0005		0.00019 (J)			
3/30/2021					0.0007	0.00018 (J)	
3/31/2021			0.00018 (J)				
8/19/2021	<0.0005	<0.0005					
8/23/2021				0.00036 (J)	0.00043 (J)	0.00018 (J)	
8/24/2021			0.00031 (J)				
2/14/2022	<0.0005	<0.0005			<0.0005	<0.0005	
2/15/2022				0.0015			
2/16/2022			0.00012 (J)				
4/28/2022							<0.0005
7/28/2022						<0.0005	
8/1/2022	<0.0005			0.0011	<0.0005		
8/2/2022		<0.0005	<0.0005				0.00015 (J)
1/31/2023					<0.0005	<0.0005	
2/1/2023	<0.0005						
2/2/2023			<0.0005				<0.0005
2/7/2023		<0.0005		0.00014 (J)			
8/21/2023	<0.0005	<0.0005			<0.0005		
8/22/2023						<0.0005	
8/23/2023			0.00017 (J)	0.00029 (J)			
1/30/2024				0.00034 (J)			
2/5/2024					<0.0005	<0.0005	
2/6/2024	<0.0005	<0.0005					
2/8/2024			<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-38D	BGWC-39	BGWC-43D	BGWC-51	BGWC-52	PZ-7
8/20/2024					<0.0005	<0.0005	
8/21/2024				0.00044 (J)			
8/22/2024	<0.0005	0.00016 (J)	0.00011 (J)				0.0002 (J)
2/6/2025					<0.0005		
2/7/2025						<0.0005	<0.0005
2/10/2025	<0.0005						
2/11/2025		0.00044 (J)		0.00043 (J)			
2/18/2025			<0.0005				
Mean	0.0004326	0.0004792	0.0003254	0.0005627	0.0004882	0.0004191	0.00037
Std. Dev.	0.0001263	0.000142	0.0001749	0.0004517	9.185E-05	0.0001397	0.0001789
Upper Lim.	0.0005	0.00081	0.0005	0.000871	0.0005	0.0005	0.0005
Lower Lim.	0.0004	0.00032	0.00012	0.0002214	0.00043	0.00018	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			<0.005	<0.005					
6/7/2016		<0.005			<0.005	<0.005		<0.005	<0.005
6/8/2016	<0.005								
8/10/2016		0.0052 (J)		0.0044 (J)					
8/11/2016	<0.005		<0.005					<0.005	<0.005
8/12/2016						<0.005			
8/16/2016					<0.005				
10/4/2016		0.0015 (J)		<0.005					
10/5/2016			0.002 (J)						
10/6/2016	<0.005					<0.005			
10/7/2016					<0.005			<0.005	<0.005
12/1/2016				<0.005					
12/2/2016		0.0013 (J)							
12/5/2016			<0.005			<0.005			
12/6/2016	<0.005				<0.005			<0.005	<0.005
2/14/2017		<0.005		<0.005					
2/15/2017	<0.005		<0.005			<0.005			
2/16/2017					<0.005			<0.005	<0.005
4/13/2017				<0.005					
4/14/2017		0.0011 (J)							
4/17/2017			<0.005						
4/18/2017	<0.005				<0.005	<0.005		<0.005	
4/19/2017									<0.005
5/25/2017				<0.005					
5/26/2017		0.0008 (J)	<0.005						
5/30/2017								<0.005	<0.005
6/2/2017	<0.005				<0.005	0.0003 (J)			
7/7/2017				<0.005					
7/10/2017		0.0009 (J)							
7/11/2017			<0.005						
7/12/2017					<0.005				
7/13/2017						<0.005			
7/14/2017	<0.005							<0.005	<0.005
3/26/2018		<0.005							
3/27/2018	<0.005		<0.005		<0.005			<0.005	<0.005
3/28/2018						<0.005			
2/25/2019		<0.005						<0.005	
2/27/2019									<0.005
2/28/2019	<0.005				<0.005	<0.005			
4/1/2019		0.00091 (J)	<0.005			<0.005			
4/2/2019	<0.005			<0.005	<0.005			<0.005	0.00044 (J)
9/23/2019				<0.005					
9/24/2019	0.00055 (J)	0.063	<0.005						
9/25/2019					<0.005	0.00055 (J)			
9/26/2019								<0.005	<0.005
2/18/2020				<0.005					
2/19/2020		0.0011 (J)							
2/20/2020			<0.005		<0.005			<0.005	
2/21/2020	<0.005								
2/24/2020						<0.005			<0.005
3/18/2020		0.0014 (J)							
3/19/2020	0.00061 (J)		<0.005	0.0015 (J)		0.0004 (J)		0.00071 (J)	0.00039 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
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		0.0013 (J)		<0.005					
9/24/2020			<0.005		<0.005			<0.005	<0.005
9/25/2020	<0.005					0.00058 (J)			
10/1/2020							<0.005		
11/10/2020							<0.005		
12/15/2020							<0.005		
1/20/2021							<0.005		
2/16/2021		0.001 (J)							
2/17/2021			<0.005						
2/18/2021	<0.005			<0.005	<0.005		0.026	0.0019 (J)	<0.005
2/19/2021						<0.005			
3/24/2021		0.0013 (J)	<0.005			0.00079 (J)	<0.005	<0.005	<0.005
3/30/2021	0.00095 (J)				<0.005				
3/31/2021				<0.005					
8/16/2021				<0.005					
8/18/2021		0.0012 (J)	<0.005		<0.005	<0.005	<0.005	<0.005	
8/19/2021	<0.005								<0.005
2/9/2022				<0.005			<0.005		
2/10/2022		0.0014 (J)	<0.005						
2/11/2022	<0.005				<0.005	<0.005		<0.005	<0.005
7/26/2022		<0.005	<0.005	<0.005			<0.005		
7/27/2022						<0.005		<0.005	<0.005
7/28/2022	<0.005				<0.005				
1/25/2023				<0.005					
1/26/2023	<0.005	0.0014 (J)	0.0021 (J)			0.0018 (J)	0.0014 (J)	<0.005	<0.005
1/27/2023					<0.005				
8/15/2023				<0.005					
8/16/2023		<0.005				<0.005	<0.005		
8/17/2023	<0.005		<0.005		<0.005			<0.005	<0.005
1/31/2024				<0.005					
2/1/2024		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2024	<0.005								
8/15/2024				<0.005					
8/16/2024	<0.005	<0.005					<0.005		
8/19/2024			<0.005			<0.005		<0.005	<0.005
8/20/2024					<0.005				
2/4/2025				<0.005					
2/5/2025		<0.005	<0.005			<0.005	<0.005		
2/6/2025	<0.005				<0.005			<0.005	
2/7/2025									<0.005
Mean	0.004484	0.005192	0.004754	0.004822	0.004844	0.003977	0.005967	0.004704	0.004633
Std. Dev.	0.001426	0.01219	0.000833	0.0007348	0.00078	0.001875	0.005071	0.001037	0.00127
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.026	0.005	0.005
Lower Lim.	0.00095	0.0012	0.0021	0.0044	0.0011	0.0018	0.0014	0.0019	0.00044

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32
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			
1/23/2017							0.001 (J)		
2/7/2017							<0.005		
2/16/2017	<0.005								
2/17/2017		<0.005	<0.005						
2/20/2017				<0.005	<0.005	<0.005			
3/27/2017							<0.005		
4/17/2017							<0.005		
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005				
4/20/2017						<0.005			
5/22/2017							0.0004 (J)		
6/1/2017	<0.005	<0.005	<0.005			<0.005			
6/5/2017				<0.005	<0.005		0.0004 (J)		
7/11/2017							0.0012 (J)		
7/14/2017	<0.005								
7/17/2017				<0.005	<0.005	<0.005			
7/18/2017		<0.005	<0.005						
8/23/2017							0.0009 (J)		
3/26/2018							<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	<0.005		
4/2/2019	<0.005						0.00095 (J)		
4/3/2019		0.00088 (J)	<0.005	0.00057 (J)	<0.005				
4/4/2019						<0.005		<0.005	
4/5/2019									<0.005
9/24/2019								0.00064 (J)	
9/26/2019	<0.005	0.0022 (J)							0.00062 (J)
9/27/2019				<0.005			0.00056 (J)		
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	0.00073 (J)	<0.005	
2/27/2020									0.00072 (J)
3/20/2020	0.00046 (J)		0.00041 (J)						
3/23/2020		0.00091 (J)		0.00043 (J)			0.00098 (J)	0.0011 (J)	
3/24/2020						<0.005			0.0012 (J)
3/25/2020					<0.005				
9/24/2020	<0.005		<0.005	<0.005					
9/25/2020					0.00058 (J)		0.00087 (J)		0.00057 (J)
9/28/2020		0.0028 (J)				<0.005		0.00056 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32
2/18/2021	<0.005	0.00078 (J)							
2/19/2021			<0.005	<0.005	<0.005				
2/22/2021								<0.005	
2/23/2021						<0.005			<0.005
3/8/2021							0.0011 (J)		
3/24/2021	0.00065 (J)								
3/25/2021							0.00082 (J)		
3/26/2021				<0.005	<0.005	<0.005			
3/29/2021		0.0011 (J)	0.0025 (J)					<0.005	
3/30/2021									<0.005
8/19/2021	<0.005					<0.005	<0.005		
8/20/2021		<0.005	<0.005					<0.005	
8/23/2021				0.0015 (J)	<0.005				
8/25/2021									0.0043 (J)
2/14/2022				<0.005			0.0014 (J)		
2/15/2022					<0.005				
2/16/2022	<0.005	<0.005	<0.005			<0.005		<0.005	<0.005
7/27/2022	<0.005	<0.005				<0.005			
7/28/2022			<0.005					<0.005	
7/29/2022									<0.005
8/1/2022				<0.005			<0.005		
8/2/2022					<0.005				
10/21/2022					<0.005				
1/26/2023	<0.005								
1/27/2023			<0.005			<0.005		<0.005	
1/30/2023		<0.005							
1/31/2023									<0.005
2/1/2023					<0.005		<0.005		
2/2/2023				<0.005					
8/17/2023	<0.005					<0.005			
8/18/2023		<0.005						<0.005	<0.005
8/21/2023							<0.005		
8/23/2023			<0.005	<0.005					
8/25/2023					<0.005				
1/30/2024					<0.005				
2/2/2024	<0.005							<0.005	
2/5/2024		<0.005	<0.005			<0.005			
2/6/2024							<0.005		
2/8/2024				<0.005					<0.005
8/19/2024	<0.005							<0.005	
8/20/2024		<0.005				<0.005			
8/21/2024					<0.005				<0.005
8/22/2024			<0.005	<0.005			<0.005		
2/6/2025		<0.005						<0.005	
2/7/2025	<0.005								
2/10/2025			<0.005			<0.005	<0.005		
2/11/2025				<0.005	<0.005				
2/12/2025									<0.005
Mean	0.004488	0.003977	0.004705	0.004312	0.0045	0.004884	0.002852	0.004153	0.003827
Std. Dev.	0.001417	0.001703	0.001047	0.001483	0.001414	0.00058	0.002116	0.001756	0.001917
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0011	0.0028	0.0025	0.0033	0.0009	0.0021	0.0009	0.0011	0.00072

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
4/2/2019		0.001 (J)							
4/4/2019	0.0011 (J)								
9/26/2019	0.00067 (J)								
9/27/2019		0.0006 (J)							
2/25/2020	<0.005		<0.005						
2/26/2020		<0.005							
2/27/2020				0.0031 (J)	<0.005				
2/28/2020						0.00043 (J)			
3/23/2020		<0.005							
3/24/2020			0.00068 (J)	0.00042 (J)	0.001 (J)				
3/25/2020	<0.005					0.00058 (J)			
9/2/2020				<0.005			<0.005		
9/3/2020								<0.005	<0.005
9/25/2020	0.00072 (J)		0.00068 (J)						
9/28/2020		<0.005							
9/29/2020					<0.005	0.00082 (J)			
2/22/2021	<0.005		<0.005		<0.005	<0.005	<0.005	0.0011 (J)	
3/8/2021		0.00057 (J)							<0.005
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						0.00081 (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		<0.005					<0.005	
8/23/2021		<0.005							<0.005
8/24/2021					<0.005	<0.005	<0.005		
2/14/2022		<0.005		<0.005					
2/15/2022							<0.005		0.0024 (J)
2/16/2022					<0.005	0.0011 (J)			
2/17/2022	<0.005		<0.005					<0.005	
7/28/2022	<0.005		<0.005			<0.005		<0.005	
7/29/2022		<0.005					<0.005		
8/1/2022									<0.005
8/2/2022				<0.005	<0.005				
1/30/2023	<0.005		<0.005					<0.005	
1/31/2023						0.005 (J)			
2/1/2023		<0.005					<0.005		
2/2/2023					<0.005				
2/7/2023				<0.005					<0.005
8/18/2023						<0.005			
8/21/2023		<0.005		<0.005					
8/23/2023					<0.005		<0.005		<0.005
8/24/2023	<0.005		<0.005					<0.005	
1/30/2024		<0.005							<0.005
2/6/2024				<0.005					
2/7/2024	<0.005		<0.005			<0.005	<0.005	<0.005	
2/8/2024					<0.005				
8/20/2024		<0.005				<0.005		<0.005	
8/21/2024							<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
8/22/2024	<0.005		<0.005	<0.005	<0.005				
2/5/2025		<0.005							
2/10/2025						<0.005			
2/11/2025	<0.005		<0.005	<0.005				<0.005	<0.005
2/12/2025							<0.005		
2/18/2025					<0.005				
Mean	0.004166	0.003849	0.004335	0.004502	0.004692	0.003365	0.004607	0.004247	0.004764
Std. Dev.	0.001729	0.001978	0.001622	0.001334	0.001109	0.002158	0.001303	0.001678	0.0007839
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0011	0.0006	0.00068	0.0031	0.001	0.00058	0.005	0.0011	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-51	BGWC-52
9/3/2020	<0.005			
1/28/2021			<0.005	<0.005
2/18/2021	0.00093 (J)			
2/23/2021			0.0006 (J)	<0.005
3/30/2021			<0.005	0.00061 (J)
3/31/2021	0.00094 (J)			
4/19/2021		0.00071 (J)		
8/18/2021	<0.005			
8/23/2021			<0.005	<0.005
8/24/2021		<0.005		
2/9/2022	<0.005			
2/14/2022			<0.005	0.0013 (J)
2/17/2022		<0.005		
7/26/2022	<0.005			
7/28/2022				<0.005
8/1/2022		<0.005	<0.005	
1/25/2023	0.0025 (J)			
1/31/2023			<0.005	0.0016 (J)
2/1/2023		<0.005		
8/15/2023	<0.005			
8/21/2023			<0.005	
8/22/2023		<0.005		<0.005
1/31/2024	<0.005			
2/5/2024			<0.005	<0.005
2/6/2024		<0.005		
8/15/2024	<0.005			
8/20/2024			<0.005	<0.005
8/21/2024		<0.005		
2/5/2025	<0.005			
2/6/2025			<0.005	
2/7/2025				<0.005
2/10/2025		<0.005		
Mean	0.004034	0.004523	0.0046	0.003955
Std. Dev.	0.001704	0.00143	0.001327	0.001803
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.00094	0.00071	0.005	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			<0.005	<0.005					
6/7/2016		0.00013 (J)			<0.005	<0.005		0.0037	<0.005
6/8/2016	0.00081 (J)								
8/10/2016		0.0003 (J)		0.0006 (J)					
8/11/2016	0.0007 (J)		0.0003 (J)					0.0039 (J)	<0.005
8/12/2016						<0.005			
8/16/2016					<0.005				
10/4/2016		<0.005		<0.005					
10/5/2016			<0.005						
10/6/2016	<0.005					<0.005			
10/7/2016					<0.005			0.0043 (J)	<0.005
12/1/2016				<0.005					
12/2/2016		<0.005							
12/5/2016			0.0006 (J)			0.0006 (J)			
12/6/2016	0.0009 (J)				<0.005			0.005 (J)	<0.005
2/14/2017		<0.005		<0.005					
2/15/2017	<0.005		<0.005			<0.005			
2/16/2017					<0.005			0.0054 (J)	<0.005
4/13/2017				<0.005					
4/14/2017		<0.005							
4/17/2017			<0.005						
4/18/2017	0.0005 (J)				<0.005	<0.005		0.0054 (J)	
4/19/2017									<0.005
5/25/2017				<0.005					
5/26/2017		<0.005	<0.005						
5/30/2017								0.0045 (J)	<0.005
6/2/2017	0.0006 (J)				<0.005	<0.005			
7/7/2017				<0.005					
7/10/2017		<0.005							
7/11/2017			<0.005						
7/12/2017					<0.005				
7/13/2017						0.0003 (J)			
7/14/2017	0.0006 (J)							0.0049 (J)	<0.005
3/26/2018		<0.005							
3/27/2018	<0.005		<0.005		<0.005			<0.01	<0.005
3/28/2018						<0.005			
6/12/2018		<0.005	<0.005					0.0048 (J)	
6/13/2018	0.00068 (J)								
6/14/2018					<0.005	<0.005			<0.005
10/16/2018		<0.005		0.00094 (J)					
10/17/2018			<0.005			<0.005			<0.005
10/18/2018	<0.005				<0.005			0.0047 (J)	
2/25/2019		<0.005						0.0071 (J)	
2/27/2019									<0.005
2/28/2019	0.00067 (J)				<0.005	<0.005			
4/1/2019		5.6E-05 (J)	0.00024 (J)			0.00034 (J)			
4/2/2019	0.00094 (J)			0.00016 (J)	0.00027 (J)			0.0056 (J)	0.00015 (J)
9/23/2019				0.00042 (J)					
9/24/2019	0.00078 (J)	0.0012 (J)	<0.005						
9/25/2019					0.00056 (J)	0.0004 (J)			
9/26/2019								0.0093	<0.005
2/18/2020				0.00032 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2020		<0.005							
2/20/2020			<0.005		<0.005			0.0092	
2/21/2020	0.00081 (J)								
2/24/2020						0.00034 (J)			<0.005
3/18/2020		<0.005							
3/19/2020	0.00091 (J)		<0.005	<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		<0.005					
9/24/2020			<0.005		<0.005			0.0095	<0.005
9/25/2020	0.00077 (J)					0.00049 (J)			
10/1/2020							0.0018 (J)		
11/10/2020							0.0016 (J)		
12/15/2020							0.0018 (J)		
1/20/2021							0.0019 (J)		
2/16/2021		<0.005							
2/17/2021			<0.005						
2/18/2021	0.00074 (J)			<0.005	<0.005		0.0013 (J)	0.0088	<0.005
2/19/2021						0.00066 (J)			
3/24/2021		<0.005	<0.005			0.00048 (J)	<0.005	0.0078	<0.005
3/30/2021	0.00085 (J)				0.00052 (J)				
3/31/2021				0.00094 (J)					
8/16/2021				0.00052 (J)					
8/18/2021		<0.005	<0.005		0.00042 (J)	0.00085 (J)	0.0034 (J)	0.0098	
8/19/2021	0.0008 (J)								<0.005
2/9/2022				0.0005 (J)			<0.005		
2/10/2022		<0.005	<0.005						
2/11/2022	0.00068 (J)				0.00047 (J)	0.00057 (J)		0.0097	<0.005
7/26/2022		<0.005	<0.005	<0.005			0.003 (J)		
7/27/2022						<0.005		0.012	<0.005
7/28/2022	0.00074 (J)				0.00058 (J)				
1/25/2023				0.00074 (J)					
1/26/2023	0.00068 (J)	<0.005	<0.005			0.00045 (J)	0.0033 (J)	0.0098	<0.005
1/27/2023					0.00051 (J)				
8/15/2023				<0.005					
8/16/2023		<0.005				<0.005	0.0017 (J)		
8/17/2023	0.00066 (J)		<0.005		0.00043 (J)			0.011	<0.005
1/31/2024				0.00054 (J)					
2/1/2024		<0.005	<0.005		0.0004 (J)	0.00036 (J)	0.0014 (J)	0.011	<0.005
2/2/2024	0.00045 (J)								
8/15/2024				<0.005					
8/16/2024	<0.005	<0.005					0.0016 (J)		
8/19/2024			<0.005			<0.005		0.011	<0.005
8/20/2024					0.00041 (J)				
2/4/2025				<0.005					
2/5/2025		<0.005	<0.005			<0.005	<0.005		
2/6/2025	<0.005				<0.005			0.015	
2/7/2025									<0.005
Mean	0.001677	0.004322	0.004467	0.003153	0.003144	0.002822	0.002734	0.01049	0.00482

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
Std. Dev.	0.001814	0.001667	0.001506	0.002237	0.002282	0.002306	0.001624	0.001899	0.0009334
Upper Lim.	0.00094	0.005	0.005	0.005	0.005	0.005	0.002213	0.01207	0.005
Lower Lim.	0.00068	0.0012	0.0006	0.00054	0.00047	0.00045	0.001129	0.008909	0.00015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
6/8/2016	0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079			<0.005	
6/9/2016						<0.005	0.0026		
8/12/2016	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	0.0005 (J)	<0.005							
10/10/2016			<0.005	<0.005	0.011	<0.005	0.0018 (J)	<0.005	
12/6/2016	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									0.0012 (J)
2/7/2017									0.0008 (J)
2/16/2017	<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									0.001 (J)
4/17/2017									0.0009 (J)
4/19/2017	<0.005	<0.005	<0.005	<0.005		<0.005	0.0032 (J)		
4/20/2017					0.0116			<0.005	
5/22/2017									0.0008 (J)
6/1/2017	<0.005	<0.005	<0.005	<0.005				<0.005	
6/5/2017					0.0112	<0.005	0.0034 (J)		0.0008 (J)
7/11/2017									0.0008 (J)
7/14/2017	<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									0.0006 (J)
3/26/2018									<0.005
3/27/2018	<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	0.017			<0.005	
6/15/2018		<0.005							<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	<0.005
2/27/2019	<0.005		<0.005						
3/1/2019		<0.005			0.017	<0.005	0.0055 (J)	<0.005	<0.005
4/2/2019	0.00012 (J)								0.00022 (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						
9/27/2019					0.027	0.00034 (J)			<0.005
9/30/2019				0.0004 (J)			0.0048 (J)	<0.005	
2/24/2020	<0.005	<0.005	<0.005						
2/25/2020					0.017	0.00046 (J)			
2/26/2020				0.00037 (J)			0.0045 (J)	<0.005	<0.005
3/20/2020	<0.005	<0.005		<0.005	0.02				
3/23/2020			0.00036 (J)			0.0004 (J)			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
3/24/2020								<0.005	
3/25/2020							0.0037 (J)		
9/24/2020	<0.005			0.00098 (J)	0.041	<0.005			
9/25/2020							0.0038 (J)		<0.005
9/28/2020		<0.005	<0.005					<0.005	
2/18/2021	<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									<0.005
3/24/2021	<0.005								
3/25/2021									<0.005
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									<0.005
8/19/2021	<0.005							<0.005	0.002 (J)
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)		<0.005
2/14/2022						<0.005			<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	
7/28/2022				0.0027 (J)					
8/1/2022						<0.005			<0.005
8/2/2022					0.034		<0.005		
10/21/2022							0.0026 (J)		
1/26/2023	<0.005								
1/27/2023		<0.005		0.0021 (J)				<0.005	
1/30/2023			<0.005						
2/1/2023							0.0024 (J)		<0.005
2/2/2023						<0.005			
2/7/2023					0.017				
8/17/2023	<0.005							<0.005	
8/18/2023		<0.005	<0.005						
8/21/2023									<0.005
8/22/2023					0.03				
8/23/2023				0.004 (J)		<0.005			
8/25/2023							0.0023 (J)		
1/30/2024							0.002 (J)		
2/2/2024	<0.005	<0.005							
2/5/2024			0.00034 (J)	0.003 (J)				<0.005	
2/6/2024									<0.005
2/8/2024					0.014	<0.005			
8/19/2024	<0.005	0.00052 (J)							
8/20/2024			<0.005					<0.005	
8/21/2024					0.017		0.0015 (J)		
8/22/2024				0.0096		0.00035 (J)			<0.005
2/6/2025			<0.005						
2/7/2025	<0.005	<0.005							
2/10/2025				0.0066				<0.005	<0.005
2/11/2025						<0.005	0.0027 (J)		

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
2/13/2025					0.011				
Mean	0.004179	0.004652	0.004324	0.003133	0.02103	0.003777	0.003283	0.00466	0.00359
Std. Dev.	0.001759	0.001257	0.001655	0.002461	0.009695	0.002025	0.001152	0.001226	0.001995
Upper Lim.	0.005	0.005	0.005	0.005	0.02539	0.005	0.003801	0.005	0.005
Lower Lim.	0.0009	0.00052	0.0008	0.00064	0.01667	0.0015	0.002765	0.0006	0.001

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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)		
2/16/2022	<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	
2/7/2023							0.0014 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/18/2023	<0.005	0.001 (J)	0.0014 (J)						<0.005
8/21/2023					<0.005		0.0017 (J)		
8/23/2023								<0.005	
8/24/2023				0.0017 (J)		<0.005			
1/30/2024					<0.005				
2/2/2024	<0.005								
2/5/2024			0.0013 (J)						
2/6/2024							0.0016 (J)		
2/7/2024				0.0044 (J)		<0.005			0.00034 (J)
2/8/2024		0.0054						<0.005	
8/19/2024	<0.005								
8/20/2024			0.0012 (J)		<0.005				0.00033 (J)
8/21/2024		0.0046 (J)							
8/22/2024				0.0013 (J)		<0.005	0.001 (J)	<0.005	
2/5/2025					<0.005				
2/6/2025	<0.005		0.0017 (J)						
2/10/2025									<0.005
2/11/2025				0.0019 (J)		<0.005	0.0018 (J)		
2/12/2025		0.0032 (J)							
2/18/2025								<0.005	
Mean	0.003302	0.004675	0.001172	0.002074	0.003376	0.002903	0.003307	0.004241	0.001176
Std. Dev.	0.002265	0.003128	0.0006508	0.001316	0.002171	0.002047	0.003437	0.001632	0.001699
Upper Lim.	0.005	0.006567	0.001596	0.002756	0.005	0.005	0.004083	0.005	0.00061
Lower Lim.	0.00041	0.002783	0.0007491	0.001197	0.00057	0.0007	0.001461	0.0033	0.00034

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-52
9/2/2020	0.00075 (J)				
9/3/2020		0.002 (J)			
1/28/2021					0.0048 (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)
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)	
8/23/2021		0.0051			0.0036 (J)
8/24/2021	0.00044 (J)		0.001 (J)		
2/9/2022				0.00079 (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)
7/29/2022	0.0004 (J)				
8/1/2022		0.0024 (J)	0.00065 (J)		
1/25/2023				0.00066 (J)	
1/31/2023					0.0045 (J)
2/1/2023	0.00067 (J)		0.00089 (J)		
2/7/2023		0.0016 (J)			
8/15/2023				0.0004 (J)	
8/22/2023			0.00093 (J)		0.0035 (J)
8/23/2023	0.00049 (J)	0.0031 (J)			
1/30/2024		0.0024 (J)			
1/31/2024				0.00036 (J)	
2/5/2024					0.00035 (J)
2/6/2024			0.0011 (J)		
2/7/2024	0.00044 (J)				
8/16/2024				0.00069 (J)	
8/20/2024					0.00042 (J)
8/21/2024	0.00044 (J)	0.0019 (J)	0.00098 (J)		
2/5/2025				<0.005	
2/7/2025					0.0014 (J)
2/10/2025			<0.005		
2/11/2025		0.0026 (J)			
2/12/2025	<0.005				
Mean	0.001742	0.003383	0.00108	0.001002	0.002385
Std. Dev.	0.002095	0.001496	0.0005478	0.0006895	0.00172
Upper Lim.	0.005	0.004557	0.0025	0.001591	0.003818
Lower Lim.	0.00044	0.00221	0.00065	0.0004217	0.0009514

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.488	0.239 (U)					
6/7/2016		0.0507 (U)			0.616	0.024 (U)		0.284 (U)	0.135 (U)
6/8/2016	0.854								
8/10/2016		0.862		1.19					
8/11/2016	1.24		0.639					1.71	0.808
8/12/2016						0.849			
8/16/2016					1.08				
10/4/2016		0.48		0.231					
10/5/2016			0.945						
10/6/2016	2.43					1.57			
10/7/2016					2.82			0.485	0.874
12/1/2016				0.428					
12/2/2016		0.219							
12/5/2016			2.2			0.956			
12/6/2016	0.958				0.719			1.22	0.131
2/14/2017		0.636		0.36					
2/15/2017	1.18		0.74			0.229			
2/16/2017					0.966			0.19	0.471
4/13/2017				0.387					
4/14/2017		0.13							
4/17/2017			0.764						
4/18/2017	1.26				1.01	0.0114		0.52	
4/19/2017									0.65
5/25/2017				0.123					
5/26/2017		0.349	0.245						
5/30/2017								1.21	0.65
6/2/2017	1.24				1.13	0.375			
7/7/2017				0.876 (U)					
7/10/2017		0.565 (U)							
7/11/2017			0.502 (U)						
7/12/2017					1.29				
7/13/2017						0.636 (U)			
7/14/2017	1.55							0.526 (U)	0.592 (U)
3/26/2018		0.303 (U)							
3/27/2018	2.15		0.745 (U)		0.779 (U)			1.34	0.551 (U)
3/28/2018						0.36 (U)			
6/12/2018		0.494 (U)	0.319 (U)					0.732 (U)	
6/13/2018	1.95								
6/14/2018					1.22	0.316 (U)			0.638 (U)
10/16/2018		0.633 (U)		0.881 (U)					
10/17/2018			0.319 (U)			0.326 (U)			0.555 (U)
10/18/2018	1.1				0.841 (U)			0.522 (U)	
2/25/2019		1.03 (U)						1.08	
2/27/2019									1.57
2/28/2019	1.38				1.88	1.04			
4/1/2019		0.474 (U)	0.225 (U)			0.328 (U)			
4/2/2019	1.57			0.64 (U)	1.21 (U)			1.73	0.71 (U)
9/23/2019				1.13					
9/24/2019	1.85	1.69	1.65						
9/25/2019					0.816 (U)	0.649 (U)			
9/26/2019								1.45	1.17 (U)
2/18/2020				0.373 (U)					

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2020		1.02 (U)							
2/20/2020			0.921 (U)		1.47			1.22	
2/21/2020	2.02								
2/24/2020						0.455 (U)			1.17
3/18/2020		0.987 (U)							
3/19/2020	1.18		1.94	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		0.25 (U)		0.293 (U)					
9/24/2020			0.9 (U)		1.19 (U)			0.469 (U)	0.594 (U)
9/25/2020	1.64					0.818 (U)			
10/1/2020							1.19 (U)		
11/10/2020							0.675 (U)		
12/15/2020							1.26		
1/20/2021							0.701 (U)		
2/16/2021		0.709 (U)							
2/17/2021			0.692 (U)						
2/18/2021	1.09			0.232 (U)	1.52		1	0.721 (U)	0.723 (U)
2/19/2021						0.608 (U)			
3/24/2021		0.808 (U)	0.554 (U)			0.369 (U)	1.1 (U)	0.92 (U)	0.391 (U)
3/30/2021	1.41 (U)				1.51 (U)				
3/31/2021				0.301 (U)					
8/16/2021				0.813 (U)					
8/18/2021		0.192 (U)	0.458 (U)		1.26	0.19 (U)	0.721 (U)	1.05	
8/19/2021	0.952 (U)								0.742 (U)
2/9/2022				0.296 (U)			0.355 (U)		
2/10/2022		0.813	0.86						
2/11/2022	1.26				1.01 (U)	0.288 (U)		1.03	0.208 (U)
7/26/2022		0.523 (U)	0.866 (U)	1.15 (U)			0.659 (U)		
7/27/2022						0.705 (U)		0.917 (U)	0.138 (U)
7/28/2022	1.22 (U)				1.18 (U)				
1/25/2023				0.723					
1/26/2023	1.73	0.629 (U)	0.248 (U)			0.664 (U)	1.31	1.21 (U)	1.02 (U)
1/27/2023					1.82				
8/15/2023				0.409 (U)					
8/16/2023		0.791 (U)				0.621 (U)	0.263 (U)		
8/17/2023	1.45		0.711 (U)		0.942 (U)			1.21 (U)	1.04 (U)
1/31/2024				0.536 (U)					
2/1/2024		0.496 (U)	0.699 (U)		1.03 (U)	0.281 (U)	0.433 (U)	1.34	0.808 (U)
2/2/2024	1.04								
8/15/2024				0.379 (U)					
8/16/2024	1.55	0.76 (U)					0.673 (U)		
8/19/2024			0.429 (U)			0.824 (U)		0.705 (U)	0.294 (U)
8/20/2024					0.882 (U)				
2/4/2025				0.927 (U)					
2/5/2025		0.641 (U)	0.831 (U)			0.466 (U)	0.164 (U)		
2/6/2025	1.51				1.4			0.712 (U)	
2/7/2025									1.11 (U)
Mean	1.436	0.6124	0.765	0.5562	1.233	0.548	0.8389	0.9679	0.6803

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
Std. Dev.	0.3904	0.3452	0.4889	0.3242	0.4547	0.3418	0.5068	0.4302	0.3522
Upper Lim.	1.622	0.7771	0.9259	0.7216	1.404	0.7111	1.145	1.173	0.8483
Lower Lim.	1.249	0.4477	0.5106	0.3907	1.008	0.385	0.5323	0.7627	0.5123

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
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		
8/12/2016	1.39	1.18	1.74						
8/15/2016								1.2	
8/18/2016				0.44	2.47	1.88	2.67		
10/7/2016	0.451	1.97							
10/10/2016			0.944	0.933	2.11	1.48	3.46	1.03	
12/6/2016	0.516								
12/7/2016		1.31	2.29			2.61	1.65		
12/8/2016				1.02	2.64			1.47	
1/23/2017									2.71
2/7/2017									3
2/16/2017	0.172	0.35							
2/17/2017			1.35	0.193	1.34				
2/20/2017						0.884	2.68	0.547	
4/17/2017									2.73
4/19/2017	0.704	0.974	1.48	0.488		0.948	3.81		
4/20/2017					2.35			0.0595	
5/22/2017									3.15
6/1/2017	0.493	0.332	1.61	0.837				0.67	
6/5/2017					1.6	1.33	2.86		0.86
7/11/2017									1.87
7/14/2017	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									3.39
3/26/2018									1.61
3/27/2018	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	0.989 (U)			0.583 (U)	2.14			0.721 (U)	
6/15/2018		0.625 (U)							0.815 (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)	1.02 (U)
2/27/2019	1.12		1.24						
3/1/2019		0.989 (U)			3.32	2.24	3.37	0.634 (U)	2.47
4/2/2019	0.814 (U)								2.29
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	0.973 (U)	1.16	0.662 (U)						
9/27/2019					2.83	2.28			1.23 (U)
9/30/2019				1.16 (U)			2.73	0.953 (U)	
2/24/2020	1.07	1.19	1.38						
2/25/2020					1.7	2.49			
2/26/2020				1.08 (U)			2.4	1.16	1.09 (U)
3/20/2020	2.59	0.89 (U)		1.08 (U)	3.6				
3/23/2020			1.27			1.68			1.42
3/24/2020								0.899 (U)	
3/25/2020							4.72		

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
9/24/2020	0.789 (U)			0.157 (U)	4.18	0.56 (U)			
9/25/2020							1.49		0.783 (U)
9/28/2020		1.11 (U)	1.07 (U)					0.744 (U)	
2/18/2021	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									0.429 (U)
3/24/2021	1.21 (U)								
3/25/2021									1.48
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	0.858 (U)							0.908 (U)	1.63
8/20/2021		0.731 (U)	1.42	0.277 (U)					
8/23/2021					3.25	1.2 (U)	1.77 (U)		
2/14/2022						0.563 (U)			0.744 (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	0.737 (U)	0.964 (U)	1.53					1.09 (U)	
7/28/2022				0.424 (U)					
8/1/2022						2.28			1.01 (U)
8/2/2022					2.32		0.84 (U)		
1/26/2023	1.46								
1/27/2023		1.16		0.28 (U)				0.768 (U)	
1/30/2023			0.563 (U)						
2/1/2023							1.3		0.936
2/2/2023						0.783 (U)			
2/7/2023					1.45				
8/17/2023	1.16 (U)							0.909 (U)	
8/18/2023		1.49 (U)	0.256 (U)						
8/21/2023									0.986 (U)
8/22/2023					2.43				
8/23/2023				0.704 (U)		0.799 (U)			
8/25/2023							1.63 (U)		
1/30/2024							0.782 (U)		
2/2/2024	0.612 (U)	0.716 (U)							
2/5/2024			0.956 (U)	0.455 (U)				0.396 (U)	
2/6/2024									0.255 (U)
2/8/2024					2.05	1.27 (U)			
8/19/2024	0.737 (U)	0.26 (U)							
8/20/2024			0.979 (U)					0.246 (U)	
8/21/2024					1.5		0.991 (U)		
8/22/2024				0.262 (U)		0.718 (U)			0.713 (U)
2/6/2025			1.1						
2/7/2025	0.737 (U)	0.952 (U)							
2/10/2025				1.23 (U)				0.747 (U)	0.708 (U)
2/11/2025						1.18 (U)	2.6		
2/13/2025					1.6				
Mean	0.8632	0.8914	1.103	0.6543	2.34	1.401	2.803	0.707	1.513
Std. Dev.	0.4595	0.4215	0.4751	0.3251	0.7963	0.6684	2.476	0.3673	0.9046
Upper Lim.	1.02	1.092	1.33	0.8128	2.72	1.72	3.05	0.8822	1.954
Lower Lim.	0.6316	0.6903	0.8768	0.4959	1.96	1.082	1.731	0.5318	1.072

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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	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		
2/16/2022	1.02	1.16 (U)	2.24					0.799	0.473 (U)
2/17/2022				1.88		2.41			
7/28/2022	0.684 (U)		2.74	2.71		2.92			0.656 (U)
7/29/2022		1.82			1.47 (U)				
8/2/2022							3.64	0.93 (U)	
1/27/2023	1.46								
1/30/2023			2.58	2.3		2.14			
1/31/2023		1.49							0.498 (U)
2/1/2023					1.17				
2/2/2023								0.942 (U)	
2/7/2023							2.93		
8/18/2023	1.82	1.24 (U)	2.36						1.14 (U)
8/21/2023					1.19 (U)		3.26		
8/23/2023								1.46 (U)	
8/24/2023				3.09		3.06			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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
1/30/2024					1.07				
2/2/2024	1.3								
2/5/2024			2.21						
2/6/2024							3.19		
2/7/2024				2.74		2.3			0.563 (U)
2/8/2024		0.939 (U)						0.396 (U)	
8/19/2024	0.674 (U)								
8/20/2024			1.7		0.895 (U)				0.27 (U)
8/21/2024		1.19							
8/22/2024				2.08		1.92	2.4	1.05	
2/5/2025					1.19				
2/6/2025	1.33		2.75						
2/10/2025									0.803 (U)
2/11/2025				2.71		2.04	2.44		
2/12/2025		1.28							
2/18/2025								0.227 (U)	
Mean	1.382	1.536	2.293	2.537	1.6	2.588	3.975	0.9405	0.6682
Std. Dev.	0.4462	0.5266	0.6237	0.6091	0.6203	0.5198	1.281	0.5093	0.3174
Upper Lim.	1.673	1.879	2.699	2.933	2.004	2.974	4.927	1.319	0.9042
Lower Lim.	1.092	1.194	1.887	2.141	1.197	2.201	3.022	0.5618	0.4322

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
9/2/2020	1.31 (U)								
9/3/2020		1.05 (U)	1.9	0.982 (U)					
1/28/2021							0.444 (U)	1.59	
2/18/2021				1.34					
2/22/2021	1.91	0.578 (U)							
2/23/2021							0.589 (U)	0.567 (U)	
3/8/2021			1.34						
3/29/2021			1.62 (U)						
3/30/2021							0.852 (U)	1.66 (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				0.558 (U)	0.785 (U)	
8/24/2021	0.918 (U)				3.66				
2/9/2022				1.52		1.4			
2/14/2022							0.487 (U)	0.224 (U)	
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)						1.02 (U)	
7/29/2022	1.6								
8/1/2022			1.38		2.36		0.642 (U)		
8/2/2022									1.68
1/25/2023				0.617 (U)		0.588 (U)			
1/30/2023		0.71 (U)							
1/31/2023							0.707 (U)	0.58 (U)	
2/1/2023	1.59				1.57				
2/2/2023									0.748 (U)
2/7/2023			1.53						
8/15/2023				0.783 (U)		1.47			
8/21/2023							0.283 (U)		
8/22/2023					2.97			0.886 (U)	
8/23/2023	2.06		1.79						
8/24/2023		1.37							
1/30/2024			1.1						
1/31/2024				0.315 (U)		1.01 (U)			
2/5/2024							0.406 (U)	0.587 (U)	
2/6/2024					2.25				
2/7/2024	1.4	0.44 (U)							
8/15/2024				0.591 (U)					
8/16/2024						0.735 (U)			
8/20/2024		0.543 (U)					0.268 (U)	0.375 (U)	
8/21/2024	2.31		1.21		2.88				
8/22/2024									0.686 (U)
2/5/2025				1.73		1.15			
2/6/2025							0.876 (U)		
2/7/2025								0.13 (U)	1.29
2/10/2025					2.08				
2/11/2025		0.951 (U)	1.16						
2/12/2025	2.61								

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
Mean	1.588	0.7724	1.447	0.9181	2.514	1.039	0.5556	0.764	1.101
Std. Dev.	0.5897	0.3576	0.3324	0.4422	0.5961	0.2806	0.2046	0.5015	0.4718
Upper Lim.	2.08	1.033	1.724	1.287	3.09	1.31	0.7261	1.182	2.172
Lower Lim.	1.097	0.489	1.17	0.5496	1.939	0.7683	0.3851	0.3461	0.02984

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.12 (J)	<0.1					
6/7/2016		<0.1			0.09 (J)	<0.1		<0.1	0.15 (J)
6/8/2016	0.19 (J)								
8/10/2016		0.07 (J)		0.04 (J)					
8/11/2016	0.15 (J)		0.27 (J)					0.12 (J)	0.3 (J)
8/12/2016						0.08 (J)			
8/16/2016					0.09 (J)				
10/4/2016		0.07 (J)		0.06 (J)					
10/5/2016			0.12 (J)						
10/6/2016	0.17 (J)					0.06 (J)			
10/7/2016					0.17 (J)			0.08 (J)	0.14 (J)
12/1/2016				0.09 (J)					
12/2/2016		0.09 (J)							
12/5/2016			0.26 (J)			0.12 (J)			
12/6/2016	0.22 (J)				0.16 (J)			0.24 (J)	0.19 (J)
2/14/2017		0.02 (J)		<0.1					
2/15/2017	0.18 (J)		0.46			0.33			
2/16/2017					0.38			0.31	0.51
4/13/2017				0.04 (J)					
4/14/2017		0.02 (J)							
4/17/2017			0.14 (J)						
4/18/2017	0.11 (J)				0.12 (J)	0.006 (J)		0.02 (J)	
4/19/2017									0.18 (J)
5/25/2017				0.02 (J)					
5/26/2017		0.02 (J)	0.13 (J)						
5/30/2017								0.51	0.15 (J)
6/2/2017	0.07 (J)				0.03 (J)	0.04 (J)			
7/7/2017				0.12 (J)					
7/10/2017		0.03 (J)							
7/11/2017			0.2 (J)						
7/12/2017					0.15 (J)				
7/13/2017						0.17 (J)			
7/14/2017	0.23 (J)							0.14 (J)	0.16 (J)
10/9/2017				<0.1					
10/10/2017		<0.1	0.61			0.08 (J)			
10/11/2017	0.1 (J)				0.07 (J)			0.29 (J)	0.64
3/26/2018		<0.1							
3/27/2018	<0.3		0.36		<0.1			<0.1	0.33
3/28/2018						<0.1			
6/12/2018		0.061 (J)	0.13 (J)					0.061 (J)	
6/13/2018	0.25 (J)								
6/14/2018					0.046 (J)	<0.1			0.11 (J)
10/16/2018		<0.1		<0.1					
10/17/2018			0.13 (J)			<0.1			<0.3
10/18/2018	0.047 (J)				<0.1			<0.1	
2/25/2019		<0.1						0.13 (J)	
2/27/2019									0.26 (J)
2/28/2019	0.23 (J)				0.14 (J)	0.18 (J)			
4/1/2019		<0.1	0.33			0.065 (J)			
4/2/2019	0.22 (J)			<0.1	0.044 (J)			0.23 (J)	0.14 (J)
9/23/2019				<0.1					
9/24/2019	0.12 (J)	<0.1	0.096 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
9/25/2019					0.075 (J)	0.13 (J)			
9/26/2019								<0.1	0.071 (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						0.051 (J)			0.11 (J)
3/18/2020		<0.1							
3/19/2020	0.12 (J)		0.074 (J)	<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)		
9/23/2020		<0.1		<0.1					
9/24/2020			0.091 (J)		<0.1			0.059 (J)	0.12
9/25/2020	0.11					<0.1			
10/1/2020							<0.1		
11/10/2020							<0.1		
12/15/2020							0.052 (J)		
1/20/2021							<0.1		
2/16/2021		<0.1							
2/17/2021			0.086 (J)						
2/18/2021	0.13			<0.1	<0.1		0.055 (J)	0.064 (J)	0.1
2/19/2021						<0.1			
3/24/2021		<0.1	0.075 (J)			<0.1	<0.1	0.053 (J)	0.11
3/30/2021	0.18				<0.1				
3/31/2021				<0.1					
8/16/2021				<0.1					
8/18/2021		<0.1	0.073 (J)		<0.1	<0.1	<0.1	<0.1	
8/19/2021	0.12								0.097 (J)
2/9/2022				<0.1			<0.1		
2/10/2022		<0.1	0.071 (J)						
2/11/2022	0.12				<0.1	<0.1		0.056 (J)	0.1
7/26/2022		0.067 (J)	0.11	0.052 (J)			0.082 (J)		
7/27/2022						0.081 (J)		0.091 (J)	0.13
7/28/2022	0.16				0.064 (J)				
1/25/2023				0.066 (J)					
1/26/2023	0.15	0.063 (J)	0.09 (J)			0.083 (J)	0.084 (J)	0.091 (J)	0.13
1/27/2023					0.058 (J)				
8/15/2023				<0.1					
8/16/2023		0.064 (J)				0.089 (J)	0.076 (J)		
8/17/2023	0.14		0.091 (J)		0.05 (J)			0.074 (J)	0.12
1/31/2024				0.053 (J)					
2/1/2024		0.051 (J)	0.074 (J)		0.051 (J)	0.071 (J)	0.066 (J)	0.072 (J)	0.12
2/2/2024	0.15								
8/15/2024				<0.1					
8/16/2024	0.17	0.066 (J)					0.082 (J)		
8/19/2024			0.1			0.088 (J)		0.1	0.14
8/20/2024					0.067 (J)				
2/4/2025				0.065 (J)					
2/5/2025		0.073 (J)	0.11			0.1	0.085 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/6/2025	0.18				0.068 (J)			0.12	
2/7/2025									0.17
Mean	0.1531	0.07732	0.1653	0.08424	0.1008	0.1009	0.08378	0.1273	0.1803
Std. Dev.	0.04916	0.02799	0.1345	0.02613	0.06502	0.05634	0.01749	0.103	0.1273
Upper Lim.	0.1761	0.1	0.2	0.1	0.09982	0.1	0.1	0.1216	0.17
Lower Lim.	0.1301	0.064	0.086	0.065	0.05664	0.08	0.065	0.0622	0.12

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
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		
8/12/2016	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	0.16 (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	0.32								
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									0.06 (J)
2/7/2017									0.09 (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)	0.65	0.16 (J)	
3/27/2017									0.09 (J)
4/17/2017									0.36
4/19/2017	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									0.05 (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)		0.32
7/11/2017									0.13 (J)
7/14/2017	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									0.17 (J)
10/10/2017									0.35
10/11/2017	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									0.75
3/27/2018	<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	0.095 (J)			<0.1	0.15 (J)			<0.1	
6/15/2018		0.07 (J)							0.51
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	0.44
2/27/2019	<0.1		0.13 (J)						
3/1/2019		0.14 (J)			0.34	0.38	1	0.12 (J)	0.24 (J)
4/2/2019	0.044 (J)								0.68
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	0.052 (J)	<0.1	<0.1						
9/27/2019					1	0.54			0.13 (J)
9/30/2019				0.066 (J)			1.2	0.065 (J)	
2/24/2020	<0.1	0.05 (J)	<0.1						
2/25/2020					0.24 (J)	0.066 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
2/26/2020				<0.1			0.064 (J)	<0.1	0.057 (J)
3/20/2020	<0.1	<0.1		<0.1	0.23 (J)				
3/23/2020			<0.1			0.056 (J)			0.054 (J)
3/24/2020								<0.1	
3/25/2020							0.056 (J)		
9/24/2020	0.058 (J)			<0.1	0.24	0.062 (J)			
9/25/2020							0.054 (J)		<0.1
9/28/2020		<0.1	<0.1					<0.1	
2/18/2021	<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									<0.1
3/24/2021	<0.1								
3/25/2021									<0.1
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									<0.1
8/19/2021	<0.1							<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		0.055 (J)
2/14/2022						<0.1			0.075 (J)
2/15/2022					0.24		<0.1		
2/16/2022	<0.1	<0.1	<0.1	<0.1				<0.1	
7/27/2022	0.081 (J)	0.071 (J)	0.062 (J)					0.051 (J)	
7/28/2022				<0.1					
8/1/2022						0.07 (J)			0.09 (J)
8/2/2022					0.19		0.097 (J)		
10/21/2022							0.14		
1/26/2023	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		0.092 (J)
2/2/2023						0.074 (J)			
2/7/2023					0.26				
8/17/2023	0.056 (J)							<0.1	
8/18/2023		0.077 (J)	0.068 (J)						
8/21/2023									0.065 (J)
8/22/2023					0.23				
8/23/2023				<0.1		<0.1			
8/25/2023							0.15		
1/30/2024							0.13		
2/2/2024	<0.1	0.069 (J)							
2/5/2024			0.056 (J)	<0.1				<0.1	
2/6/2024									0.073 (J)
2/8/2024					0.19	0.059 (J)			
8/19/2024	0.081 (J)	<0.1							
8/20/2024			0.072 (J)					0.055 (J)	
8/21/2024					0.22		0.17		
8/22/2024				<0.1		<0.1			0.087 (J)
2/6/2025			0.077 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
2/7/2025	0.074 (J)	0.083 (J)							
2/10/2025				0.078 (J)				0.066 (J)	0.091 (J)
2/11/2025						0.056 (J)	0.17		
2/13/2025					0.29				
Mean	0.1168	0.1108	0.1098	0.08652	0.3523	0.1513	0.6821	0.08893	0.187
Std. Dev.	0.09127	0.1016	0.1212	0.02414	0.2622	0.1938	1.01	0.02993	0.1888
Upper Lim.	0.1	0.1	0.1	0.1	0.33	0.1	0.65	0.08537	0.17
Lower Lim.	0.074	0.071	0.064	0.08	0.23	0.068	0.097	0.05534	0.087

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

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
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		
2/16/2022	<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)
2/1/2023					0.13				
2/2/2023								0.098 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							0.11		
8/18/2023	<0.1	0.14	0.052 (J)						0.089 (J)
8/21/2023					0.11		0.12		
8/23/2023								0.11	
8/24/2023				0.1		0.14			
1/30/2024					0.096 (J)				
2/2/2024	<0.1								
2/5/2024			<0.1						
2/6/2024							0.25		
2/7/2024				0.15		0.14			0.072 (J)
2/8/2024		0.12						0.1	
8/19/2024	0.051 (J)								
8/20/2024			0.057 (J)		0.13				0.078 (J)
8/21/2024		0.13							
8/22/2024				0.15		0.16	0.58	0.16	
2/5/2025					0.14				
2/6/2025	0.055 (J)		0.065 (J)						
2/10/2025									0.085 (J)
2/11/2025				0.16		0.17	0.61		
2/12/2025		0.14							
2/18/2025								0.081 (J)	
Mean	0.09413	0.2776	0.08263	0.2181	0.1529	0.2469	0.4443	0.1054	0.08543
Std. Dev.	0.01607	0.3139	0.02392	0.1897	0.085	0.132	0.1963	0.03876	0.01862
Upper Lim.	0.1	0.51	0.1	0.23	0.15	0.43	0.5833	0.1328	0.09251
Lower Lim.	0.055	0.13	0.053	0.13	0.11	0.14	0.3052	0.0779	0.06832

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
5/4/2020	<0.1		0.93	<0.1					
5/11/2020		0.34							
5/20/2020		0.4	0.78						
9/2/2020	0.088 (J)								
9/3/2020		0.5	0.87	<0.1					
1/28/2021							0.17	0.1	
2/18/2021				0.16					
2/22/2021	0.099 (J)	0.69							
2/23/2021							0.087 (J)	0.073 (J)	
3/8/2021			0.9						
3/29/2021			1						
3/30/2021							0.11	0.12	
3/31/2021	0.077 (J)			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)	0.093 (J)	
8/24/2021	0.11				<0.1				
2/9/2022				0.11		0.08 (J)			
2/14/2022							0.13	0.1	
2/15/2022	0.07 (J)		0.89						
2/17/2022		0.61			<0.1				
4/28/2022									<0.1
7/26/2022				<0.1		0.12			
7/28/2022		0.55						0.14	
7/29/2022	0.1								
8/1/2022			0.86		0.087 (J)		0.16		
8/2/2022									0.055 (J)
1/25/2023				0.28		0.16			
1/30/2023		0.64							
1/31/2023							0.15	0.14	
2/1/2023	0.084 (J)				0.085 (J)				
2/2/2023									<0.1
2/7/2023			0.97						
8/15/2023				0.16		0.14			
8/21/2023							0.14		
8/22/2023					<0.1			0.098 (J)	
8/23/2023	<0.1		1.1						
8/24/2023		0.52							
1/30/2024			0.82						
1/31/2024				0.12		0.12			
2/5/2024							0.13	0.085 (J)	
2/6/2024					0.063 (J)				
2/7/2024	0.064 (J)	0.5							
8/15/2024				0.082 (J)					
8/16/2024						0.085 (J)			
8/20/2024		0.54					0.18	0.14	
8/21/2024	0.078 (J)		0.81		0.074 (J)				
8/22/2024									0.071 (J)
2/5/2025				0.12		0.15			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
2/6/2025							0.19		
2/7/2025								0.14	0.062 (J)
2/10/2025					0.087 (J)				
2/11/2025		0.56	0.89						
2/12/2025	0.077 (J)								
Mean	0.08725	0.5485	0.9443	0.1267	0.08344	0.1092	0.1392	0.1117	0.0776
Std. Dev.	0.01442	0.1053	0.1359	0.0543	0.01646	0.03766	0.03541	0.02509	0.02122
Upper Lim.	0.09448	0.6267	1.041	0.16	0.08406	0.1456	0.1687	0.1326	0.07364
Lower Lim.	0.07195	0.4702	0.8481	0.088	0.06036	0.07287	0.1097	0.09082	0.05169

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
6/6/2016		<0.001	<0.001						
6/7/2016	<0.001			<0.001	<0.001		<0.001	<0.001	
6/8/2016									<0.001
8/10/2016	<0.001		<0.001						
8/11/2016		<0.001					<0.001	<0.001	
8/12/2016					0.0001 (J)				0.0001 (J)
8/16/2016				<0.001					
10/4/2016	<0.001		<0.001						
10/5/2016		0.0005 (J)							
10/6/2016					0.0002 (J)				
10/7/2016				<0.001			<0.001	<0.001	<0.001
12/1/2016			<0.001						
12/2/2016	<0.001								
12/5/2016		0.0002 (J)			0.0003 (J)				
12/6/2016				<0.001			<0.001	<0.001	0.0001 (J)
2/14/2017	<0.001		<0.001						
2/15/2017		<0.001			<0.001				
2/16/2017				<0.001			<0.001	<0.001	0.0002 (J)
4/13/2017			<0.001						
4/14/2017	<0.001								
4/17/2017		0.0001 (J)							
4/18/2017				<0.001	<0.001		<0.001		
4/19/2017								<0.001	0.0001 (J)
5/25/2017			<0.001						
5/26/2017	0.0003 (J)	0.0001 (J)							
5/30/2017							0.0001 (J)	<0.001	
6/1/2017									9E-05 (J)
6/2/2017				<0.001	0.0001 (J)				
7/7/2017			<0.001						
7/10/2017	<0.001								
7/11/2017		<0.001							
7/12/2017				<0.001					
7/13/2017					0.0001 (J)				
7/14/2017							0.0002 (J)	<0.001	0.0001 (J)
3/26/2018	<0.001								
3/27/2018		<0.001		<0.001			<0.001	<0.001	<0.001
3/28/2018					<0.001				
2/25/2019	<0.001						<0.001		
2/27/2019								<0.001	<0.001
2/28/2019				<0.001	<0.001				
4/1/2019	<0.001	9.2E-05 (J)			<0.001				
4/2/2019			7E-05 (J)	<0.001			<0.001	<0.001	8.1E-05 (J)
9/23/2019			<0.001						
9/24/2019	<0.001	5.6E-05 (J)							
9/25/2019				0.00019 (J)	0.00063 (J)				
9/26/2019							0.00034 (J)	<0.001	<0.001
2/18/2020			<0.001						
2/19/2020	0.00014 (J)								
2/20/2020		8.2E-05 (J)		0.00014 (J)			0.00014 (J)		
2/24/2020					<0.001			7.9E-05 (J)	<0.001
3/18/2020	<0.001								
3/19/2020		6.3E-05 (J)	<0.001		<0.001		0.00013 (J)	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
3/20/2020									<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	<0.001		6.4E-05 (J)						
9/24/2020		<0.001		<0.001			0.00021 (J)	<0.001	<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			
2/16/2021	0.0001 (J)								
2/17/2021		7.5E-05 (J)							
2/18/2021			5.7E-05 (J)	<0.001		<0.001	0.00013 (J)	<0.001	<0.001
2/19/2021					8.7E-05 (J)				
3/24/2021	0.00015 (J)	<0.001			0.00013 (J)	<0.001	8E-05 (J)	<0.001	<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	<0.001	<0.001		
8/19/2021								<0.001	<0.001
2/9/2022			<0.001			<0.001			
2/10/2022	<0.001	<0.001							
2/11/2022				<0.001	<0.001		<0.001	<0.001	
2/16/2022									<0.001
7/26/2022	<0.001	<0.001	<0.001			<0.001			
7/27/2022					<0.001		<0.001	<0.001	<0.001
7/28/2022				<0.001					
1/25/2023			<0.001						
1/26/2023	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001
1/27/2023				<0.001					
8/15/2023			<0.001						
8/16/2023	<0.001				<0.001	<0.001			
8/17/2023		<0.001		<0.001			0.00041 (J)	<0.001	<0.001
1/31/2024			<0.001						
2/1/2024	<0.001	<0.001		<0.001	<0.001	<0.001	0.00055 (J)	<0.001	
2/2/2024									<0.001
8/15/2024			<0.001						
8/16/2024	<0.001					<0.001			
8/19/2024		<0.001			<0.001		0.00021 (J)	<0.001	<0.001
8/20/2024				<0.001					
2/4/2025			<0.001						
2/5/2025	<0.001	<0.001			<0.001	<0.001			
2/6/2025				<0.001			0.00027 (J)		
2/7/2025								<0.001	<0.001
Mean	0.0008676	0.0006778	0.0008413	0.0009332	0.0007459	0.0007945	0.0006308	0.0009632	0.0007508
Std. Dev.	0.0003112	0.0004329	0.000354	0.0002313	0.0003912	0.0003957	0.0004036	0.0001842	0.0004083
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0003	0.0001	0.00016	0.00019	0.0003	0.00011	0.0002	7.9E-05	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
6/8/2016	<0.001	<0.001	<0.001	<0.001			<0.001		
6/9/2016					<0.001	0.00059 (J)			
8/12/2016	<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								
10/10/2016		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
12/7/2016	<0.001	<0.001			<0.001	<0.001			
12/8/2016			<0.001	<0.001			0.0006 (J)		
1/23/2017								0.0003 (J)	
2/7/2017								0.0002 (J)	
2/16/2017	<0.001								
2/17/2017		<0.001	<0.001	<0.001					
2/20/2017					<0.001	<0.001	0.0004 (J)		
3/27/2017								8E-05 (J)	
4/17/2017								<0.001	
4/19/2017	0.0006 (J)	<0.001	<0.001		<0.001	<0.001			
4/20/2017				<0.001			0.0002 (J)		
5/22/2017								<0.001	
6/1/2017	<0.001	0.0001 (J)	<0.001				7E-05 (J)		
6/5/2017				<0.001	<0.001	7E-05 (J)		<0.001	
7/11/2017								8E-05 (J)	
7/14/2017	<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								<0.001	
3/26/2018								<0.001	
3/27/2018	<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							
3/1/2019	<0.001			0.00033 (J)	<0.001	<0.001	<0.001	<0.001	
4/2/2019								<0.001	
4/3/2019	<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001	<0.001			
4/4/2019							<0.001		0.00065 (J)
9/24/2019									0.0004 (J)
9/26/2019	<0.001	<0.001							
9/27/2019				5.4E-05 (J)	<0.001			0.00018 (J)	
9/30/2019			7.3E-05 (J)			<0.001	<0.001		
2/24/2020	<0.001	<0.001							
2/25/2020				<0.001	<0.001				
2/26/2020			5.3E-05 (J)			<0.001	<0.001	0.00035 (J)	7.6E-05 (J)
3/20/2020	<0.001		6E-05 (J)	<0.001					
3/23/2020		<0.001			<0.001			0.00011 (J)	0.00028 (J)
3/24/2020							<0.001		
3/25/2020						5.4E-05 (J)			
9/24/2020			5E-05 (J)	0.00014 (J)	0.00014 (J)				
9/25/2020						0.0001 (J)		0.00016 (J)	
9/28/2020	3.8E-05 (J)	8.3E-05 (J)					5.1E-05 (J)		0.0013 (J)
2/18/2021	<0.001	<0.001							
2/19/2021			8.7E-05 (J)	0.00011 (J)	<0.001	4.3E-05 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
2/22/2021									0.00045 (J)
2/23/2021							7.4E-05 (J)		
3/8/2021								0.00018 (J)	
3/25/2021								0.00015 (J)	
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)					0.00061 (J)
8/19/2021							<0.001	<0.001	
8/20/2021	<0.001	<0.001	<0.001						<0.001
8/23/2021				<0.001	<0.001	<0.001			
2/14/2022					<0.001			<0.001	
2/15/2022				<0.001		<0.001			
2/16/2022	<0.001	<0.001	<0.001				<0.001		<0.001
7/27/2022	<0.001	<0.001					<0.001		
7/28/2022			<0.001						<0.001
8/1/2022					<0.001			<0.001	
8/2/2022				<0.001		<0.001			
10/21/2022						<0.001			
1/27/2023	<0.001		<0.001				<0.001		<0.001
1/30/2023		<0.001							
2/1/2023						<0.001		<0.001	
2/2/2023					<0.001				
2/7/2023				<0.001					
8/17/2023							<0.001		
8/18/2023	<0.001	<0.001							0.00024 (J)
8/21/2023								0.00017 (J)	
8/22/2023				0.00014 (J)					
8/23/2023			<0.001		<0.001				
8/25/2023						<0.001			
1/30/2024						<0.001			
2/2/2024	0.00018 (J)								0.00043 (J)
2/5/2024		<0.001	<0.001				<0.001		
2/6/2024								<0.001	
2/8/2024				<0.001	<0.001				
8/19/2024	<0.001								0.00019 (J)
8/20/2024		<0.001					<0.001		
8/21/2024				<0.001		<0.001			
8/22/2024			<0.001		<0.001			<0.001	
2/6/2025		<0.001							<0.001
2/7/2025	<0.001								
2/10/2025			<0.001				<0.001	<0.001	
2/11/2025					<0.001	<0.001			
2/13/2025				<0.001					
Mean	0.0009127	0.0009273	0.0007285	0.0007934	0.000938	0.0008049	0.000761	0.0006384	0.0006417
Std. Dev.	0.0002556	0.0002516	0.0004322	0.000378	0.000216	0.0003756	0.0003743	0.0004198	0.000381
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000628
Lower Lim.	0.0006	0.0001	8.7E-05	0.00033	0.00031	0.00059	0.0005	0.00017	0.0002352

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D
4/2/2019				0.00067 (J)					
4/4/2019		5.4E-05 (J)	0.00023 (J)						
4/5/2019	<0.001								
9/24/2019		<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				0.00033 (J)					
2/27/2020	<0.001	<0.001				0.00025 (J)	<0.001		
2/28/2020								0.00014 (J)	
3/23/2020				0.00014 (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)			<0.001
9/25/2020	0.00011 (J)		0.00037 (J)		0.00029 (J)				
9/28/2020		<0.001		0.00017 (J)					
9/29/2020							<0.001	0.00024 (J)	
2/19/2021		<0.001							
2/22/2021			0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)	<0.001
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						<0.001			
3/30/2021	<0.001	<0.001						0.00018 (J)	
3/31/2021							<0.001		3.6E-05 (J)
8/19/2021						<0.001			
8/20/2021			<0.001		<0.001				
8/23/2021				<0.001					
8/24/2021		<0.001					<0.001	<0.001	<0.001
8/25/2021	<0.001								
2/14/2022				<0.001		<0.001			
2/15/2022									<0.001
2/16/2022	<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	
7/29/2022	<0.001			<0.001					<0.001
8/2/2022						<0.001	<0.001		
1/30/2023		<0.001	<0.001		<0.001				
1/31/2023	<0.001							<0.001	
2/1/2023				<0.001					<0.001
2/2/2023							<0.001		
2/7/2023						<0.001			
8/18/2023	<0.001	<0.001						<0.001	
8/21/2023				<0.001		0.00014 (J)			
8/23/2023							<0.001		<0.001
8/24/2023			<0.001		0.00014 (J)				
1/30/2024				<0.001					
2/5/2024		<0.001							
2/6/2024						<0.001			
2/7/2024			<0.001		<0.001			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D
2/8/2024	<0.001						<0.001		
8/20/2024		<0.001		<0.001				<0.001	
8/21/2024	<0.001								<0.001
8/22/2024			<0.001		<0.001	<0.001	<0.001		
2/5/2025				<0.001					
2/6/2025		<0.001							
2/10/2025								<0.001	
2/11/2025			<0.001		<0.001	<0.001			
2/12/2025	<0.001								<0.001
2/18/2025							<0.001		
Mean	0.0008788	0.0009369	0.0006806	0.000728	0.0006688	0.0007515	0.0009308	0.0006823	0.0009124
Std. Dev.	0.0003199	0.0002443	0.00041	0.0003702	0.000439	0.0003888	0.0002496	0.0004189	0.0002907
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00011	5.4E-05	0.00018	0.00017	8.2E-05	0.00016	0.0001	0.00017	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
9/3/2020	<0.001	0.00012 (J)	<0.001				
1/28/2021						0.00016 (J)	5.4E-05 (J)
2/18/2021			0.00017 (J)				
2/22/2021	4.1E-05 (J)						
2/23/2021						0.00015 (J)	0.0001 (J)
3/8/2021		<0.001					
3/29/2021		<0.001					
3/30/2021						0.00022 (J)	0.00011 (J)
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		
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		
2/14/2022						<0.001	<0.001
2/15/2022		<0.001					
2/17/2022	<0.001			<0.001			
7/26/2022			<0.001		<0.001		
7/28/2022	<0.001						<0.001
8/1/2022		<0.001		<0.001		<0.001	
1/25/2023			<0.001		<0.001		
1/30/2023	<0.001						
1/31/2023						<0.001	<0.001
2/1/2023				<0.001			
2/7/2023		<0.001					
8/15/2023			<0.001		<0.001		
8/21/2023						<0.001	
8/22/2023				<0.001			<0.001
8/23/2023		<0.001					
8/24/2023	<0.001						
1/30/2024		<0.001					
1/31/2024			<0.001		<0.001		
2/5/2024						<0.001	<0.001
2/6/2024				<0.001			
2/7/2024	<0.001						
8/15/2024			<0.001				
8/16/2024					<0.001		
8/20/2024	<0.001					<0.001	<0.001
8/21/2024		<0.001		<0.001			
2/5/2025			<0.001		<0.001		
2/6/2025						<0.001	
2/7/2025							<0.001
2/10/2025				<0.001			
2/11/2025	<0.001	<0.001					
Mean	0.0008259	0.00092	0.0009245	0.0008938	0.0009044	0.0007755	0.0007513
Std. Dev.	0.0003873	0.0002653	0.0002503	0.0003187	0.0002867	0.000385	0.0004262
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	4.4E-05	0.001	0.001	4.4E-05	0.00014	0.00016	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			<0.03	<0.03					
6/7/2016		<0.03			0.0065	<0.03		<0.03	<0.03
6/8/2016	0.0079								
8/10/2016		<0.03		<0.03					
8/11/2016	0.0093 (J)		<0.03					<0.03	<0.03
8/12/2016						<0.03			
8/16/2016					<0.03				
10/4/2016		<0.03		<0.03					
10/5/2016			<0.03						
10/6/2016	0.0102 (J)					<0.03			
10/7/2016					<0.03			<0.03	<0.03
12/1/2016				<0.03					
12/2/2016		<0.03							
12/5/2016			<0.03			<0.03			
12/6/2016	0.0094 (J)				<0.03			<0.03	<0.03
2/14/2017		<0.03		<0.03					
2/15/2017	<0.05		<0.03			<0.03			
2/16/2017					<0.03			<0.03	<0.03
4/13/2017				<0.03					
4/14/2017		<0.03							
4/17/2017			0.0013 (J)						
4/18/2017	0.0086 (J)				0.0011 (J)	<0.03		<0.03	
4/19/2017									<0.03
5/25/2017				<0.03					
5/26/2017		<0.03	0.0013 (J)						
5/30/2017								<0.03	<0.03
6/2/2017	0.0102 (J)				0.0011 (J)	<0.03			
7/7/2017				<0.03					
7/10/2017		<0.03							
7/11/2017			<0.03						
7/12/2017					<0.03				
7/13/2017						<0.03			
7/14/2017	0.0092 (J)							<0.03	<0.03
3/26/2018		<0.03							
3/27/2018	0.0087 (J)		0.0014 (J)		0.0025 (J)			<0.03	<0.03
3/28/2018						<0.03			
6/12/2018		<0.03	0.0012 (J)					<0.03	
6/13/2018	0.0084 (J)								
6/14/2018					0.0011 (J)	<0.03			<0.03
10/16/2018		0.001 (J)		<0.03					
10/17/2018			<0.03			<0.03			<0.03
10/18/2018	0.0083 (J)				0.0016 (J)			<0.03	
2/25/2019		<0.03						<0.03	
2/27/2019									<0.03
2/28/2019	0.0086 (J)				0.0017 (J)	0.0011 (J)			
4/1/2019		<0.03	0.0012 (J)			0.00078 (J)			
4/2/2019	0.0073 (J)			<0.03	0.0012 (J)			0.00049 (J)	0.00069 (J)
9/23/2019				<0.03					
9/24/2019	0.0083 (J)	<0.03	0.0011 (J)						
9/25/2019					<0.03	0.001 (J)			
9/26/2019								<0.03	<0.03
2/18/2020				<0.03					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2020		<0.03							
2/20/2020			0.002 (J)		0.00093 (J)			<0.03	
2/21/2020	0.0088 (J)								
2/24/2020						0.00091 (J)			<0.03
3/18/2020		<0.03							
3/19/2020	0.0097 (J)		0.0019 (J)	<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		<0.03					
9/24/2020			0.0011 (J)		0.0013 (J)			<0.03	<0.03
9/25/2020	0.0065 (J)					0.001 (J)			
10/1/2020							0.00095 (J)		
11/10/2020							<0.03		
12/15/2020							0.00091 (J)		
1/20/2021							0.00082 (J)		
2/16/2021		<0.03							
2/17/2021			0.0013 (J)						
2/18/2021	0.0072 (J)			<0.03	0.0011 (J)		<0.03	<0.03	<0.03
2/19/2021						0.0011 (J)			
3/24/2021		<0.03	0.0014 (J)			0.0012 (J)	<0.03	<0.03	<0.03
3/30/2021	0.0084 (J)				0.00092 (J)				
3/31/2021				0.00082 (J)					
8/16/2021				<0.03					
8/18/2021		<0.03	0.0013 (J)		<0.03	0.0013 (J)	0.00087 (J)	<0.03	
8/19/2021	0.007 (J)								<0.03
2/9/2022				<0.03			<0.03		
2/10/2022		<0.03	0.0016 (J)						
2/11/2022	0.0074 (J)				0.00079 (J)	0.0011 (J)		<0.03	<0.03
7/26/2022		<0.03	0.0014 (J)	<0.03			0.0011 (J)		
7/27/2022						0.0014 (J)		<0.03	<0.03
7/28/2022	0.0061 (J)				0.00076 (J)				
1/25/2023				<0.03					
1/26/2023	0.0065 (J)	<0.03	0.0018 (J)			0.0013 (J)	0.00077 (J)	<0.03	<0.03
1/27/2023					0.00082 (J)				
8/15/2023				<0.03					
8/16/2023		<0.03				0.0016 (J)	0.0016 (J)		
8/17/2023	0.0059 (J)		0.0015 (J)		<0.03			<0.03	<0.03
1/31/2024				<0.03					
2/1/2024		<0.03	0.002 (J)		<0.03	<0.03	0.0019 (J)	<0.03	<0.03
2/2/2024	0.0066 (J)								
8/15/2024				<0.03					
8/16/2024	0.0057 (J)	<0.03					0.0019 (J)		
8/19/2024			<0.03			0.0017 (J)		<0.03	<0.03
8/20/2024					<0.03				
2/4/2025				<0.03					
2/5/2025		<0.03	0.00148 (J)			0.00153 (J)	0.00137 (J)		
2/6/2025	0.0063 (J)				0.00129 (J)			0.00112 (J)	
2/7/2025									<0.03
Mean	0.008574	0.02893	0.01024	0.02878	0.01206	0.014	0.0124	0.02784	0.02891

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
Std. Dev.	0.003537	0.005581	0.01344	0.005956	0.01406	0.01459	0.01445	0.007792	0.005641
Upper Lim.	0.0092	0.03	0.002	0.03	0.03	0.03	0.03	0.03	0.03
Lower Lim.	0.0066	0.001	0.0013	0.00082	0.0011	0.0011	0.00091	0.00112	0.00069

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D
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)				
10/17/2018								0.0044 (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)		0.011 (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)			0.0021 (J)	
4/3/2019	0.012 (J)	0.024 (J)	0.013 (J)	0.0048 (J)					
4/4/2019						0.00068 (J)	0.0096 (J)		
9/24/2019						<0.03			
9/26/2019	0.018 (J)						0.013		
9/27/2019		0.039	0.024 (J)		0.0012 (J)			0.0028 (J)	
9/30/2019				0.0077 (J)					
2/24/2020	0.021 (J)								
2/25/2020		0.026 (J)	0.033				0.011 (J)		0.044
2/26/2020				0.0082 (J)	0.00096 (J)			0.001 (J)	
2/27/2020						<0.03			
3/20/2020		0.029 (J)							
3/23/2020	0.02 (J)		0.032		0.0014 (J)			<0.03	
3/24/2020						<0.03			0.025 (J)
3/25/2020				0.0078 (J)			0.0092 (J)		
9/24/2020		0.043	0.031						
9/25/2020				0.0078 (J)	0.0011 (J)		0.0062 (J)		0.014 (J)
9/28/2020	0.027 (J)					<0.03		0.0011 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D
2/18/2021	0.041								
2/19/2021		0.035	0.04	0.0086 (J)		<0.03			
2/22/2021							0.014 (J)		0.0092 (J)
3/8/2021					0.0012 (J)			0.0017 (J)	
3/25/2021					<0.03			0.0022 (J)	
3/26/2021			0.039 (J)	<0.03			0.02 (J)		0.0066 (J)
3/29/2021	0.036	0.033							
3/30/2021						<0.03			
8/19/2021					0.0012 (J)				
8/20/2021	0.025 (J)						0.016 (J)		0.004 (J)
8/23/2021		0.028 (J)	0.029 (J)	0.0076 (J)				0.0022 (J)	
8/24/2021						<0.03			
2/14/2022			0.033		0.0015 (J)			0.002 (J)	
2/15/2022		0.032 (J)		0.0086 (J)					
2/16/2022	0.031					<0.03			
2/17/2022							0.018 (J)		<0.15 (O)
7/27/2022	0.037								
7/28/2022						<0.03	0.016 (J)		0.0026 (J)
7/29/2022								0.0012 (J)	
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	0.021 (J)		0.0025 (J)
2/1/2023				0.0063 (J)	0.0018 (J)			0.0013 (J)	
2/2/2023			0.025 (J)						
2/7/2023		0.018 (J)							
8/18/2023	0.078					<0.03			
8/21/2023					0.0012 (J)			0.0012 (J)	
8/22/2023		0.021 (J)							
8/23/2023			0.016 (J)						
8/24/2023							0.023 (J)		0.003 (J)
8/25/2023				0.0058 (J)					
1/30/2024				0.0054 (J)				0.0016 (J)	
2/5/2024	0.095					<0.03			
2/6/2024					<0.03				
2/7/2024							0.023 (J)		0.0029 (J)
2/8/2024		0.021 (J)	0.019 (J)						
8/20/2024	0.099					<0.03		<0.03	
8/21/2024		0.021 (J)		0.0045 (J)					
8/22/2024			0.019 (J)		<0.03		0.022 (J)		0.0026 (J)
2/5/2025								0.00128 (J)	
2/6/2025	0.0861					0.000849 (J)			
2/10/2025					<0.03				
2/11/2025			0.0128 (J)	0.00445 (J)			0.0175 (J)		0.00218 (J)
2/13/2025		0.014 (J)							
Mean	0.05871	0.02283	0.01977	0.007377	0.009006	0.02453	0.01566	0.003505	0.009882
Std. Dev.	0.02842	0.009219	0.01007	0.002935	0.007641	0.01176	0.005327	0.004565	0.01269
Upper Lim.	0.08406	0.02723	0.02458	0.0078	0.0169	0.03	0.01912	0.0044	0.025
Lower Lim.	0.03336	0.01843	0.01497	0.0057	0.0014	0.00098	0.01219	0.0012	0.0025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
2/27/2020	0.02 (J)	0.0036 (J)							
2/28/2020			0.00084 (J)						
3/24/2020	0.019 (J)	0.0029 (J)							
3/25/2020			0.00079 (J)						
9/2/2020	0.0096 (J)			0.00092 (J)					
9/3/2020					0.0014 (J)	0.023 (J)	0.0016 (J)		
9/29/2020		0.0066 (J)	<0.03						
2/18/2021							0.0035 (J)		
2/22/2021		0.0038 (J)	<0.03	0.0017 (J)	<0.03				
3/8/2021						0.024 (J)			
3/9/2021	0.011 (J)								
3/29/2021	0.012 (J)					0.026 (J)			
3/30/2021			0.00086 (J)						
3/31/2021		0.0039 (J)		0.0017 (J)			0.0029 (J)		
4/1/2021					0.0022 (J)				
4/19/2021								0.0083 (J)	<0.03
8/18/2021							0.0027 (J)		<0.03
8/19/2021	0.0066 (J)								
8/20/2021					0.0012 (J)				
8/23/2021						0.031			
8/24/2021		0.0056 (J)	0.001 (J)	0.0024 (J)				0.01 (J)	
2/9/2022							0.0036 (J)		<0.03
2/14/2022	0.0061 (J)								
2/15/2022				0.002 (J)		0.027 (J)			
2/16/2022		0.0042 (J)	<0.15 (O)						
2/17/2022					<0.15 (O)			0.0076 (J)	
7/26/2022							0.0037 (J)		<0.03
7/28/2022			<0.03		0.0016 (J)				
7/29/2022				0.0018 (J)					
8/1/2022						0.025 (J)		0.0057 (J)	
8/2/2022	0.009 (J)	0.0038 (J)							
1/25/2023							0.004 (J)		0.0019 (J)
1/30/2023					<0.03				
1/31/2023			<0.03						
2/1/2023				0.0019 (J)				0.0042 (J)	
2/2/2023		0.0029 (J)							
2/7/2023	0.0011 (J)					0.016 (J)			
8/15/2023							0.0063 (J)		0.0015 (J)
8/18/2023			<0.03						
8/21/2023	<0.15 (o)								
8/22/2023								0.0065 (J)	
8/23/2023		0.0034 (J)		<0.15 (o)		0.022 (J)			
8/24/2023					0.0017 (J)				
1/30/2024						0.017 (J)			
1/31/2024							0.0059 (J)		0.0019 (J)
2/6/2024	0.0023 (J)							0.0058 (J)	
2/7/2024			<0.03	0.0022 (J)	0.0021 (J)				
2/8/2024		0.0048 (J)							
8/15/2024							0.0053 (J)		
8/16/2024									<0.03
8/20/2024			<0.03		0.002 (J)				
8/21/2024				0.002 (J)		0.019 (J)		0.0062 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
8/22/2024	0.006 (J)	0.0062 (J)							
2/5/2025							0.0031 (J)		0.00175 (J)
2/10/2025			<0.03					0.00469 (J)	
2/11/2025	0.0075 (J)				0.00193 (J)	0.0172 (J)			
2/12/2025				0.00169 (J)					
2/18/2025		0.00244 (J)							
Mean	0.009183	0.004165	0.02029	0.001831	0.007413	0.02247	0.003873	0.006554	0.01745
Std. Dev.	0.005774	0.001289	0.01434	0.0003954	0.01191	0.00476	0.001428	0.001819	0.01488
Upper Lim.	0.01371	0.005123	0.03	0.002184	0.03	0.02644	0.005062	0.00831	0.03
Lower Lim.	0.004653	0.003206	0.00084	0.001478	0.0014	0.01851	0.002683	0.004799	0.0015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	PZ-7
1/28/2021	0.0017 (J)	0.0037 (J)	
2/23/2021	0.0015 (J)	0.0038 (J)	
3/30/2021	0.0035 (J)	0.0038 (J)	
8/23/2021	0.0011 (J)	0.0033 (J)	
2/14/2022	<0.03	0.002 (J)	
4/28/2022			<0.03
7/28/2022		0.00088 (J)	
8/1/2022	<0.03		
8/2/2022			<0.03
1/31/2023	<0.03	0.0011 (J)	
2/2/2023			<0.03
8/21/2023	<0.03		
8/22/2023		<0.03	
2/5/2024	<0.03	<0.03	
8/20/2024	<0.03	<0.03	
8/22/2024			<0.03
2/6/2025	<0.03		
2/7/2025		0.00105 (J)	0.000796 (J)
Mean	0.0198	0.009966	0.02416
Std. Dev.	0.01416	0.01291	0.01306
Upper Lim.	0.03	0.03	0.03
Lower Lim.	0.0015	0.00105	0.000796

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			8E-05 (J)	8.4E-05 (J)					
6/7/2016		9.7E-05 (J)			0.0001 (J)	0.0001 (J)		9.8E-05 (J)	0.00017 (J)
6/8/2016	<0.0002								
8/10/2016		<0.0002		<0.0002					
8/11/2016	<0.0002		<0.0002					<0.0002	0.00019 (J)
8/12/2016						<0.0002			
8/16/2016					<0.0002				
10/4/2016		<0.0002		<0.0002					
10/5/2016			<0.0002						
10/6/2016	<0.0002					<0.0002			
10/7/2016					<0.0002			<0.0002	0.00014 (J)
12/1/2016				<0.0002					
12/2/2016		<0.0002							
12/5/2016			<0.0002			<0.0002			
12/6/2016	<0.0002				<0.0002			<0.0002	0.00016 (J)
2/14/2017		<0.0002		<0.0002					
2/15/2017	<0.0002		<0.0002			<0.0002			
2/16/2017					<0.0002			<0.0002	0.00017 (J)
4/13/2017				<0.0002					
4/14/2017		<0.0002							
4/17/2017			<0.0002						
4/18/2017	<0.0002				<0.0002	<0.0002		<0.0002	
4/19/2017									0.00014 (J)
5/25/2017				<0.0002					
5/26/2017		<0.0002	<0.0002						
5/30/2017								<0.0002	0.00023 (J)
6/2/2017	<0.0002				<0.0002	<0.0002			
7/7/2017				<0.0002					
7/10/2017		<0.0002							
7/11/2017			<0.0002						
7/12/2017					<0.0002				
7/13/2017						<0.0002			
7/14/2017	<0.0002							<0.0002	0.00016 (J)
3/26/2018		<0.0002							
3/27/2018	<0.0002		<0.0002		<0.0002			<0.0002	<0.0002
3/28/2018						<0.0002			
2/25/2019		<0.0002						<0.0002	
2/27/2019									0.00029 (J)
2/28/2019	5.3E-05 (J)				4.8E-05 (J)	5.8E-05 (J)			
4/1/2019		<0.0002	<0.0002			<0.0002			
4/2/2019	<0.0002			<0.0002	<0.0002			<0.0002	0.0004
9/23/2019				<0.0002					
9/24/2019	<0.0002	<0.0002	<0.0002						
9/25/2019					<0.0002	<0.0002			
9/26/2019								<0.0002	<0.0002
2/18/2020				<0.0002					
2/19/2020		<0.0002							
2/20/2020			<0.0002		<0.0002			<0.0002	
2/21/2020	<0.0002								
2/24/2020						<0.0002			0.0003 (J)
3/18/2020		<0.0002							
3/19/2020	<0.0002		<0.0002	<0.0002		<0.0002		<0.0002	0.00017 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
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		<0.0002					
9/24/2020			<0.0002		<0.0002			<0.0002	0.00027 (J)
9/25/2020	<0.0002					<0.0002			
10/1/2020							<0.0002		
11/10/2020							<0.0002		
12/15/2020							<0.0002		
1/20/2021							<0.0002		
2/16/2021		<0.0002							
2/17/2021			<0.0002						
2/18/2021	<0.0002			<0.0002	<0.0002		<0.0002	<0.0002	0.00017 (J)
2/19/2021						<0.0002			
3/24/2021		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	0.00012 (J)
3/30/2021	<0.0002				<0.0002				
3/31/2021				<0.0002					
8/16/2021				<0.0002					
8/18/2021		<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	0.0002 (J)	
8/19/2021	<0.0002								<0.0002
2/9/2022				<0.0002			<0.0002		
2/10/2022		<0.0002	<0.0002						
2/11/2022	<0.0002				<0.0002	<0.0002		<0.0002	<0.0002
7/26/2022		0.00016 (J)	0.00016 (J)	<0.0002			0.00016 (J)		
7/27/2022						<0.0002		<0.0002	0.00025
7/28/2022	<0.0002				<0.0002				
1/25/2023				<0.0002					
1/26/2023	<0.0002	<0.0002	0.00013 (J)			0.00013 (J)	<0.0002	0.00015 (J)	0.00027
1/27/2023					0.00018 (J)				
8/15/2023				<0.0002					
8/16/2023		<0.0002				<0.0002	<0.0002		
8/17/2023	<0.0002		<0.0002		<0.0002			<0.0002	0.00031
1/31/2024				<0.0002					
2/1/2024		<0.0002	<0.0002		<0.0002	<0.0002	0.00015 (J)	<0.0002	0.00031
2/2/2024	<0.0002								
8/15/2024				<0.0002					
8/16/2024	<0.0002	<0.0002					<0.0002		
8/19/2024			<0.0002			<0.0002		<0.0002	0.00019 (J)
8/20/2024					<0.0002				
2/4/2025				<0.0002					
2/5/2025		<0.0002	<0.0002			<0.0002	<0.0002		
2/6/2025	<0.0002				<0.0002			<0.0002	
2/7/2025									0.00017 (J)
Mean	0.0001941	0.0001943	0.0001904	0.000195	0.0001891	0.0001875	0.000195	0.0001939	0.0002152
Std. Dev.	2.94E-05	2.179E-05	2.851E-05	2.419E-05	3.567E-05	3.604E-05	1.465E-05	2.234E-05	6.808E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002233
Lower Lim.	5.3E-05	0.00016	0.00016	8.4E-05	0.00018	0.00013	0.00016	0.00015	0.0001475

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
6/8/2016	<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)			<0.0002	
6/9/2016						<0.0002	<0.0002		
8/12/2016	<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	<0.0002	<0.0002							
10/10/2016			<0.0002	<0.0002	<0.0002	<0.0002	4E-05 (J)	<0.0002	
12/6/2016	<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									8E-05 (J)
2/7/2017									0.00011 (J)
2/16/2017	<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									8E-05 (J)
4/17/2017									4E-05 (J)
4/19/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)		
4/20/2017					<0.0002			<0.0002	
5/22/2017									<0.0002
6/1/2017	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	
6/5/2017					<0.0002	<0.0002	0.00013 (J)		6E-05 (J)
7/11/2017									9.1E-05 (J)
7/14/2017	<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									5E-05 (J)
3/26/2018									<0.0002
3/27/2018	<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	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)	0.0001 (J)
4/2/2019	<0.0002								<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						
9/27/2019					<0.0002	<0.0002			<0.0002
9/30/2019				<0.0002			0.0011	<0.0002	
2/24/2020	<0.0002	<0.0002	<0.0002						
2/25/2020					<0.0002	<0.0002			
2/26/2020				<0.0002			0.0011	<0.0002	<0.0002
3/20/2020	<0.0002	<0.0002		<0.0002	<0.0002				
3/23/2020			<0.0002			<0.0002			<0.0002
3/24/2020								<0.0002	
3/25/2020							0.0011		
9/24/2020	<0.0002			<0.0002	<0.0002	<0.0002			
9/25/2020							0.0036		<0.0002
9/28/2020		<0.0002	<0.0002					<0.0002	
2/18/2021	<0.0002	<0.0002	<0.0002						
2/19/2021				<0.0002	<0.0002	<0.0002	0.0033		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
2/23/2021								<0.0002	
3/8/2021									<0.0002
3/24/2021	<0.0002								
3/25/2021									<0.0002
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		
2/14/2022						<0.0002			<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	<0.0002	<0.0002	<0.0002					<0.0002	
7/28/2022				<0.0002					
8/1/2022						<0.0002			<0.0002
8/2/2022					<0.0002		<0.0002		
10/21/2022							0.00026		
1/26/2023	<0.0002								
1/27/2023		0.00018 (J)		0.00021				0.00015 (J)	
1/30/2023			<0.0002						
2/1/2023							0.00059		<0.0002
2/2/2023						<0.0002			
2/7/2023					<0.0002				
8/17/2023	<0.0002							<0.0002	
8/18/2023		<0.0002	<0.0002						
8/21/2023									<0.0002
8/22/2023					<0.0002				
8/23/2023				<0.0002		0.00013 (J)			
8/25/2023							0.0023		
1/30/2024							0.00062		
2/2/2024	<0.0002	<0.0002							
2/5/2024			<0.0002	<0.0002				<0.0002	
2/6/2024									<0.0002
2/8/2024					<0.0002	<0.0002			
8/19/2024	<0.0002	<0.0002							
8/20/2024			<0.0002					<0.0002	
8/21/2024					<0.0002		0.00072		
8/22/2024				<0.0002		<0.0002			<0.0002
2/6/2025			<0.0002						
2/7/2025	<0.0002	<0.0002							
2/10/2025				<0.0002				<0.0002	<0.0002
2/11/2025						<0.0002	0.00085		
2/13/2025					<0.0002				
Mean	0.0001952	0.0001884	0.0001946	0.0002004	0.0001894	0.000185	0.001023	0.0001919	0.0001604
Std. Dev.	2.42E-05	3.76E-05	2.68E-05	2.041E-06	3.753E-05	4.382E-05	0.001357	3.179E-05	6.033E-05
Upper Lim.	0.0002	0.0002	0.0002	0.00021	0.0002	0.0002	0.0009518	0.0002	0.0002
Lower Lim.	7.9E-05	0.00018	6.6E-05	0.0002	9.2E-05	0.00013	0.0001971	0.00015	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-39	BGWC-41D	BGWC-43D	BGWC-44D
4/2/2019				<0.0002					
4/4/2019	<0.0002	<0.0002	<0.0002						
9/24/2019	<0.0002	<0.0002							
9/26/2019			<0.0002						
9/27/2019				<0.0002					
12/13/2019						<0.0002			
2/25/2020			<0.0002						
2/26/2020	<0.0002			0.00018 (J)					
2/27/2020		<0.0002			<0.0002	<0.0002			
3/23/2020	<0.0002			<0.0002					
3/24/2020		<0.0002			<0.0002	<0.0002			
3/25/2020			<0.0002						
9/2/2020					0.0001 (J)		<0.0002		
9/3/2020								<0.0002	<0.0002
9/25/2020			<0.0002						
9/28/2020	<0.0002	<0.0002		<0.0002					
9/29/2020						<0.0002			
2/18/2021									<0.0002
2/19/2021		<0.0002							
2/22/2021	<0.0002		<0.0002			<0.0002	<0.0002		
3/8/2021				<0.0002				<0.0002	
3/9/2021					<0.0002				
3/25/2021				<0.0002					
3/26/2021			<0.0002						
3/29/2021	<0.0002				<0.0002			<0.0002	
3/30/2021		<0.0002							
3/31/2021						<0.0002	<0.0002		<0.0002
8/18/2021									<0.0002
8/19/2021					0.00012 (J)				
8/20/2021	<0.0002		<0.0002						
8/23/2021				<0.0002				<0.0002	
8/24/2021		<0.0002				<0.0002	<0.0002		
2/9/2022									<0.0002
2/14/2022				<0.0002	<0.0002				
2/15/2022							<0.0002	<0.0002	
2/16/2022	<0.0002	<0.0002				<0.0002			
2/17/2022			<0.0002						
7/26/2022									0.00017 (J)
7/28/2022	0.00015 (J)	0.00014 (J)	0.00016 (J)						
7/29/2022				<0.0002			<0.0002		
8/1/2022								<0.0002	
8/2/2022					0.00028	<0.0002			
1/25/2023									<0.0002
1/27/2023	0.00014 (J)								
1/30/2023		0.00016 (J)	0.00014 (J)						
2/1/2023				<0.0002			<0.0002		
2/2/2023						<0.0002			
2/7/2023					<0.0002			<0.0002	
8/15/2023									<0.0002
8/18/2023	<0.0002	<0.0002							
8/21/2023				0.00016 (J)	0.00057				
8/23/2023						<0.0002	0.00018 (J)	0.00015 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-39	BGWC-41D	BGWC-43D	BGWC-44D
8/24/2023			<0.0002						
1/30/2024				<0.0002				<0.0002	
1/31/2024									<0.0002
2/2/2024	<0.0002								
2/5/2024		<0.0002							
2/6/2024					<0.0002				
2/7/2024			<0.0002				<0.0002		
2/8/2024						<0.0002			
8/15/2024									<0.0002
8/19/2024	<0.0002								
8/20/2024		<0.0002		<0.0002					
8/21/2024							<0.0002	<0.0002	
8/22/2024			<0.0002		<0.0002	0.00015 (J)			
2/5/2025				<0.0002					<0.0002
2/6/2025	<0.0002	<0.0002							
2/11/2025			<0.0002		<0.0002			<0.0002	
2/12/2025							<0.0002		
2/18/2025						<0.0002			
Mean	0.0001927	0.0001933	0.0001933	0.000196	0.0002208	0.0001964	0.0001982	0.0001955	0.0001973
Std. Dev.	1.944E-05	1.799E-05	1.799E-05	1.121E-05	0.0001133	1.336E-05	6.03E-06	1.508E-05	9.045E-06
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.00028	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00015	0.00016	0.00016	0.00018	0.00012	0.00015	0.0002	0.0002	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	PZ-7
1/28/2021	0.0046	0.00019 (J)	
2/23/2021	0.0033	<0.0002	
3/30/2021	0.002	<0.0002	
8/23/2021	0.0014	<0.0002	
2/14/2022	0.00025	<0.0002	
4/28/2022			<0.0002
7/28/2022		<0.0002	
8/1/2022	<0.0002		
8/2/2022			0.00059
1/31/2023	0.00021	0.00018 (J)	
2/2/2023			0.00015 (J)
8/21/2023	0.00016 (J)		
8/22/2023		<0.0002	
2/5/2024	<0.0002	<0.0002	
8/20/2024	<0.0002	<0.0002	
8/22/2024			0.0009
2/6/2025	<0.0002		
2/7/2025		<0.0002	0.00068
Mean	0.001156	0.0001973	0.000504
Std. Dev.	0.001536	6.467E-06	0.0003213
Upper Lim.	0.0033	0.0002	0.0009941
Lower Lim.	0.0002	0.00019	0

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
6/6/2016			0.0028 (J)	<0.01					
6/7/2016		0.00063 (J)			0.0067 (J)				
6/8/2016	0.0088 (J)						<0.01	0.011 (J)	0.0027 (J)
8/10/2016		0.0039 (J)		<0.01					
8/11/2016	0.01		0.003 (J)						
8/12/2016							<0.01	0.0127	
8/16/2016					0.0032 (J)				
8/18/2016									0.0023 (J)
10/4/2016		0.0052 (J)		<0.01					
10/5/2016			0.0032 (J)						
10/6/2016	0.0117								
10/7/2016					0.0032 (J)		<0.01		
10/10/2016								0.0136	0.0025 (J)
12/1/2016				<0.01					
12/2/2016		<0.01							
12/5/2016			0.0033 (J)						
12/6/2016	0.0102				0.0049 (J)				
12/7/2016							<0.01	0.0139	
12/8/2016									<0.01
2/14/2017		0.0044 (J)		<0.01					
2/15/2017	0.0018 (J)		0.0027 (J)						
2/16/2017					0.0039 (J)		<0.01		
2/17/2017								0.0148	<0.01
4/13/2017				<0.01					
4/14/2017		0.0013 (J)							
4/17/2017			0.0025 (J)						
4/18/2017	0.0103				0.0032 (J)				
4/19/2017							<0.01	0.012	0.0014 (J)
5/25/2017				<0.01					
5/26/2017		0.0024 (J)	0.0029 (J)						
6/1/2017							<0.01	0.0125	0.0012 (J)
6/2/2017	0.0129				0.0035 (J)				
7/7/2017				<0.01					
7/10/2017		0.0013 (J)							
7/11/2017			0.0029 (J)						
7/12/2017					0.0037 (J)				
7/14/2017	0.0129						<0.01		
7/18/2017								0.0155	0.0013 (J)
3/26/2018		<0.01							
3/27/2018	0.01		0.0031 (J)		0.0032 (J)		<0.01		
3/28/2018								0.012	<0.01
6/12/2018		0.0026 (J)	0.0043 (J)						
6/13/2018	0.013							0.016	
6/14/2018					0.0033 (J)				<0.01
6/15/2018							<0.01		
10/16/2018		0.0041 (J)		<0.01					
10/17/2018			0.0038 (J)						
10/18/2018	0.01 (J)				0.0034 (J)				
10/19/2018							<0.01		<0.01
10/22/2018								0.013	
2/25/2019		<0.01							
2/27/2019								0.013	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
2/28/2019	0.016				0.0035 (J)				
3/1/2019							<0.01		
4/1/2019		0.00054 (J)	0.0027 (J)						
4/2/2019	0.011			0.00026 (J)	0.0032 (J)				
4/3/2019							0.00023 (J)	0.012	0.0019 (J)
9/23/2019				<0.01					
9/24/2019	0.01 (J)	0.0016 (J)	0.0041 (J)						
9/25/2019					0.0035 (J)				
9/26/2019							<0.01	0.015	
9/30/2019									0.003 (J)
2/18/2020				<0.01					
2/19/2020		0.0018 (J)							
2/20/2020			0.002 (J)		0.0037 (J)				
2/21/2020	0.011								
2/24/2020							<0.01	0.015	
2/26/2020									0.0016 (J)
3/18/2020		<0.01							
3/19/2020	0.011		0.0024 (J)	<0.01					
3/20/2020							<0.01		0.0023 (J)
3/23/2020					0.0035 (J)			0.016	
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		<0.01					
9/24/2020			0.0034 (J)		0.0032 (J)				0.0036 (J)
9/25/2020	0.0099 (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 (J)			
1/20/2021						0.0016 (J)			
2/16/2021		0.0011 (J)							
2/17/2021			0.0033 (J)						
2/18/2021	0.0098 (J)			<0.01	0.0036 (J)	0.0045 (J)	<0.01	0.028	
2/19/2021									0.0013 (J)
3/24/2021		<0.01	0.0027 (J)			<0.01			
3/26/2021							<0.01		
3/29/2021								0.024	0.0021 (J)
3/30/2021	0.011				0.0035 (J)				
3/31/2021				0.001 (J)					
8/16/2021				<0.01					
8/18/2021		0.0019 (J)	0.0028 (J)		0.0029 (J)	0.0011 (J)			
8/19/2021	0.0094 (J)								
8/20/2021							<0.01	0.026	0.003 (J)
2/9/2022				<0.01		<0.01			
2/10/2022		0.00081 (J)	0.0026 (J)						
2/11/2022	0.0088 (J)				0.003 (J)				
2/16/2022							<0.01	0.025	0.005 (J)
7/26/2022		0.00096 (J)	0.0029 (J)	<0.01		0.0015 (J)			
7/27/2022							<0.01	0.028	
7/28/2022	0.009 (J)				0.0028 (J)				0.0042 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
1/25/2023				<0.01					
1/26/2023	0.0096 (J)	0.00095 (J)	0.002 (J)			0.0016 (J)			
1/27/2023					0.0025 (J)		<0.01		0.003 (J)
1/30/2023								0.035	
8/15/2023				<0.01					
8/16/2023		<0.01				0.0016 (J)			
8/17/2023	0.011		0.0039 (J)		0.0025 (J)				
8/18/2023							<0.01	0.054	
8/23/2023									0.0027 (J)
1/31/2024				0.00063 (J)					
2/1/2024		<0.01	0.0016 (J)		0.002 (J)	0.0018 (J)			
2/2/2024	0.01						<0.01		
2/5/2024								0.056	0.004 (J)
8/15/2024				<0.01					
8/16/2024	0.01	<0.01				0.0017 (J)			
8/19/2024			0.0027 (J)				<0.01		
8/20/2024					0.0026 (J)			0.067	
8/22/2024									0.0046 (J)
2/4/2025				<0.01					
2/5/2025		<0.01	<0.01			<0.01			
2/6/2025	0.011				0.0027 (J)			0.068	
2/7/2025							<0.01		
2/10/2025									0.0049 (J)
Mean	0.01037	0.005018	0.003023	0.008829	0.003367	0.003558	0.009638	0.02396	0.004177
Std. Dev.	0.00231	0.004058	0.0007464	0.003167	0.0008629	0.00362	0.00188	0.01717	0.003091
Upper Lim.	0.011	0.01	0.003387	0.01	0.00365	0.0045	0.01	0.026	0.002912
Lower Lim.	0.0098	0.0013	0.002659	0.001	0.002949	0.0013	0.00023	0.013	0.001812

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D
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			
10/19/2018								0.0021 (J)	
10/22/2018	0.055	0.013	<0.01	<0.01	0.01		0.0038 (J)		0.033
11/29/2018									0.03
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)		0.0011 (J)	0.03
4/5/2019							0.0035 (J)		
5/2/2019	0.043								
5/3/2019							0.0048 (J)		
9/24/2019						<0.01		<0.01	
9/26/2019							0.003 (J)		0.033
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							0.026
2/26/2020			<0.01	<0.01	0.0023 (J)	<0.01			
2/27/2020							0.0032 (J)	0.001 (J)	
3/20/2020	0.039								
3/23/2020		0.013			0.0037 (J)	<0.01			
3/24/2020				<0.01			0.0031 (J)	0.001 (J)	
3/25/2020			<0.01						0.022
9/24/2020	0.04	0.011							
9/25/2020			0.00081 (J)		0.0027 (J)		0.003 (J)		0.024

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D
9/28/2020				<0.01		<0.01		0.00078 (J)	
2/19/2021	0.046	0.011	<0.01					0.0009 (J)	
2/22/2021						<0.01			0.035
2/23/2021				<0.01			0.0032 (J)		
3/8/2021					0.0031 (J)				
3/25/2021					0.0017 (J)				
3/26/2021		0.011 (J)	<0.01	<0.01					0.036
3/29/2021	0.045					<0.01			
3/30/2021							0.0037 (J)	0.0011 (J)	
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			0.04
8/23/2021	0.041	0.0098 (J)	<0.01						
8/24/2021								0.00098 (J)	
8/25/2021							0.0038 (J)		
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	0.0038 (J)	0.00094 (J)	
2/17/2022									0.039
7/27/2022				<0.01					
7/28/2022						<0.01		0.0011 (J)	0.036
7/29/2022							0.0036 (J)		
8/1/2022		0.0071 (J)			0.0047 (J)				
8/2/2022	0.04		0.0027 (J)						
10/21/2022			<0.01						
1/27/2023				<0.01		<0.01			
1/30/2023								0.0011 (J)	0.035
1/31/2023							0.0039 (J)		
2/1/2023			<0.01		0.0058 (J)				
2/2/2023		0.0078 (J)							
2/7/2023	0.032								
8/17/2023				<0.01					
8/18/2023						<0.01	0.0041 (J)	0.0011 (J)	
8/21/2023					0.0048 (J)				
8/22/2023	0.036								
8/23/2023		0.006 (J)							
8/24/2023									0.034
8/25/2023			<0.01						
1/30/2024			<0.01						
2/2/2024						<0.01			
2/5/2024				<0.01				0.001 (J)	
2/6/2024					0.0049 (J)				
2/7/2024									0.037
2/8/2024	0.033	0.0056 (J)					0.0043 (J)		
8/19/2024						<0.01			
8/20/2024				<0.01				0.0011 (J)	
8/21/2024	0.029		<0.01				0.0045 (J)		
8/22/2024		0.0063 (J)			0.0038 (J)				0.033
2/6/2025						<0.01		<0.01	
2/10/2025				<0.01	0.0028 (J)				

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D
2/11/2025		0.0055 (J)	<0.01						0.028
2/12/2025							0.0042 (J)		
2/13/2025	0.04								
Mean	0.04936	0.01083	0.006755	0.007906	0.008955	0.009396	0.003735	0.001581	0.03241
Std. Dev.	0.01412	0.002701	0.003921	0.003396	0.006793	0.002417	0.0005338	0.001364	0.0051
Upper Lim.	0.05384	0.0123	0.01	0.01	0.01044	0.01	0.00407	0.0021	0.03561
Lower Lim.	0.04194	0.01036	0.0026	0.0039	0.004908	0.00033	0.003401	0.00094	0.02922

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
10/17/2018	0.017								
1/14/2019	0.013								
4/2/2019	0.011								
5/2/2019			0.11						
5/3/2019		0.04							
9/27/2019	0.013								
2/25/2020		0.012							
2/26/2020	0.0032 (J)								
2/27/2020			0.11	0.0039 (J)					
2/28/2020					0.0014 (J)				
3/23/2020	0.0058 (J)								
3/24/2020		0.01	0.12	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			0.1			0.015			
9/3/2020							0.018	0.11	0.0055 (J)
9/25/2020		0.0088 (J)							
9/28/2020	0.0084 (J)								
9/29/2020				0.01	0.00069 (J)				
2/18/2021									0.0062 (J)
2/22/2021		0.012		0.0076 (J)	<0.01	0.013	0.0052 (J)		
3/8/2021	0.0083 (J)							0.2	
3/9/2021			0.13						
3/25/2021	0.013								
3/26/2021		0.017							
3/29/2021			0.13					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)
8/19/2021			0.076						
8/20/2021		0.016					0.013		
8/23/2021	0.014							0.21	
8/24/2021				0.0076 (J)	<0.01	0.011			
11/1/2021			0.081						
2/9/2022									0.0011 (J)
2/14/2022	0.012		0.097						
2/15/2022						0.0087 (J)		0.15	
2/16/2022				0.0052 (J)	<0.01				
2/17/2022		0.016					0.0055 (J)		
7/26/2022									0.012
7/28/2022		0.0082 (J)			<0.01		0.0092 (J)		
7/29/2022	0.0095 (J)					0.008 (J)			
8/1/2022								0.16	
8/2/2022			0.093	0.0062 (J)					
1/25/2023									0.011
1/30/2023		0.014					0.0033 (J)		
1/31/2023					<0.01				
2/1/2023	0.0083 (J)					0.0092 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
2/2/2023				0.0035 (J)					
2/7/2023			0.02					0.13	
8/15/2023									0.0026 (J)
8/18/2023					<0.01				
8/21/2023	0.01		0.04						
8/23/2023				0.0026 (J)		0.0092 (J)		0.18	
8/24/2023		0.019					0.013		
1/30/2024	0.012							0.12	
1/31/2024									0.0014 (J)
2/6/2024			0.09						
2/7/2024		0.016			<0.01	0.0079 (J)	0.013		
2/8/2024				0.0036 (J)					
8/15/2024									0.0012 (J)
8/20/2024	0.0087 (J)				<0.01		0.012		
8/21/2024						0.0075 (J)		0.12	
8/22/2024		0.018	0.097	0.0038 (J)					
2/5/2025	0.011								<0.01
2/10/2025					<0.01				
2/11/2025		0.02	0.098				0.01	0.14	
2/12/2025						0.007 (J)			
2/18/2025				0.0035 (J)					
Mean	0.01048	0.01621	0.0928	0.0051	0.007945	0.009375	0.01147	0.1621	0.005617
Std. Dev.	0.003281	0.007796	0.03015	0.002272	0.003907	0.002746	0.005727	0.04003	0.004141
Upper Lim.	0.01254	0.02037	0.1132	0.006789	0.01	0.01153	0.01573	0.1905	0.007271
Lower Lim.	0.008427	0.0112	0.07237	0.003411	0.0012	0.00722	0.007211	0.1338	0.001646

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
1/28/2021			<0.01	0.0038 (J)
2/23/2021			<0.01	0.0039 (J)
3/30/2021			0.0027 (J)	0.0035 (J)
4/19/2021	0.0067 (J)	0.0043 (J)		
8/18/2021		0.0021 (J)		
8/23/2021			<0.01	0.0038 (J)
8/24/2021	0.0049 (J)			
2/9/2022		0.0032 (J)		
2/14/2022			<0.01	0.0041 (J)
2/17/2022	0.0056 (J)			
7/26/2022		0.0029 (J)		
7/28/2022				0.0053 (J)
8/1/2022	0.0066 (J)		<0.01	
1/25/2023		0.0067 (J)		
1/31/2023			<0.01	0.0087 (J)
2/1/2023	0.0072 (J)			
8/15/2023		0.0041 (J)		
8/21/2023			<0.01	
8/22/2023	0.0048 (J)			0.0039 (J)
1/31/2024		0.0041 (J)		
2/5/2024			<0.01	0.004 (J)
2/6/2024	0.0056 (J)			
8/16/2024		0.0018 (J)		
8/20/2024			<0.01	0.0058 (J)
8/21/2024	0.0044 (J)			
2/5/2025		0.0038 (J)		
2/6/2025			<0.01	
2/7/2025				0.0028 (J)
2/10/2025	0.0047 (J)			
Mean	0.005611	0.003667	0.009336	0.004509
Std. Dev.	0.001009	0.001447	0.002201	0.001611
Upper Lim.	0.006586	0.005063	0.01	0.005539
Lower Lim.	0.004637	0.00227	0.01	0.003347

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
6/6/2016		0.00031 (J)	<0.005						
6/7/2016	4.8E-05 (J)			<0.005		<0.005	0.0004 (J)		
6/8/2016								<0.005	0.00043 (J)
8/10/2016	<0.005		<0.005						
8/11/2016		0.001 (J)				<0.005	<0.005		
8/12/2016				<0.005				<0.005	<0.005
10/4/2016	<0.005		<0.005						
10/5/2016		0.0017 (J)							
10/6/2016				<0.005					
10/7/2016						<0.005	<0.005	<0.005	<0.005
12/1/2016			<0.005						
12/2/2016	<0.005								
12/5/2016		<0.005		<0.005					
12/6/2016						<0.005	<0.005	<0.005	
12/7/2016									<0.005
2/14/2017	<0.005		<0.005						
2/15/2017		<0.005		<0.005					
2/16/2017						0.0012 (J)	<0.005	<0.005	<0.005
4/13/2017			<0.005						
4/14/2017	<0.005								
4/17/2017		<0.005							
4/18/2017				<0.005		<0.005			
4/19/2017							<0.005	<0.005	<0.005
5/25/2017			<0.005						
5/26/2017	<0.005	0.0014 (J)							
5/30/2017						<0.005	<0.005		
6/1/2017								<0.005	<0.005
6/2/2017				<0.005					
7/7/2017			<0.005						
7/10/2017	<0.005								
7/11/2017		<0.005							
7/13/2017				<0.005					
7/14/2017						<0.005	<0.005	<0.005	<0.005
3/26/2018	<0.005								
3/27/2018		<0.005				<0.005	<0.005	<0.005	<0.005
3/28/2018				<0.005					
2/25/2019	<0.005					<0.005			
2/27/2019							<0.005	<0.005	
2/28/2019				<0.005					
3/1/2019									<0.005
4/1/2019	0.00015 (J)	0.0004 (J)		0.0004 (J)					
4/2/2019			0.00031 (J)			0.0006 (J)	0.00077 (J)	0.001 (J)	
4/3/2019									0.00058 (J)
9/23/2019			<0.005						
9/24/2019	<0.005	<0.005							
9/25/2019				<0.005					
9/26/2019						<0.005	<0.005	<0.005	<0.005
2/18/2020			<0.005						
2/19/2020	<0.005								
2/20/2020		<0.005				0.0026 (J)			
2/24/2020				<0.005			0.0013 (J)	<0.005	0.0013 (J)
3/18/2020	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
3/19/2020		0.0015 (J)	<0.005	<0.005		0.0019 (J)	0.0022 (J)		
3/20/2020								<0.005	<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		<0.005						
9/24/2020		<0.005				0.003 (J)	<0.005	<0.005	
9/25/2020				<0.005					
9/28/2020									<0.005
10/1/2020					<0.005				
11/10/2020					<0.005				
12/15/2020					<0.005				
1/20/2021					<0.005				
2/16/2021	<0.005								
2/17/2021		<0.005							
2/18/2021			<0.005		<0.005	0.0017 (J)	<0.005	<0.005	<0.005
2/19/2021				<0.005					
3/24/2021	<0.005	<0.005		<0.005	<0.005	0.0017 (J)	<0.005	<0.005	
3/26/2021									<0.005
3/31/2021			0.0032 (J)						
8/16/2021			<0.005						
8/18/2021	<0.005	0.0014 (J)		<0.005	<0.005	<0.005			
8/19/2021							<0.005	<0.005	
8/20/2021									<0.005
2/9/2022			<0.005		<0.005				
2/10/2022	<0.005	<0.005							
2/11/2022				<0.005		<0.005	<0.005		
2/16/2022								<0.005	<0.005
7/26/2022	<0.005	0.0015 (J)	<0.005		<0.005				
7/27/2022				<0.005		0.0018 (J)	<0.005	<0.005	<0.005
1/25/2023			<0.005						
1/26/2023	<0.005	0.0015 (J)		<0.005	<0.005	0.0024 (J)	<0.005	0.0022 (J)	
1/27/2023									<0.005
8/15/2023			<0.005						
8/16/2023	<0.005			<0.005	<0.005				
8/17/2023		0.0015 (J)				0.0015 (J)	<0.005	<0.005	
8/18/2023									<0.005
1/31/2024			<0.005						
2/1/2024	<0.005	0.0011 (J)		<0.005	<0.005	0.0034 (J)	<0.005		
2/2/2024								0.0024 (J)	0.0013 (J)
8/15/2024			<0.005						
8/16/2024	<0.005				<0.005				
8/19/2024		0.0012 (J)		<0.005		0.0013 (J)	<0.005	0.0013 (J)	<0.005
2/4/2025			<0.005						
2/5/2025	<0.005	0.0016 (J)		<0.005	<0.005				
2/6/2025						0.0036 (J)			
2/7/2025							<0.005	<0.005	<0.005
Mean	0.004608	0.002963	0.004718	0.004816	0.0048	0.003468	0.004387	0.004476	0.004344
Std. Dev.	0.001357	0.00194	0.001031	0.00092	0.0008485	0.00163	0.00146	0.001249	0.001542
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00015	0.0014	0.0032	0.0004	0.0014	0.0018	0.0022	0.0024	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016	<0.005	<0.005	<0.005						
6/9/2016				<0.005	0.00099 (J)				
8/12/2016	<0.005								
8/18/2016		<0.005	<0.005	<0.005	0.0023 (J)				
10/10/2016	<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)				
12/7/2016	0.0037 (J)			0.0176	0.0302				
12/8/2016		<0.005	0.012						
1/23/2017						0.015			
2/7/2017						0.0114			
2/17/2017	<0.005	<0.005	<0.005						
2/20/2017				<0.005	0.0044 (J)				
3/27/2017						0.0092 (J)			
4/17/2017						0.0082 (J)			
4/19/2017	<0.005	<0.005		<0.005	0.0046 (J)				
4/20/2017			<0.005						
5/22/2017						0.0094 (J)			
6/1/2017	<0.005	<0.005							
6/5/2017			0.0018 (J)	<0.005	0.0033 (J)	0.0118			
7/11/2017						0.012			
7/17/2017				<0.005	0.0052 (J)				
7/18/2017	<0.005	<0.005							
7/19/2017			<0.005						
8/23/2017						0.0097 (J)			
3/26/2018						<0.005			
3/28/2018	<0.005	<0.005							
3/29/2018			<0.005	<0.005	<0.005				
2/27/2019	<0.005								
3/1/2019			<0.005	<0.005	<0.005	0.01 (J)			
4/2/2019						0.0092 (J)			
4/3/2019	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)				
4/4/2019							8E-05 (J)		0.0001 (J)
4/5/2019								0.00015 (J)	
9/24/2019							<0.005		<0.005
9/26/2019	<0.005							<0.005	
9/27/2019			<0.005	<0.005		0.0033 (J)			
9/30/2019		<0.005			0.0065 (J)				
2/24/2020	<0.005								
2/25/2020			<0.005	0.002 (J)					
2/26/2020		<0.005			0.0077 (J)	<0.005	<0.005		
2/27/2020								<0.005	<0.005
3/20/2020		<0.005	<0.005						
3/23/2020	<0.005			<0.005		0.0041 (J)	<0.005		
3/24/2020								<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	0.0035 (J)		<0.005	
9/28/2020	<0.005						<0.005		<0.005
2/18/2021	<0.005								
2/19/2021		<0.005	<0.005	<0.005	0.0065				<0.005
2/22/2021							<0.005		
2/23/2021								<0.005	
3/8/2021						0.0048 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/25/2021						0.0021 (J)			
3/26/2021				<0.005	<0.005				
3/29/2021	<0.005	<0.005	<0.005				<0.005		
3/30/2021								<0.005	<0.005
8/19/2021						0.0052			
8/20/2021	<0.005	<0.005					<0.005		
8/23/2021			<0.005	<0.005	0.0045 (J)				
8/24/2021									<0.005
8/25/2021								<0.005	
2/14/2022				<0.005		0.0084			
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								
7/28/2022		<0.005					<0.005		<0.005
7/29/2022								<0.005	
8/1/2022				<0.005		0.0074			
8/2/2022			<0.005		0.0027 (J)				
10/21/2022					0.0045 (J)				
1/27/2023		<0.005					<0.005		
1/30/2023	<0.005								<0.005
1/31/2023								<0.005	
2/1/2023					0.006	0.01			
2/2/2023				0.0019 (J)					
2/7/2023			0.0016 (J)						
8/18/2023	<0.005						<0.005	<0.005	<0.005
8/21/2023						0.0065			
8/22/2023			0.0017 (J)						
8/23/2023		<0.005		<0.005					
8/25/2023					0.0049 (J)				
1/30/2024					0.0054				
2/2/2024							<0.005		
2/5/2024	<0.005	<0.005							<0.005
2/6/2024						0.0093			
2/8/2024			0.0012 (J)	<0.005				<0.005	
8/19/2024							<0.005		
8/20/2024	<0.005								<0.005
8/21/2024			<0.005		0.004 (J)			<0.005	
8/22/2024		<0.005		<0.005		0.0032 (J)			
2/6/2025	0.002 (J)						<0.005		<0.005
2/10/2025		<0.005				0.0024 (J)			
2/11/2025				0.0015 (J)	0.007				
2/12/2025								<0.005	
2/13/2025			0.002 (J)						
Mean	0.004828	0.00463	0.004516	0.00512	0.0057	0.007244	0.004672	0.004677	0.004673
Std. Dev.	0.0006439	0.00126	0.002092	0.002808	0.005375	0.003664	0.00127	0.001252	0.001265
Upper Lim.	0.005	0.005	0.005	0.005	0.006209	0.00907	0.005	0.005	0.005
Lower Lim.	0.0037	0.001	0.0026	0.002	0.0034	0.005418	8E-05	0.00015	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-49D
4/2/2019		0.014							
4/4/2019	<0.005								
9/26/2019	<0.005								
9/27/2019		0.0071 (J)							
2/25/2020	<0.005								
2/26/2020		0.0029 (J)							
2/27/2020			<0.005	<0.005					
2/28/2020					0.0018 (J)				
3/23/2020		0.0033 (J)							
3/24/2020			<0.005	<0.005					
3/25/2020	<0.005				0.0039 (J)				
9/2/2020			0.003 (J)			0.0016 (J)			
9/3/2020							0.0022 (J)	0.0028 (J)	
9/25/2020	<0.005								
9/28/2020		0.0076 (J)							
9/29/2020				0.002 (J)	0.005 (J)				
2/22/2021	<0.005			<0.005	0.0094	<0.005	<0.005		
3/8/2021		0.011						<0.005	
3/9/2021			0.005						
3/25/2021		0.012							
3/26/2021	<0.005								
3/29/2021			<0.005					<0.005	
3/30/2021					0.0098				
3/31/2021				0.002 (J)		0.0016 (J)			
4/1/2021							0.0027 (J)		
4/19/2021									<0.005
8/19/2021			<0.005						
8/20/2021	<0.005						<0.005		
8/23/2021		0.0086						<0.005	
8/24/2021				<0.005	0.0096	<0.005			<0.005
2/14/2022		0.011	<0.005						
2/15/2022						<0.005		<0.005	
2/16/2022				<0.005	0.0084				
2/17/2022	<0.005						<0.005		<0.005
7/28/2022	<0.005				0.007		<0.005		
7/29/2022		0.011				<0.005			
8/1/2022								<0.005	<0.005
8/2/2022			<0.005	<0.005					
1/30/2023	<0.005						<0.005		
1/31/2023					0.0097				
2/1/2023		0.0098				0.0016 (J)			<0.005
2/2/2023				<0.005					
2/7/2023			<0.005					<0.005	
8/18/2023					0.0082				
8/21/2023		0.014	0.0019 (J)						
8/22/2023									<0.005
8/23/2023				<0.005		<0.005		<0.005	
8/24/2023	<0.005						<0.005		
1/30/2024		0.013						0.0055	
2/6/2024			0.0039 (J)						<0.005
2/7/2024	<0.005				0.0091	<0.005	<0.005		
2/8/2024				<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-49D
8/20/2024		0.012			0.0066		<0.005		
8/21/2024						<0.005		0.001 (J)	<0.005
8/22/2024	<0.005		0.0044 (J)	<0.005					
2/5/2025		0.016							
2/10/2025					0.0067				0.0015 (J)
2/11/2025	0.0034 (J)		0.0045 (J)				<0.005	0.0019 (J)	
2/12/2025						0.0016 (J)			
2/18/2025				<0.005					
Mean	0.004893	0.01022	0.004438	0.004538	0.007323	0.003764	0.004536	0.0042	0.004611
Std. Dev.	0.0004131	0.003768	0.0009717	0.001127	0.0025	0.001715	0.001038	0.001538	0.001167
Upper Lim.	0.005	0.01277	0.005	0.005	0.009182	0.005	0.005	0.005	0.005
Lower Lim.	0.0034	0.007667	0.003	0.002	0.005464	0.0016	0.0027	0.0019	0.0015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52
1/28/2021	0.014	<0.005
2/23/2021	0.013	0.0016 (J)
3/30/2021	0.01 (J)	<0.005
8/23/2021	0.013	<0.005
2/14/2022	0.0042 (J)	0.0018 (J)
7/28/2022		<0.005
8/1/2022	0.0036 (J)	
1/31/2023	0.0058	<0.005
8/21/2023	0.0097	
8/22/2023		0.0039 (J)
2/5/2024	0.004 (J)	0.0014 (J)
8/20/2024	0.0049 (J)	0.0022 (J)
2/6/2025	0.0056	
2/7/2025		0.0043 (J)
Mean	0.007982	0.003655
Std. Dev.	0.004036	0.001562
Upper Lim.	0.01135	0.005
Lower Lim.	0.004619	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-9	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
6/6/2016		<0.001	<0.001						
6/7/2016				<0.001		0.0002 (J)	8.5E-05 (J)		
6/8/2016	<0.001							<0.001	8.5E-05 (J)
8/10/2016			7E-05 (J)						
8/11/2016	<0.001	<0.001				0.0002 (J)	8E-05 (J)		
8/12/2016				9E-05 (J)				6E-05 (J)	8E-05 (J)
10/4/2016			<0.001						
10/5/2016		<0.001							
10/6/2016	<0.001			<0.001					
10/7/2016						0.0002 (J)	<0.001	<0.001	<0.001
12/1/2016			<0.001						
12/5/2016		<0.001		<0.001					
12/6/2016	<0.001					0.0003 (J)	<0.001	<0.001	
12/7/2016									<0.001
2/14/2017			<0.001						
2/15/2017	<0.001	<0.001		<0.001					
2/16/2017						0.0003 (J)	<0.001	<0.001	<0.001
4/13/2017			0.0001 (J)						
4/17/2017		<0.001							
4/18/2017	<0.001			9E-05 (J)		0.0002 (J)			
4/19/2017							8E-05 (J)	<0.001	6E-05 (J)
5/25/2017			6E-05 (J)						
5/26/2017		<0.001							
5/30/2017						0.0002 (J)	9E-05 (J)		
6/1/2017								<0.001	8E-05 (J)
6/2/2017	<0.001			<0.001					
7/7/2017			7E-05 (J)						
7/11/2017		<0.001							
7/13/2017				8E-05 (J)					
7/14/2017	<0.001					0.0002 (J)	9E-05 (J)	<0.001	8E-05 (J)
3/27/2018	<0.001	<0.001				0.00019 (J)	<0.001	<0.001	<0.001
3/28/2018				<0.001					
6/12/2018		<0.001				0.0002 (J)			
6/13/2018	<0.001								
6/14/2018				<0.001			<0.001	<0.001	
6/15/2018									<0.001
10/16/2018			<0.001						
10/17/2018		<0.001		<0.001			<0.001		
10/18/2018	<0.001					0.0002 (J)		<0.001	
10/19/2018									<0.001
2/25/2019						0.00023 (J)			
2/27/2019							<0.001	<0.001	
2/28/2019	<0.001			<0.001					
3/1/2019									<0.001
4/1/2019		6.5E-05 (J)		<0.001					
4/2/2019	7E-05 (J)		6.2E-05 (J)			0.0002 (J)	7.5E-05 (J)	<0.001	
4/3/2019									<0.001
9/23/2019			6E-05 (J)						
9/24/2019	8.7E-05 (J)	<0.001							
9/25/2019				6E-05 (J)					
9/26/2019						0.00023 (J)	0.00026 (J)	7.1E-05 (J)	8E-05 (J)
2/18/2020			5.3E-05 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-9	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
2/20/2020		0.00022 (J)				0.00028 (J)			
2/21/2020	9.6E-05 (J)								
2/24/2020				<0.001			5.9E-05 (J)	6.8E-05 (J)	<0.001
3/19/2020	0.00011 (J)	0.00018 (J)	6.1E-05 (J)	6.2E-05 (J)		0.00022 (J)	6.1E-05 (J)		
3/20/2020								<0.001	<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		<0.001				0.00024 (J)	0.00018 (J)	<0.001	
9/25/2020	<0.001			<0.001					
9/28/2020									<0.001
10/1/2020					0.0005 (J)				
11/10/2020					0.00044 (J)				
12/15/2020					0.00044 (J)				
1/20/2021					0.00031 (J)				
2/17/2021		<0.001							
2/18/2021	<0.001		<0.001		0.00077 (J)	0.00023 (J)	<0.001	<0.001	<0.001
2/19/2021				<0.001					
3/24/2021		<0.001		<0.001	0.00023 (J)	0.00019 (J)	<0.001	<0.001	
3/26/2021									<0.001
3/30/2021	0.00015 (J)								
3/31/2021			0.00017 (J)						
8/16/2021			<0.001						
8/18/2021		<0.001		<0.001	0.00039 (J)	0.00023 (J)			
8/19/2021	0.00023 (J)						<0.001	<0.001	
8/20/2021									<0.001
2/9/2022			<0.001		0.00024 (J)				
2/10/2022		<0.001							
2/11/2022	0.0003 (J)			<0.001		0.00024 (J)	<0.001		
2/16/2022								<0.001	0.00021 (J)
7/26/2022		<0.001	<0.001		0.00047 (J)				
7/27/2022				<0.001		0.00025 (J)	<0.001	<0.001	<0.001
7/28/2022	0.00029 (J)								
1/25/2023			0.00022 (J)						
1/26/2023	0.00019 (J)	0.00018 (J)		<0.001	0.00048 (J)	0.00023 (J)	<0.001	0.00019 (J)	
1/27/2023									<0.001
8/15/2023			<0.001						
8/16/2023				<0.001	0.00059 (J)				
8/17/2023	0.00074 (J)	0.0002 (J)				0.00025 (J)	<0.001	<0.001	
8/18/2023									<0.001
1/31/2024			<0.001						
2/1/2024		<0.001		<0.001	0.0006 (J)	<0.001	<0.001		
2/2/2024	<0.001							<0.001	<0.001
8/15/2024			<0.001						
8/16/2024	<0.001				0.00064 (J)				
8/19/2024		<0.001		<0.001		<0.001	<0.001	<0.001	<0.001
2/4/2025			<0.001						
2/5/2025		<0.001		<0.001	0.00066 (J)				
2/6/2025	0.00016 (J)					0.00027 (J)			
2/7/2025							<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-9	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
Mean	0.0006823	0.0008402	0.0006219	0.000829	0.0004244	0.0002474	0.0006689	0.0008663	0.0007657
Std. Dev.	0.0004077	0.0003349	0.0004583	0.0003656	0.0001845	7.94E-05	0.0004415	0.0003275	0.0004042
Upper Lim.	0.001	0.001	0.001	0.001	0.000536	0.00025	0.001	0.001	0.001
Lower Lim.	0.00019	0.00022	7E-05	9E-05	0.0003128	0.0002	9E-05	0.00019	0.00021

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D
6/8/2016	<0.001	0.00035 (J)							
6/9/2016			0.0001 (J)	0.00022 (J)					
8/12/2016	<0.001								
8/18/2016		0.0005 (J)	<0.001	<0.001					
10/10/2016	<0.001	0.0006 (J)	<0.001	0.0003 (J)					
12/7/2016	<0.001		<0.001	<0.001					
12/8/2016		0.0005 (J)							
1/23/2017					0.0008 (J)				
2/7/2017					0.0008 (J)				
2/17/2017	<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	<0.001		<0.001	0.0004 (J)					
4/20/2017		0.0006 (J)							
5/22/2017					0.0008 (J)				
6/1/2017	<0.001								
6/5/2017		0.0006 (J)	<0.001	0.0004 (J)	0.0007 (J)				
7/11/2017					0.0007 (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)				
3/28/2018	<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					0.00056 (J)				
10/17/2018									0.00026 (J)
10/19/2018							<0.001		
10/22/2018	<0.001	0.00071 (J)	<0.001	0.00047 (J)	0.00034 (J)	0.00014 (J)		<0.001	
2/27/2019	<0.001								
3/1/2019		0.00074 (J)	<0.001	0.0007 (J)	0.00024 (J)				
4/2/2019					0.00024 (J)				0.00022 (J)
4/3/2019	<0.001	0.0007 (J)	<0.001	0.00064 (J)					
4/4/2019							<0.001	<0.001	
4/5/2019						0.00046 (J)			
9/24/2019							<0.001		
9/26/2019	<0.001					0.00017 (J)		<0.001	
9/27/2019		0.00088 (J)	0.00018 (J)		0.00014 (J)				0.00037 (J)
9/30/2019				0.00069 (J)					
2/24/2020	<0.001								
2/25/2020		0.00062 (J)	0.00015 (J)					<0.001	
2/26/2020				0.00073 (J)	8.5E-05 (J)				0.00013 (J)
2/27/2020						0.00013 (J)	8.9E-05 (J)		
3/20/2020		0.00063 (J)							
3/23/2020	0.0002 (J)		0.00016 (J)		9.1E-05 (J)				0.00011 (J)
3/24/2020						8.4E-05 (J)	<0.001		
3/25/2020				0.00066 (J)				6.8E-05 (J)	
9/24/2020		0.001	0.00038 (J)						
9/25/2020				0.00057 (J)	<0.001	0.00014 (J)		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D
9/28/2020	<0.001						<0.001		0.00019 (J)
2/18/2021	<0.001								
2/19/2021		0.00089 (J)	0.00039 (J)	0.0005 (J)			<0.001		
2/22/2021								0.00016 (J)	
2/23/2021						0.00015 (J)			
3/8/2021					<0.001				0.0002 (J)
3/25/2021					<0.001				0.00019 (J)
3/26/2021			0.00069 (J)	0.00057 (J)				<0.001	
3/29/2021	<0.001	0.0009 (J)							
3/30/2021						0.00016 (J)	<0.001		
8/19/2021					0.00022 (J)				
8/20/2021	0.00025 (J)							0.00026 (J)	
8/23/2021		0.00088 (J)	<0.001	0.00051 (J)					0.00024 (J)
8/24/2021							<0.001		
8/25/2021						<0.001			
2/14/2022			<0.001		<0.001				0.00022 (J)
2/15/2022		0.0011		0.00045 (J)					
2/16/2022	<0.001					<0.001	<0.001		
2/17/2022								<0.001	
7/27/2022	<0.001								
7/28/2022							<0.001	0.00022 (J)	
7/29/2022						<0.001			0.00018 (J)
8/1/2022			<0.001		<0.001				
8/2/2022		0.00098 (J)		<0.001					
10/21/2022				0.00032 (J)					
1/30/2023	<0.001						<0.001	<0.001	
1/31/2023						<0.001			
2/1/2023				0.00035 (J)	<0.001				<0.001
2/2/2023			0.00027 (J)						
2/7/2023		0.0008 (J)							
8/18/2023	<0.001					<0.001	<0.001		
8/21/2023					<0.001				<0.001
8/22/2023		0.0013							
8/23/2023			<0.001						
8/24/2023								<0.001	
8/25/2023				0.00028 (J)					
1/30/2024				<0.001					<0.001
2/5/2024	<0.001						<0.001		
2/6/2024					<0.001				
2/7/2024								<0.001	
2/8/2024		0.00083 (J)	<0.001			<0.001			
8/20/2024	<0.001						<0.001		<0.001
8/21/2024		0.00064 (J)		<0.001		<0.001			
8/22/2024			0.00057 (J)		<0.001			<0.001	
2/5/2025									0.0002 (J)
2/6/2025	0.00023 (J)						<0.001		
2/10/2025					<0.001				
2/11/2025			0.00038 (J)	0.0002 (J)				<0.001	
2/12/2025						<0.001			
2/13/2025		0.0011							
Mean	0.0009141	0.0007581	0.0007507	0.0005596	0.0006776	0.0005896	0.0009431	0.0007943	0.0004069
Std. Dev.	0.0002478	0.0002138	0.0003502	0.0002525	0.0003285	0.0004312	0.0002278	0.0003699	0.0003581

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D
Upper Lim.	0.001	0.0008602	0.001	0.0005187	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00025	0.0006561	0.00039	0.0003629	0.00034	0.00014	8.9E-05	0.00022	0.00018

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	PZ-7
2/25/2020	<0.001							
2/27/2020		0.0027	0.00017 (J)					
2/28/2020				<0.001				
3/24/2020	<0.001	5.6E-05 (J)	0.00013 (J)					
3/25/2020				0.00014 (J)				
9/2/2020		0.00042 (J)						
9/3/2020					0.0024			
9/25/2020	<0.001							
9/29/2020			0.00025 (J)	<0.001				
1/28/2021						0.0002 (J)	0.00045 (J)	
2/22/2021	<0.001		0.00021 (J)	<0.001				
2/23/2021						<0.001	0.00023 (J)	
3/8/2021					0.0015			
3/9/2021		<0.001						
3/26/2021	<0.001							
3/29/2021		0.00018 (J)			0.0016			
3/30/2021				<0.001		0.0004 (J)	0.00024 (J)	
3/31/2021			0.00017 (J)					
8/19/2021		<0.001						
8/20/2021	<0.001							
8/23/2021					0.0028	<0.001	0.00037 (J)	
8/24/2021			0.00027 (J)	<0.001				
2/14/2022		<0.001				<0.001	<0.001	
2/15/2022					0.0034			
2/16/2022			<0.001	<0.001				
2/17/2022	<0.001							
4/28/2022								<0.001
7/28/2022	<0.001			<0.001			<0.001	
8/1/2022					0.0028	<0.001		
8/2/2022		<0.001	<0.001					<0.001
1/30/2023	<0.001							
1/31/2023				<0.001		<0.001	0.0002 (J)	
2/2/2023			<0.001					<0.001
2/7/2023		<0.001			0.0011			
8/18/2023				<0.001				
8/21/2023		<0.001				<0.001		
8/22/2023							<0.001	
8/23/2023			<0.001		0.0021			
8/24/2023	0.00048 (J)							
1/30/2024					0.0055			
2/5/2024						<0.001	<0.001	
2/6/2024		<0.001						
2/7/2024	<0.001			<0.001				
2/8/2024			<0.001					
4/3/2024					0.0021			
8/20/2024				<0.001		<0.001	0.00039 (J)	
8/21/2024					0.0022			
8/22/2024	<0.001	0.00093 (J)	<0.001					0.00042 (J)
2/6/2025						<0.001		
2/7/2025							<0.001	0.0002 (J)
2/10/2025				<0.001				
2/11/2025	<0.001	0.0013			0.0024			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/3/2025 12:14 PM View: Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	PZ-7
2/18/2025			<0.001					
Mean	0.00096	0.0009682	0.0006308	0.0009338	0.002492	0.0008727	0.0006255	0.000724
Std. Dev.	0.0001442	0.0006372	0.0004165	0.0002385	0.001136	0.0002867	0.0003659	0.0003858
Upper Lim.	0.001	0.0013	0.001	0.001	0.003264	0.001	0.001	0.001
Lower Lim.	0.00048	0.00018	0.00017	0.00014	0.001653	0.0004	0.00023	0.0002

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - All/Significant Results

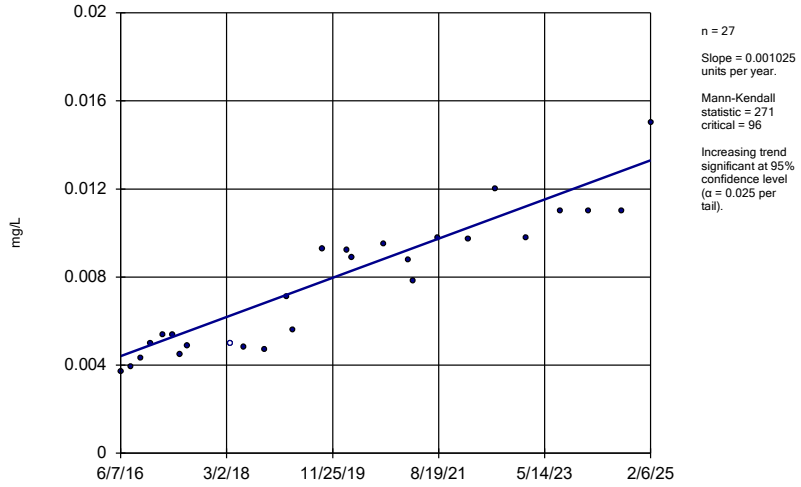
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.001025**	**271**	**96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.005429**	**179**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-16



n = 27

Slope = 0.001025 units per year.

Mann-Kendall statistic = 271 critical = 96

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

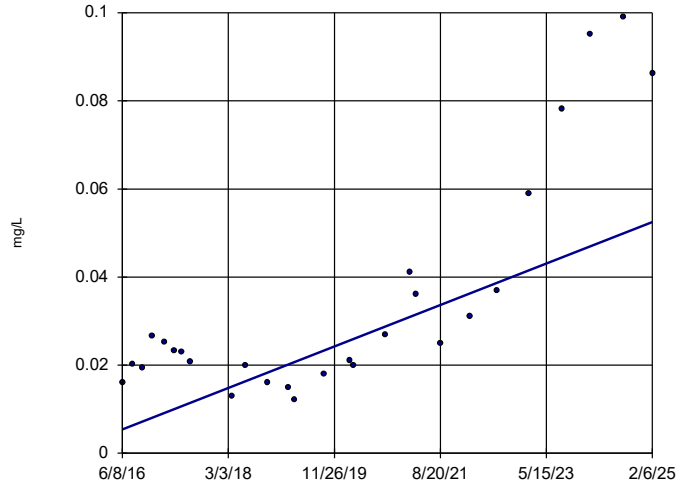
Constituent: Cobalt Analysis Run 6/3/2025 12:35 PM View: Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-20



n = 27

Slope = 0.005429 units per year.

Mann-Kendall statistic = 179 critical = 96

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/3/2025 12:35 PM View: Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - Truncated Record - All/Significant Results

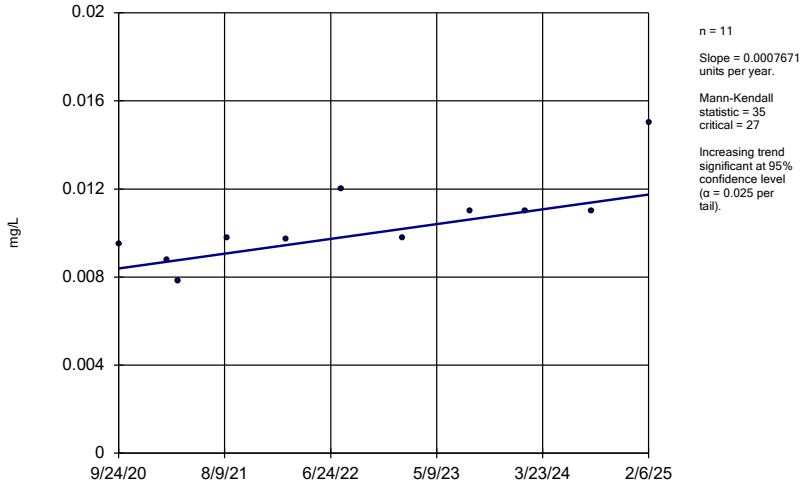
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.0007671**	**35**	**27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.01762**	**29**	**23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-16



n = 11

Slope = 0.0007671 units per year.

Mann-Kendall statistic = 35 critical = 27

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

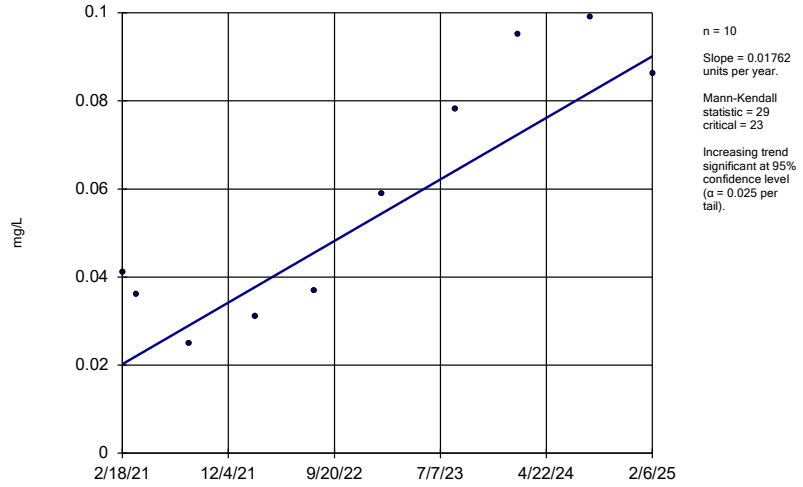
Constituent: Cobalt Analysis Run 6/3/2025 12:30 PM View: Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-20



n = 10

Slope = 0.01762 units per year.

Mann-Kendall statistic = 29 critical = 23

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/3/2025 12:30 PM View: Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE J.

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.001025**	**271**	**96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.003066**	**208**	**112**	**Yes**	**30**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

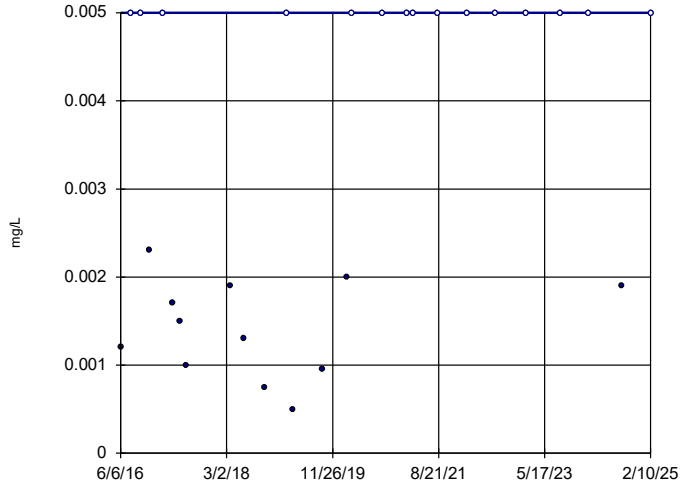
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	79	96	No	27	55.56	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	45	96	No	27	62.96	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	30	53	No	18	77.78	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0	0	53	No	18	38.89	n/a	0.05	NP
Arsenic (mg/L)	BGWC-34D	-0.0002946	-33	-53	No	18	0	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	26	101	No	28	89.29	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	15	53	No	18	94.44	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	21	53	No	18	88.89	n/a	0.05	NP
Cobalt (mg/L)	**BGWC-16**	**0.001025**	**271**	**96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.003066**	**208**	**112**	**Yes**	**30**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BGWA-2 (bg)	0	82	101	No	28	57.14	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	2	96	No	27	96.3	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	17	53	No	18	94.44	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.0001203	-4	-53	No	18	0	n/a	0.05	NP
Molybdenum (mg/L)	BGWC-43D	-0.006506	-17	-37	No	14	0	n/a	0.05	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 79
critical = 96

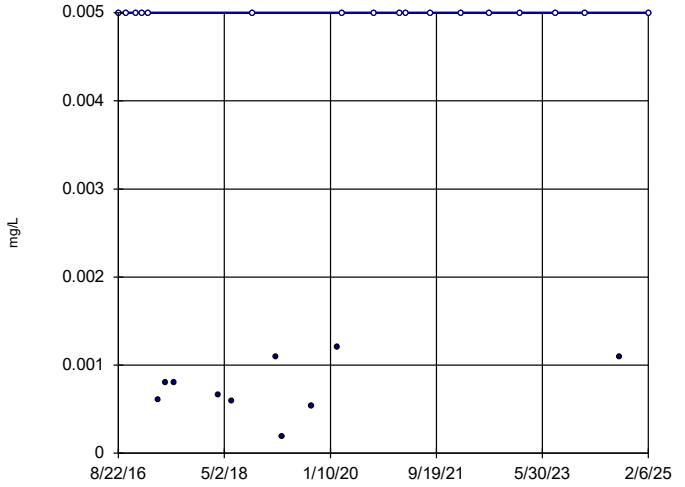
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 45
critical = 96

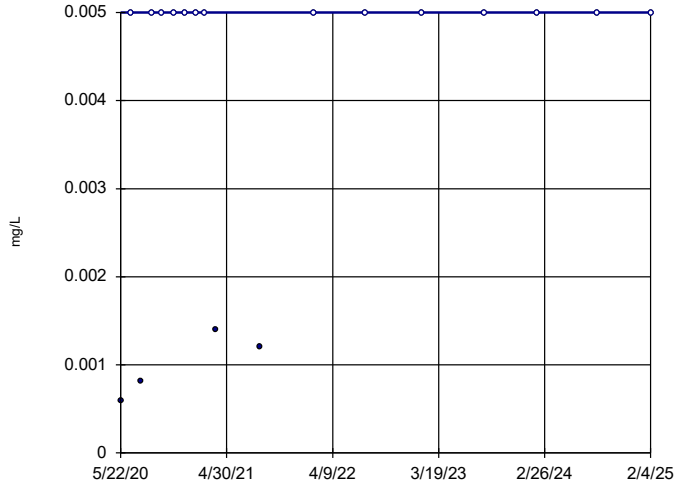
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 30
critical = 53

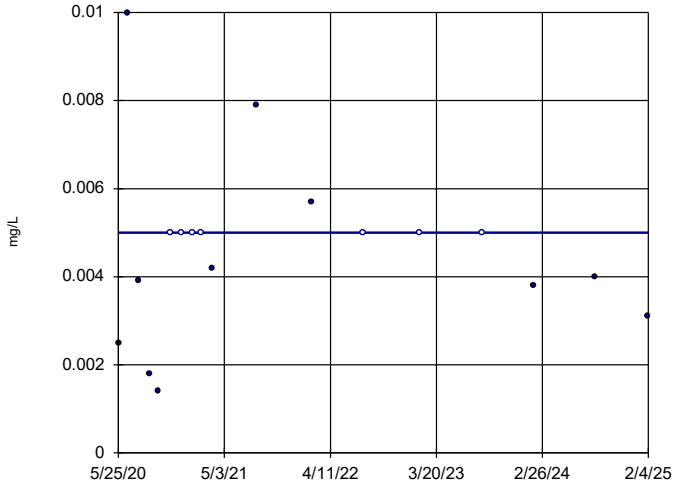
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 53

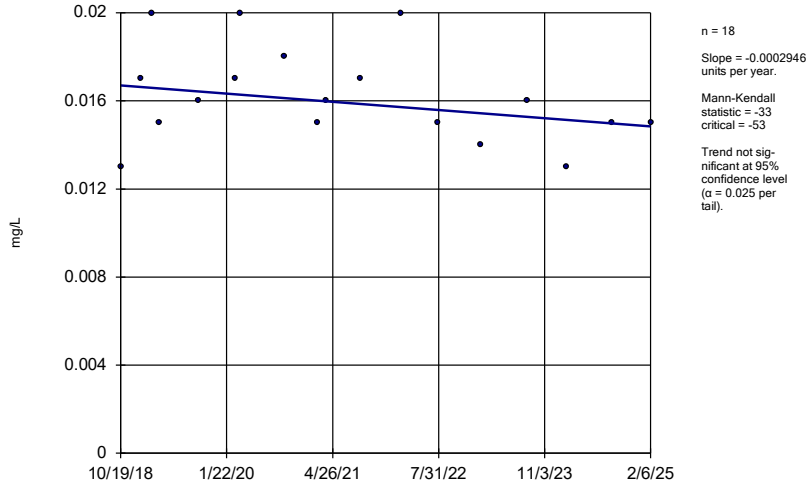
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-34D



n = 18

Slope = -0.0002946 units per year.

Mann-Kendall statistic = -33
critical = -53

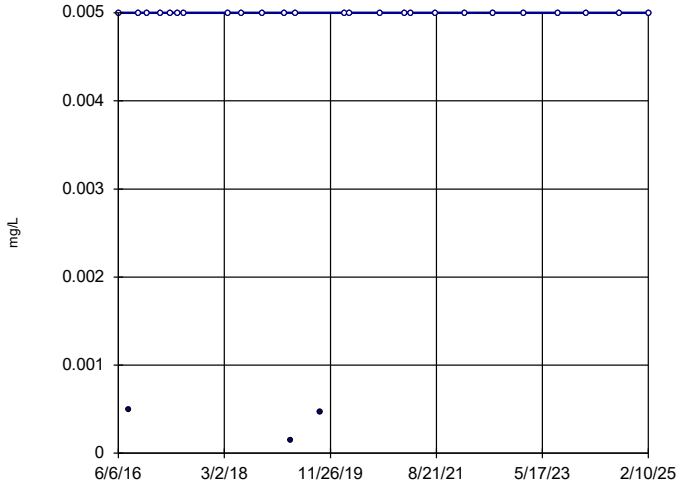
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 26
critical = 101

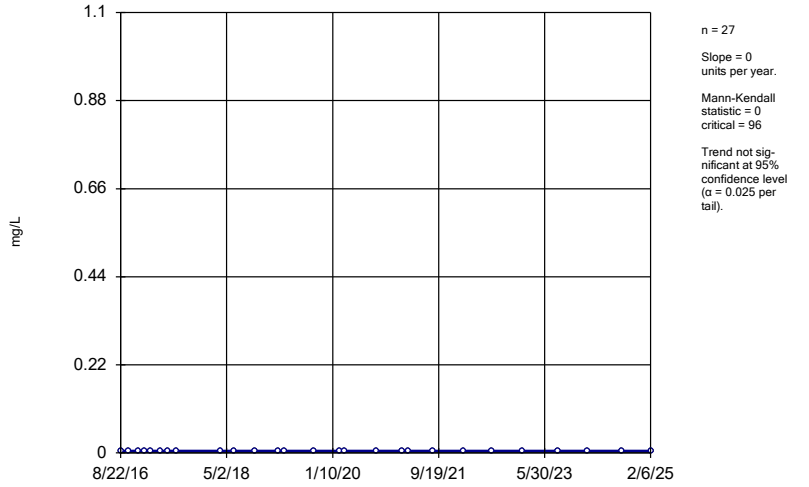
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 96

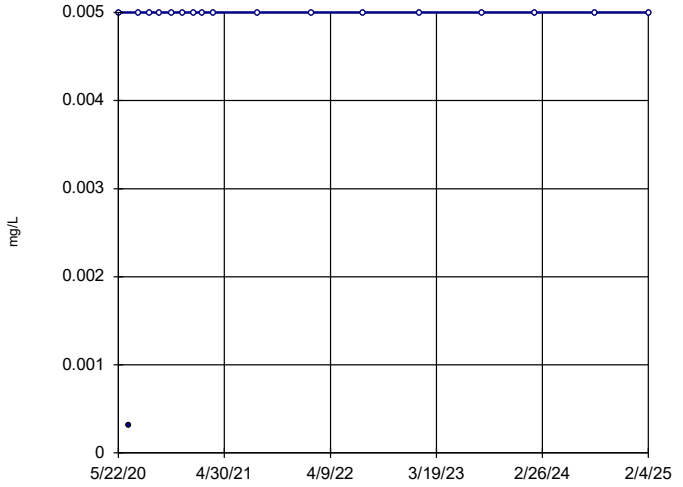
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 15
critical = 53

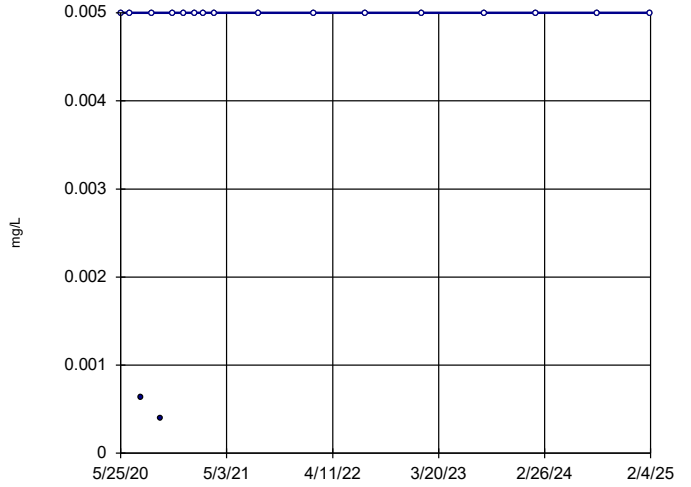
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 21
critical = 53

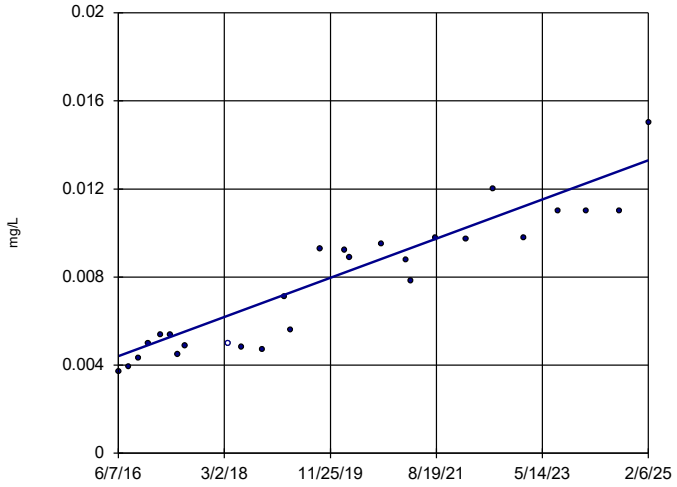
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-16



n = 27

Slope = 0.001025
units per year.

Mann-Kendall
statistic = 271
critical = 96

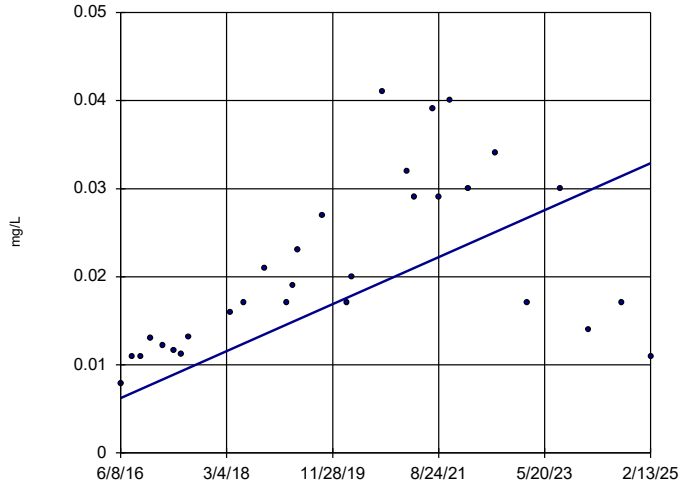
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-22



n = 30

Slope = 0.003066
units per year.

Mann-Kendall
statistic = 208
critical = 112

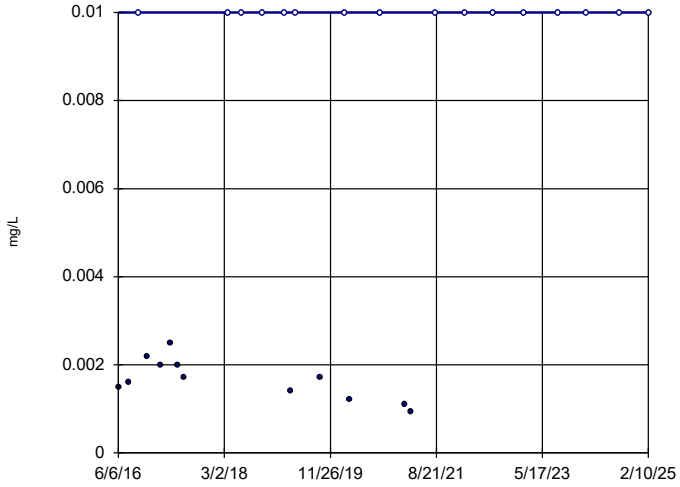
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0
units per year.

Mann-Kendall
statistic = 82
critical = 101

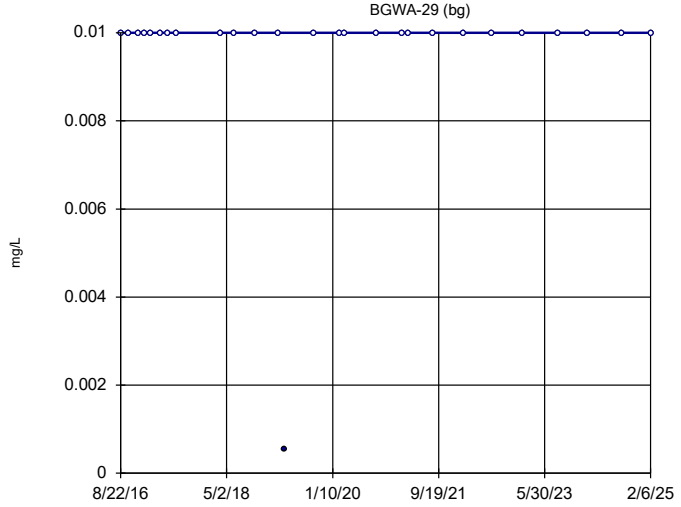
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Molybdenum Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 2
critical = 96

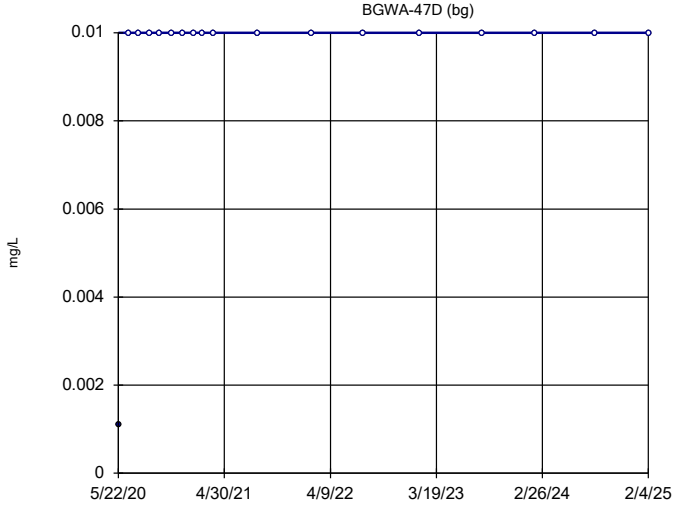
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Molybdenum Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 17
critical = 53

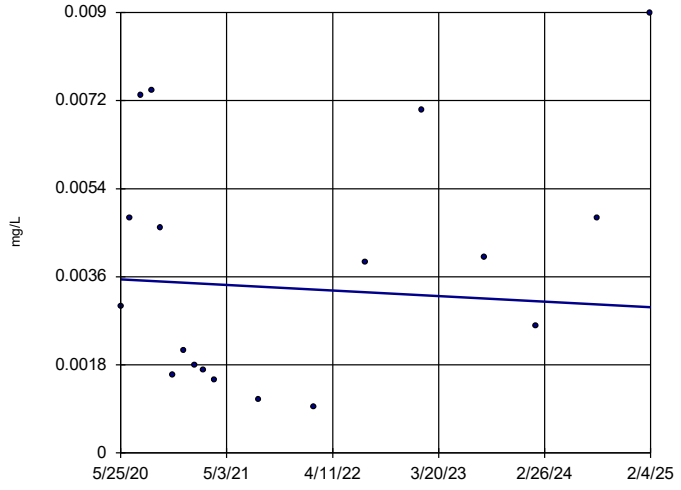
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Molybdenum Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = -0.0001203
units per year.

Mann-Kendall
statistic = -4
critical = -53

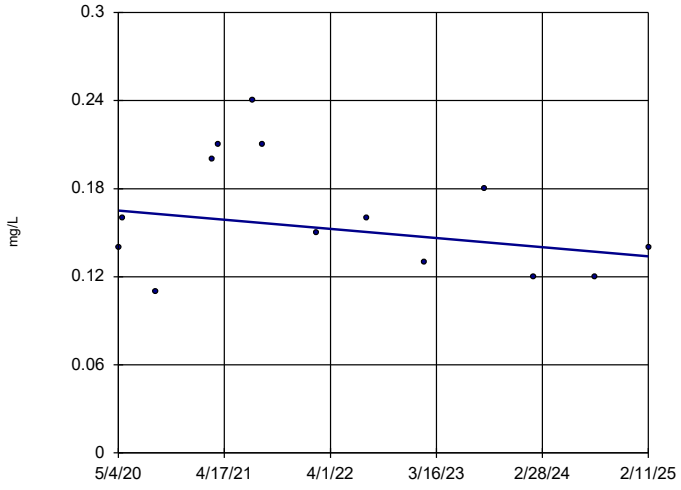
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Molybdenum Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-43D



n = 14

Slope = -0.006506
units per year.

Mann-Kendall
statistic = -17
critical = -37

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Molybdenum Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

GROUNDWATER STATS CONSULTING

January 30, 2026

Southern Company Services
Attn: Mr. Kevin Stephenson
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Bowen Ash Pond 1 (AP-1)
July/August 2025 Sample Event Analysis & Background Update

Dear Mr. Stephenson,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and statistical analysis of groundwater data for the Groundwater Detection and Assessment Monitoring Semi-Annual July/August 2025 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 for the majority of wells, and at least 8 background samples were collected at each of the groundwater monitoring wells. 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-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:** BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-38D, BGWC-40, BGWC-43D, BGWC-49D, BGWC-50D, BGWC-53D, and PZ-7

Note that upgradient well BGWA-33 and assessment wells BGWA-6, BGWC-37D, BGWC-39, BGWC-41D, BGWC-42D, and BGWC-44D were repurposed to piezometers following approval of the Groundwater Monitoring Plan Minor Modification on July 16, 2025. Therefore, these wells are not included in this analysis.

Sampling for assessment wells started at various dates ranging from October 2018 to December 2024 as listed below:

- October 2018 - BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, and BGWC-36D
- May 2019 - BGWC-38D
- December 2019 - BGWC-40
- May 2020 - BGWC-43D
- March 2021 – BGWC-49D and BGWC-50D
- April 2022 – PZ-7
- December 2024 – BGWC-53D

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, all assessment wells, except for BGWC-53D, have the required minimum samples and, therefore, are evaluated using confidence intervals. Data from all assessment wells are plotted on the time series graphs and box plots.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents listed below. The terms "constituent" and "parameter" are interchangeable.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient

and assessment well/constituent pairs with 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data which generally gives the most conservative limit in each case. In the case of cadmium, historic reporting limits were either higher than or equal to the MCL or CCR-Rule specified levels. Similarly, dilution factors during previous events for beryllium and selenium resulted in elevated reporting limits for some wells. Therefore, the most recent (and lower) reporting limits were substituted across all wells for these constituents.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the 2017 screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

The original background screening was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Interwell prediction limits, combined with a 1-of-2 resample plan, were recommended.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the

screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods – Appendix III and IV Parameters

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan, for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated

with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Update Conducted in 2025 – Appendix III & IV

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at upgradient wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. When the most recent value is identified as an outlier, values are often not flagged in the database at this time as the measurements may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected.

Tukey's outlier test identified values for antimony, arsenic, and fluoride. Any values identified by Tukey's, but not flagged in the database, appeared representative of remaining concentrations among pooled upgradient data or were an order of magnitude below the respective Maximum Containment Level (MCL). Previously flagged values were confirmed using the Tukey's outlier test to evaluate pooled upgradient well data (Figure C) and visual screening with time series plots. When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each upgradient well to identify statistically significant increasing or decreasing trends (Figure D). In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The following statistically significant trends were identified at upgradient wells:

Appendix III

Increasing

- Calcium: BGWA-2
- Sulfate: BGWA-2
- TDS: BGWA-2

Decreasing

- Chloride: BGWA-29 and BGWA-47D
- pH: BGWA-2 and BGWA-47D
- Sulfate: BGWA-29

Appendix IV

Increasing

- Chromium: BGWA-47D
- Lead: BGWA-47D and BGWA-48D

Decreasing

- Barium: BGWA-2, BGWA-29, BGWA-47D, and BGWA-48D
- Fluoride: BGWA-2

Although the results of the trend analyses showed statistically significant decreasing and increasing trends at individual upgradient wells for the Appendix III and IV parameters, the median slopes were relatively low compared to average pooled upgradient concentrations. Additionally, many of the well/constituent pairs with statistically significant trends did not require truncation because truncating earlier measurements within an individual upgradient well would have no bearing on resulting statistical limits that are constructed using pooled data from all upgradient wells. If the observed

decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may require truncation. In the cases of chromium, fluoride, and lead, the trends are a result of non-detects and estimated measurements reported below the practical quantitation limit.

Statistical Analysis of Appendix III Parameters – July/August 2025

Outlier Analysis

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. No additional Appendix III values were flagged as an outlier in the database for Appendix III parameters. Values in background which were previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through July/August 2025 (Figure E). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The July/August 2025 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. A summary table of the interwell prediction limits follows this letter. The following prediction limit exceedances were noted for Appendix III parameters:

- Boron: BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, and BGWC-52

- Calcium: BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, and BGWC-24
- Chloride: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, and BGWC-52
- pH (lower limit): BGWC-16 and BGWC-24
- Sulfate: BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, and BGWC-51
- TDS: BGWC-7, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30, and BGWC-51

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 F). 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-14A, BGWC-20, BGWC-22, BGWC-23, and BGWC-25
- Calcium: BGWA-2 (upgradient), BGWC-12, BGWC-14A, BGWC-16, BGWC-20, and BGWC-22
- Chloride: BGWC-10 and BGWC-25
- Sulfate: BGWA-2 (upgradient), BGWC-12, and BGWC-16
- TDS: BGWA-2 (upgradient), BGWC-12, BGWC-14A, BGWC-16, and BGWC-20

Decreasing

- Boron: BGWC-7, BGWC-9, BGWC-17, BGWC-18, BGWC-24, BGWC-30, BGWC-51, and BGWC-52
- Calcium: BGWC-24
-

- Chloride: BGWA-29, BGWA-47D (both upgradient), BGWC-12, BGWC-16, BGWC-19, BGWC-24, BGWC-30, BGWC-51, and BGWC-52
- pH: BGWA-2, BGWA-47D (both upgradient), BGWC-16, and BGWC-24
- Sulfate: BGWA-29 (upgradient), BGWC-7, BGWC-9, BGWC-10, BGWC-19, BGWC-24, and BGWC-51
- TDS: BGWC-7, BGWC-24, BGWC-30, and BGWC-51

Statistical Analysis of Appendix IV Parameters – July/August 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding GWPS. GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional measurements were flagged among upgradient wells and all previously flagged measurements were confirmed. No new outliers were flagged during this analysis.

Additionally, downgradient well data through July/August 2025 were screened through visual screening using time series graphs. Since the downgradient well data are used to construct confidence intervals, values that are marginally high relative to the rest of the data are retained unless there is particular justification for excluding them. No additional measurements were flagged among downgradient wells and all previously flagged measurements were confirmed. During previous analyses, elevated reporting limits for lithium at wells BGWC-32, BGWC-38D, and BGWC-40 were flagged and remain flagged. Additionally, a high historic observation for antimony at BGWC-24 was resampled and the original sample remains flagged as an outlier. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through July/August 2025 for Appendix IV constituents (Figure G). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement.

The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

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 H).

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 well with 8 or more observations and each assessment well with 4 or more observations using all available data through July/August 2025.

Confidence intervals were compared to the GWPS prepared as described above. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics depending on the sample size as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the

GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number of 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. Note that due to increasing trends for cobalt at downgradient well BGWC-16 and lithium at BGWC-20, the records were truncated to eliminate the trend and only the most recent observations were used to construct the confidence interval (USEPA Unified Guidance, 2009, Chapter 7). Trend tests using both the full and truncated records follow this report (Figure I).

Summaries of the confidence intervals follow this letter (Figure J) and exceedances were identified for the following well/constituent pairs:

- Arsenic: BGWC-34D
- Cobalt: BGWC-16 and BGWC-22
- Lithium: BGWC-20
- Molybdenum: BGWC-43D

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure K). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing
- Cobalt: BGWC-16 and BGWC-22
- Lithium: BGWC-20

Decreasing
- None

Summary

Observations from the July/August 2025 sample event were compared to established interwell prediction limits for Appendix III constituents. Several statistically significant increases were identified and may be seen on the summary table following this letter.

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, the following exceedances were identified:

- Arsenic: BGWC-34D
- Cobalt: BGWC-16 and BGWC-22
- Lithium: BGWC-20
- Molybdenum: BGWC-43D

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,

Easton Rayner
Groundwater Analyst

Andrew Collins
Project Manager

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Summary Tables

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Date Ranges

Date: 9/17/2025 12:09 PM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Cobalt (mg/L)
BGWC-16 overall:9/24/2020-8/5/2025
Lithium (mg/L)
BGWC-20 overall:2/16/2022-8/7/2025

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100% Non-Detects: Appendix IV Downgradient

Analysis Run 9/17/2025 12:41 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Antimony (mg/L)
BGWC-12, BGWC-18, PZ-7

Beryllium (mg/L)
BGWC-7, BGWC-8, BGWC-9, BGWC-10, BGWC-14A, BGWC-20, BGWC-21, BGWC-25, BGWC-30, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-40, BGWC-43D, BGWC-49D, BGWC-50D

Cadmium (mg/L)
BGWC-7, BGWC-8, BGWC-9, BGWC-10, BGWC-12, BGWC-21, BGWC-25, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-40, BGWC-49D, BGWC-50D

Chromium (mg/L)
BGWC-19, BGWC-22, BGWC-34D, BGWC-50D, PZ-7

Cobalt (mg/L)
BGWC-51, PZ-7

Lead (mg/L)
BGWC-7, PZ-7

Lithium (mg/L)
BGWC-18, BGWC-19, BGWC-21, BGWC-25, BGWC-31

Mercury (mg/L)
BGWC-32, BGWC-40, BGWC-49D, BGWC-50D

Molybdenum (mg/L)
BGWC-12, BGWC-16, BGWC-17, BGWC-18, PZ-7

Selenium (mg/L)
BGWC-7, BGWC-10, BGWC-25, BGWC-50D, PZ-7

Thallium (mg/L)
BGWC-8, BGWC-10, BGWC-21, BGWC-25, BGWC-31, BGWC-49D, BGWC-50D

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:18 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BGWA-2 (bg)**	**2.45**	**212**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.09485**	**-200**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3306**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-2 (bg)**	**-0.04727**	**-223**	**-146**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-47D (bg)**	**-0.07964**	**-92**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.076**	**242**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.3887**	**-133**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWA-2 (bg)**	**7.289**	**168**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:19 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	0.0002862	32	118	No	26	11.54	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	16	118	No	26	57.69	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.0008838	-36	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	-0.0003991	-10	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BGWA-2 (bg)**	**2.45**	**212**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWA-29 (bg)	0.03279	20	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	0.8639	23	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-1.03	-15	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.08983	80	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.09485**	**-200**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3306**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-48D (bg)	0.1124	17	68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-2 (bg)	-0.001924	-140	-146	No	30	40	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-29 (bg)	0	68	139	No	29	55.17	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-47D (bg)	0	-32	-74	No	19	68.42	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01003	-58	-74	No	19	31.58	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWA-2 (bg)**	**-0.04727**	**-223**	**-146**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-29 (bg)	-0.00856	-32	-139	No	29	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWA-47D (bg)**	**-0.07964**	**-92**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-48D (bg)	-0.0211	-10	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.076**	**242**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.3887**	**-133**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWA-47D (bg)	-0.06628	-4	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	2.359	15	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWA-2 (bg)**	**7.289**	**168**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWA-29 (bg)	-1.105	-50	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-47D (bg)	3.024	26	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-48D (bg)	6.898	41	68	No	18	0	n/a	n/a	0.01	NP

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:43 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**BGWA-2 (bg)**	**-0.01187**	**-291**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-29 (bg)**	**-0.001203**	**-209**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-47D (bg)**	**-0.001055**	**-68**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-48D (bg)**	**-0.007961**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BGWA-47D (bg)**	**0.000828**	**78**	**58**	**Yes**	**19**	**57.89**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**BGWA-2 (bg)**	**-0.001924**	**-140**	**-112**	**Yes**	**30**	**40**	**n/a**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**BGWA-47D (bg)**	**0.0002039**	**98**	**58**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**BGWA-48D (bg)**	**0.0002174**	**103**	**58**	**Yes**	**19**	**47.37**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Upgradient Wells - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:43 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	BGWA-2 (bg)	0	-26	-81	No	24	87.5	n/a	n/a	0.05	NP
Antimony (mg/L)	BGWA-29 (bg)	0	-15	-81	No	24	91.67	n/a	n/a	0.05	NP
Antimony (mg/L)	BGWA-47D (bg)	0	56	58	No	19	63.16	n/a	n/a	0.05	NP
Antimony (mg/L)	BGWA-48D (bg)	0	-5	-58	No	19	21.05	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-2 (bg)	0	59	101	No	28	57.14	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	55	101	No	28	64.29	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	34	58	No	19	78.95	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0	-10	-58	No	19	36.84	n/a	n/a	0.05	NP
Barium (mg/L)	**BGWA-2 (bg)**	**-0.01187**	**-291**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-29 (bg)**	**-0.001203**	**-209**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-47D (bg)**	**-0.001055**	**-68**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-48D (bg)**	**-0.007961**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	BGWA-2 (bg)	0	0	90	No	26	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BGWA-29 (bg)	0	0	90	No	26	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BGWA-47D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BGWA-48D (bg)	0	10	58	No	19	94.74	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-2 (bg)	0	-9	-101	No	28	96.43	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-29 (bg)	0	21	101	No	28	96.43	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-47D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-48D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Chromium (mg/L)	BGWA-2 (bg)	0	27	90	No	26	76.92	n/a	n/a	0.05	NP
Chromium (mg/L)	BGWA-29 (bg)	0	62	90	No	26	65.38	n/a	n/a	0.05	NP
Chromium (mg/L)	**BGWA-47D (bg)**	**0.000828**	**78**	**58**	**Yes**	**19**	**57.89**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	BGWA-48D (bg)	0	31	58	No	19	84.21	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	29	106	No	29	89.66	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	16	58	No	19	94.74	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	23	58	No	19	89.47	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-2 (bg)	-0.03664	-57	-101	No	28	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-29 (bg)	0.01673	42	101	No	28	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-47D (bg)	0.05609	20	58	No	19	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-48D (bg)	-0.06844	-27	-58	No	19	0	n/a	n/a	0.05	NP
Fluoride (mg/L)	**BGWA-2 (bg)**	**-0.001924**	**-140**	**-112**	**Yes**	**30**	**40**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BGWA-29 (bg)	0	68	106	No	29	55.17	n/a	n/a	0.05	NP
Fluoride (mg/L)	BGWA-47D (bg)	0	-32	-58	No	19	68.42	n/a	n/a	0.05	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01003	-58	-58	No	19	31.58	n/a	n/a	0.05	NP
Lead (mg/L)	BGWA-2 (bg)	0	-9	-90	No	26	76.92	n/a	n/a	0.05	NP
Lead (mg/L)	BGWA-29 (bg)	0	-5	-90	No	26	96.15	n/a	n/a	0.05	NP
Lead (mg/L)	**BGWA-47D (bg)**	**0.0002039**	**98**	**58**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**BGWA-48D (bg)**	**0.0002174**	**103**	**58**	**Yes**	**19**	**47.37**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BGWA-2 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-29 (bg)	0	-83	-101	No	28	67.86	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-47D (bg)	0	-46	-58	No	19	78.95	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-48D (bg)	0	57	58	No	19	63.16	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-2 (bg)	0	13	90	No	26	92.31	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-29 (bg)	0	-5	-90	No	26	92.31	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-47D (bg)	0	14	58	No	19	89.47	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-48D (bg)	0	-24	-58	No	19	89.47	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	94	106	No	29	58.62	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	3	101	No	28	96.43	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	18	58	No	19	94.74	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.0001085	-4	-58	No	19	0	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-2 (bg)	0	5	90	No	26	96.15	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-29 (bg)	0	0	90	No	26	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-47D (bg)	-0.0001	-40	-58	No	19	31.58	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-48D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-2 (bg)	0	40	101	No	28	50	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-29 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-47D (bg)	0	18	58	No	19	94.74	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-48D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP

Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	BGWC-7	0.04	n/a	8/5/2025	0.69	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.04	n/a	8/4/2025	0.45	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-10	0.04	n/a	8/5/2025	0.48	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.04	n/a	8/4/2025	1.6	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.04	n/a	8/4/2025	1.5	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.04	n/a	8/5/2025	2	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.04	n/a	8/5/2025	1.1	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.04	n/a	8/5/2025	0.46	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.04	n/a	8/6/2025	0.59	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.04	n/a	8/7/2025	4.7	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.04	n/a	8/7/2025	9.8	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.04	n/a	8/11/2025	6	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.04	n/a	8/11/2025	11.7	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.04	n/a	8/7/2025	0.17	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.04	n/a	8/5/2025	1.7	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.04	n/a	8/13/2025	1.1	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.04	n/a	8/11/2025	0.83	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	8/4/2025	175	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	8/4/2025	177	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	8/5/2025	153	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	8/7/2025	267	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/7/2025	252	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/11/2025	228	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	8/11/2025	337	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	9.289	n/a	8/5/2025	29.1	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.289	n/a	8/4/2025	13.5	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.289	n/a	8/4/2025	21.4	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.289	n/a	8/5/2025	9.8	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.289	n/a	8/5/2025	32.4	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	9.289	n/a	8/6/2025	11.1	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.289	n/a	8/7/2025	130	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.289	n/a	8/7/2025	262	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.289	n/a	8/11/2025	291	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.289	n/a	8/11/2025	390	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	9.289	n/a	8/7/2025	21.9	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.289	n/a	8/5/2025	98.5	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-51	9.289	n/a	8/13/2025	46.1	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-52	9.289	n/a	8/11/2025	31.4	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
pH, Field (SU)	BGWC-16	8.344	6.591	8/5/2025	6.22	Yes	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-24	8.344	6.591	8/11/2025	6.59	Yes	97	0	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	8/5/2025	152	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	8/4/2025	80.3	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	8/5/2025	95.9	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	8/4/2025	420	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	8/4/2025	434	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	8/5/2025	400	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	8/5/2025	132	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	8/6/2025	111	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	8/7/2025	585	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/7/2025	305	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/11/2025	214	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	8/11/2025	267	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-51	78	n/a	8/13/2025	99.7	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-7	415	n/a	8/5/2025	571	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-10	415	n/a	8/5/2025	438	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-12	415	n/a	8/4/2025	1100	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-14A	415	n/a	8/4/2025	1040	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-16	415	n/a	8/5/2025	865	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-17	415	n/a	8/5/2025	504	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-19	415	n/a	8/6/2025	424	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-20	415	n/a	8/7/2025	1420	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-22	415	n/a	8/7/2025	1370	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-23	415	n/a	8/11/2025	1450	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-24	415	n/a	8/11/2025	1680	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-30	415	n/a	8/5/2025	528	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-51	415	n/a	8/13/2025	432	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	**BGWC-7**	**0.04**	**n/a**	**8/5/2025**	**0.69**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-8	0.04	n/a	7/31/2025	0.039J	No	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-9**	**0.04**	**n/a**	**8/4/2025**	**0.45**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-10**	**0.04**	**n/a**	**8/5/2025**	**0.48**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-12**	**0.04**	**n/a**	**8/4/2025**	**1.6**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-14A**	**0.04**	**n/a**	**8/4/2025**	**1.5**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-16**	**0.04**	**n/a**	**8/5/2025**	**2**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-17**	**0.04**	**n/a**	**8/5/2025**	**1.1**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-18**	**0.04**	**n/a**	**8/5/2025**	**0.46**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-19**	**0.04**	**n/a**	**8/6/2025**	**0.59**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-20**	**0.04**	**n/a**	**8/7/2025**	**4.7**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-21	0.04	n/a	8/11/2025	0.03J	No	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-22**	**0.04**	**n/a**	**8/7/2025**	**9.8**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-23**	**0.04**	**n/a**	**8/11/2025**	**6**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-24**	**0.04**	**n/a**	**8/11/2025**	**11.7**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-25**	**0.04**	**n/a**	**8/7/2025**	**0.17**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-30**	**0.04**	**n/a**	**8/5/2025**	**1.7**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-51**	**0.04**	**n/a**	**8/13/2025**	**1.1**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-52**	**0.04**	**n/a**	**8/11/2025**	**0.83**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-7	117	n/a	8/5/2025	101	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	7/31/2025	42.9	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	8/4/2025	62.2	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	8/5/2025	61.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-12**	**117**	**n/a**	**8/4/2025**	**175**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-14A**	**117**	**n/a**	**8/4/2025**	**177**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-16**	**117**	**n/a**	**8/5/2025**	**153**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-17	117	n/a	8/5/2025	82.1	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	8/5/2025	64.9	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	8/6/2025	75.1	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-20**	**117**	**n/a**	**8/7/2025**	**267**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-21	117	n/a	8/11/2025	43.5	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-22**	**117**	**n/a**	**8/7/2025**	**252**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-23**	**117**	**n/a**	**8/11/2025**	**228**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-24**	**117**	**n/a**	**8/11/2025**	**337**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-25	117	n/a	8/7/2025	54.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	8/5/2025	80.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	8/13/2025	80.1	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-52	117	n/a	8/11/2025	67.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-7	9.289	n/a	8/5/2025	6.8	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	9.289	n/a	7/31/2025	1.7	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	9.289	n/a	8/4/2025	8.5	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-10**	**9.289**	**n/a**	**8/5/2025**	**29.1**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-12**	**9.289**	**n/a**	**8/4/2025**	**13.5**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-14A**	**9.289**	**n/a**	**8/4/2025**	**21.4**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-16**	**9.289**	**n/a**	**8/5/2025**	**9.8**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-17**	**9.289**	**n/a**	**8/5/2025**	**32.4**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-18	9.289	n/a	8/5/2025	5.3	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-19**	**9.289**	**n/a**	**8/6/2025**	**11.1**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-20**	**9.289**	**n/a**	**8/7/2025**	**130**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-21	9.289	n/a	8/11/2025	4.9	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-22**	**9.289**	**n/a**	**8/7/2025**	**262**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-23**	**9.289**	**n/a**	**8/11/2025**	**291**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-24**	**9.289**	**n/a**	**8/11/2025**	**390**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-25**	**9.289**	**n/a**	**8/7/2025**	**21.9**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-30**	**9.289**	**n/a**	**8/5/2025**	**98.5**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-51**	**9.289**	**n/a**	**8/13/2025**	**46.1**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-52**	**9.289**	**n/a**	**8/11/2025**	**31.4**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Fluoride (mg/L)	BGWC-7	0.57	n/a	8/5/2025	0.15	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	7/31/2025	0.055J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	8/4/2025	0.11	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	8/5/2025	0.055J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	8/4/2025	0.1	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	8/4/2025	0.084J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	8/5/2025	0.086J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	8/5/2025	0.14	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	8/5/2025	0.077J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	8/6/2025	0.076J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	8/7/2025	0.061J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-21	0.57	n/a	8/11/2025	0.1ND	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	8/7/2025	0.27	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	8/11/2025	0.074J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	8/11/2025	0.19	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	8/7/2025	0.1ND	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	8/5/2025	0.073J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-51	0.57	n/a	8/13/2025	0.18	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-52	0.57	n/a	8/11/2025	0.13	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
pH, Field (SU)	BGWC-7	8.344	6.591	8/5/2025	7.01	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-8	8.344	6.591	7/31/2025	7.57	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-9	8.344	6.591	8/4/2025	7.22	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-10	8.344	6.591	8/5/2025	7.43	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-12	8.344	6.591	8/4/2025	6.87	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-14A	8.344	6.591	8/4/2025	6.8	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-16**	**8.344**	**6.591**	**8/5/2025**	**6.22**	**Yes**	**97**	**0**	**x^2**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-17	8.344	6.591	8/5/2025	7.22	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-18	8.344	6.591	8/5/2025	6.8	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-19	8.344	6.591	8/6/2025	6.7	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-20	8.344	6.591	8/7/2025	7.16	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-21	8.344	6.591	8/11/2025	7.61	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-22	8.344	6.591	8/7/2025	6.88	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-23	8.344	6.591	8/11/2025	7.03	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-24**	**8.344**	**6.591**	**8/11/2025**	**6.59**	**Yes**	**97**	**0**	**x^2**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-25	8.344	6.591	8/7/2025	7.46	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-30	8.344	6.591	8/5/2025	7.34	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-51	8.344	6.591	8/13/2025	7.05	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-52	8.344	6.591	8/11/2025	7.42	No	97	0	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	**BGWC-7**	**78**	**n/a**	**8/5/2025**	**152**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-8	78	n/a	7/31/2025	16.2	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-9**	**78**	**n/a**	**8/4/2025**	**80.3**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-10**	**78**	**n/a**	**8/5/2025**	**95.9**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-12**	**78**	**n/a**	**8/4/2025**	**420**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-14A**	**78**	**n/a**	**8/4/2025**	**434**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-16**	**78**	**n/a**	**8/5/2025**	**400**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-17**	**78**	**n/a**	**8/5/2025**	**132**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-18	78	n/a	8/5/2025	56.9	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-19**	**78**	**n/a**	**8/6/2025**	**111**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-20**	**78**	**n/a**	**8/7/2025**	**585**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-21	78	n/a	8/11/2025	52.2	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-22**	**78**	**n/a**	**8/7/2025**	**305**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-23**	**78**	**n/a**	**8/11/2025**	**214**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-24**	**78**	**n/a**	**8/11/2025**	**267**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-25	78	n/a	8/7/2025	40.7	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	8/5/2025	48.7	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-51**	**78**	**n/a**	**8/13/2025**	**99.7**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-52	78	n/a	8/11/2025	74.5	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-7**	**415**	**n/a**	**8/5/2025**	**571**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-8	415	n/a	7/31/2025	199	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-9	415	n/a	8/4/2025	344	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-10**	**415**	**n/a**	**8/5/2025**	**438**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-12**	**415**	**n/a**	**8/4/2025**	**1100**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-14A**	**415**	**n/a**	**8/4/2025**	**1040**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-16**	**415**	**n/a**	**8/5/2025**	**865**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-17**	**415**	**n/a**	**8/5/2025**	**504**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-18	415	n/a	8/5/2025	345	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-19**	**415**	**n/a**	**8/6/2025**	**424**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-20**	**415**	**n/a**	**8/7/2025**	**1420**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-21	415	n/a	8/11/2025	253	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-22**	**415**	**n/a**	**8/7/2025**	**1370**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-23**	**415**	**n/a**	**8/11/2025**	**1450**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-24**	**415**	**n/a**	**8/11/2025**	**1680**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-25	415	n/a	8/7/2025	284	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-30**	**415**	**n/a**	**8/5/2025**	**528**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-51**	**415**	**n/a**	**8/13/2025**	**432**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-52	415	n/a	8/11/2025	321	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 12:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-7	-0.1543	-239	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.02359	-139	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.07463	214	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1597	82	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.0487	-133	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.05341	-193	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.2387	183	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.105	183	139	Yes	29	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	0.7725	127	124	Yes	27	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-1.988	-139	-131	Yes	28	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.008181	175	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-2.398	-221	-131	Yes	28	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-5.625	-59	-38	Yes	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-52	-2.12	-47	-38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.45	212	118	Yes	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.68	263	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	15.18	82	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	10.62	196	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.04	217	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	38.25	185	139	Yes	29	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-72.18	-156	-131	Yes	28	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.09485	-200	-118	Yes	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3306	-114	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.108	217	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-3.872	-279	-111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.324	-235	-111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-19	-2.64	-191	-111	Yes	25	4	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-183.1	-218	-131	Yes	28	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-25	0.6008	162	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-94.13	-242	-131	Yes	28	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-176.1	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-52	-101.3	-48	-38	Yes	12	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWA-2 (bg)	-0.04727	-223	-146	Yes	30	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWA-47D (bg)	-0.07964	-92	-74	Yes	19	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWC-16	-0.06845	-298	-139	Yes	29	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWC-24	-0.04198	-242	-161	Yes	32	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.076	242	118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.3887	-133	-118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.32	-207	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-4.32	-153	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.845	-157	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	30.69	229	111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	21.47	197	111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-7.493	-132	-111	Yes	25	4	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-49.74	-178	-131	Yes	28	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-51	-99.68	-44	-38	Yes	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-2 (bg)	7.289	168	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-7	-41.34	-212	-111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-12	70.58	226	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-14A	73.4	78	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-16	43.77	180	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-20	40.67	173	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-24	-354.9	-149	-118	Yes	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-30	-245	-215	-118	Yes	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-51	-504	-42	-38	Yes	12	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 12:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	0.0002862	32	118	No	26	11.54	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	16	118	No	26	57.69	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.0008838	-36	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	-0.0003991	-10	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-7**	**-0.1543**	**-239**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-9**	**-0.02359**	**-139**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-10	0.001088	25	111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-12**	**0.07463**	**214**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-14A**	**0.1597**	**82**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-16	0.05815	86	111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-17**	**-0.0487**	**-133**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-18**	**-0.05341**	**-193**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-19	-0.03496	-103	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-20**	**0.2387**	**183**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-22**	**1.105**	**183**	**139**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-23**	**0.7725**	**127**	**124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-24**	**-1.988**	**-139**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-25**	**0.008181**	**175**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-30**	**-2.398**	**-221**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-51**	**-5.625**	**-59**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-52**	**-2.12**	**-47**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWA-2 (bg)**	**2.45**	**212**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWA-29 (bg)	0.03279	20	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	0.8639	23	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-1.03	-15	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BGWC-12**	**14.68**	**263**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-14A**	**15.18**	**82**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-16**	**10.62**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-20**	**14.04**	**217**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-22**	**38.25**	**185**	**139**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWC-23	36.95	103	124	No	27	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BGWC-24**	**-72.18**	**-156**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-2 (bg)	0.08983	80	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.09485**	**-200**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3306**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-48D (bg)	0.1124	17	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-10**	**1.108**	**217**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-12**	**-3.872**	**-279**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-14A	-0.02412	-3	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-16**	**-3.324**	**-235**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-17	0.1003	14	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-19**	**-2.64**	**-191**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-20	0.212	34	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	34.79	107	139	No	29	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	28.23	69	124	No	27	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-24**	**-183.1**	**-218**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-25**	**0.6008**	**162**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-30**	**-94.13**	**-242**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-51**	**-176.1**	**-54**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-52**	**-101.3**	**-48**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-2 (bg)**	**-0.04727**	**-223**	**-146**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-29 (bg)	-0.00856	-32	-139	No	29	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWA-47D (bg)**	**-0.07964**	**-92**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-48D (bg)	-0.0211	-10	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWC-16**	**-0.06845**	**-298**	**-139**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWC-24**	**-0.04198**	**-242**	**-161**	**Yes**	**32**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.076**	**242**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.3887**	**-133**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWA-47D (bg)	-0.06628	-4	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	2.359	15	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-7**	**-36.32**	**-207**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-9**	**-4.32**	**-153**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-10**	**-1.845**	**-157**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-12**	**30.69**	**229**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-14A	39.04	68	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-16**	**21.47**	**197**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-17	0	-1	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-19**	**-7.493**	**-132**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 12:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-20	3.981	56	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	-15.82	-66	-139	No	29	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	-12.52	-32	-124	No	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-24**	**-49.74**	**-178**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-51**	**-99.68**	**-44**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWA-2 (bg)**	**7.289**	**168**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWA-29 (bg)	-1.105	-50	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-47D (bg)	3.024	26	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-48D (bg)	6.898	41	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-7**	**-41.34**	**-212**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-10	7.927	101	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-12**	**70.58**	**226**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-14A**	**73.4**	**78**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-16**	**43.77**	**180**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-17	7.132	76	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-19	-7.771	-55	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-20**	**40.67**	**173**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-22	84.44	87	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-23	94.4	62	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-24**	**-354.9**	**-149**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-30**	**-245**	**-215**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-51**	**-504**	**-42**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0042	n/a	n/a	n/a	86	68.6	n/a	0.01214	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.01	n/a	n/a	n/a	94	59.57	n/a	0.008054	NP Inter(NDs)
Barium (mg/L)	n/a	0.218	n/a	n/a	n/a	94	0	n/a	0.008054	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	90	98.89	n/a	0.009888	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	94	97.87	n/a	0.008054	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	90	71.11	n/a	0.009888	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	95	93.68	n/a	0.007651	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.627	n/a	n/a	n/a	94	0	No	0.05	Inter
Fluoride (mg/L)	n/a	0.57	n/a	n/a	n/a	97	48.45	n/a	0.006905	NP Inter(normality)
Lead (mg/L)	n/a	0.0024	n/a	n/a	n/a	90	71.11	n/a	0.009888	NP Inter(NDs)
Lithium (mg/L)	n/a	0.002	n/a	n/a	n/a	94	78.72	n/a	0.008054	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00022	n/a	n/a	n/a	90	91.11	n/a	0.009888	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	95	65.26	n/a	0.007651	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	90	84.44	n/a	0.009888	NP Inter(NDs)
Thallium (mg/L)	n/a	0.00082	n/a	n/a	n/a	94	84.04	n/a	0.008054	NP Inter(NDs)

BOWEN ASH POND 1 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0004	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		1.63	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	0.002	0.04
Mercury, Total (mg/L)	0.002		0.00022	0.002
Molybdenum, Total (mg/L)		0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.00082	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.0009632**	**279**	**101**	**Yes**	**28**	**3.571**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.0056**	**198**	**101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - Truncated Record - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	BGWC-16	0.0005171	28	30	No	12	0	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWC-20	0.01895	16	17	No	8	0	n/a	n/a	0.05	NP

Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**BGWC-34D**	**0.01738**	**0.01483**	**0.01**	**Yes**	**19**	**0.01611**	**0.002183**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-16**	**0.01184**	**0.008946**	**0.006**	**Yes**	**12**	**0.01039**	**0.001843**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-22**	**0.02396**	**0.01588**	**0.006**	**Yes**	**31**	**0.02074**	**0.009669**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**BGWC-20**	**0.09655**	**0.04267**	**0.04**	**Yes**	**8**	**0.06961**	**0.02542**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**BGWC-43D**	**0.1888**	**0.1365**	**0.1**	**Yes**	**15**	**0.1627**	**0.03863**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWC-7	0.002	0.0016	0.006	No	24	0.001829	0.0004592	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.002	0.00059	0.006	No	24	0.00181	0.0005132	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.002	0.0014	0.006	No	23	0.001775	0.0005341	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.0021	0.0015	0.006	No	24	0.001992	0.0001139	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.002	0.00061	0.006	No	19	0.001837	0.0004899	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.002	0.0004	0.006	No	24	0.001933	0.0003266	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.002	0.0002	0.006	No	24	0.001925	0.0003674	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.002	0.0005	0.006	No	24	0.001938	0.0003062	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.002	0.0014	0.006	No	24	0.001913	0.0003248	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.002	0.0017	0.006	No	23	0.001961	0.0001373	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.0021	0.00085	0.006	No	24	0.001897	0.0004236	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.0031	0.0022	0.006	No	25	0.002709	0.001283	52	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	24	0.003331	0.001943	62.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.002	0.0013	0.006	No	24	0.001912	0.0003175	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-30	0.003	0.00085	0.006	No	24	0.002807	0.0006569	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.0023	0.00038	0.006	No	14	0.001906	0.0004463	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-32	0.002	0.00039	0.006	No	14	0.001768	0.0005901	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.002	0.00079	0.006	No	14	0.001806	0.0004974	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.0023	0.00086	0.006	No	14	0.001697	0.0005711	64.29	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.0021	0.00096	0.006	No	14	0.001933	0.0002813	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.003508	0.0007799	0.006	No	14	0.002731	0.002641	21.43	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.002	0.0005	0.006	No	14	0.001893	0.0004009	92.86	Kaplan-Meier	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-43D	0.002	0.00091	0.006	No	12	0.001749	0.0004954	75	Kaplan-Meier	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-49D	0.002	0.002	0.006	No	10	0.001839	0.0005091	90	Kaplan-Meier	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.002	0.0019	0.006	No	10	0.00196	0.00009661	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-51	0.002	0.0019	0.006	No	12	0.001992	0.00002887	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-52	0.002	0.00085	0.006	No	12	0.001773	0.0005114	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-7	0.002594	0.001735	0.01	No	28	0.002164	0.0009186	14.29	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.002	0.0008	0.01	No	28	0.001428	0.0006703	53.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-9	0.002253	0.001679	0.01	No	27	0.002319	0.0006355	22.22	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-10	0.006966	0.005363	0.01	No	28	0.006164	0.001715	3.571	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.002	0.00096	0.01	No	28	0.001673	0.0008216	46.43	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.0021	0.002	0.01	No	19	0.001979	0.0004577	73.68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.002	0.0011	0.01	No	28	0.001621	0.0006668	60.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.002	0.0014	0.01	No	28	0.001679	0.0005348	67.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.002	0.0014	0.01	No	28	0.001661	0.0005924	67.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.002	0.00082	0.01	No	28	0.001544	0.0006448	57.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.002	0.0016	0.01	No	28	0.002022	0.00133	42.86	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.002	0.0012	0.01	No	27	0.001644	0.0005627	59.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-22	0.00304	0.001668	0.01	No	28	0.002811	0.002231	14.29	None	ln(x)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.003732	0.001855	0.01	No	28	0.003071	0.002355	10.71	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005278	0.003117	0.01	No	29	0.004452	0.002577	13.79	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002688	0.001824	0.01	No	28	0.0025	0.0009428	17.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.001751	0.0008413	0.01	No	28	0.001833	0.0009066	39.29	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-31	0.005079	0.003557	0.01	No	17	0.004318	0.001215	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.002955	0.001085	0.01	No	17	0.002472	0.001659	23.53	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	**BGWC-34D**	**0.01738**	**0.01483**	**0.01**	**Yes**	**19**	**0.01611**	**0.002183**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	BGWC-35D	0.005952	0.001959	0.01	No	17	0.004333	0.00398	5.882	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.002237	0.0008106	0.01	No	17	0.002118	0.001386	41.18	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.0051	0.0019	0.01	No	14	0.002793	0.001493	28.57	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-40	0.002178	0.0006659	0.01	No	14	0.001984	0.0008829	42.86	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.004676	0.001198	0.01	No	12	0.003341	0.002504	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.007421	0.002439	0.01	No	10	0.00493	0.002943	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003105	0.002038	0.01	No	10	0.00314	0.001122	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.003541	0.001095	0.01	No	12	0.003067	0.00171	50	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.0028	0.001	0.01	No	12	0.002149	0.001018	58.33	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-7	0.005022	0.001517	0.01	No	6	0.00315	0.001507	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-7	0.03674	0.03019	2	No	28	0.03346	0.007007	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.02982	0.02686	2	No	28	0.02771	0.00508	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03079	0.0274	2	No	27	0.0291	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-10	0.05424	0.0439	2	No	28	0.04971	0.0121	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-12	0.04197	0.03319	2	No	28	0.03758	0.00939	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.03992	0.0324	2	No	19	0.03616	0.006423	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.0304	0.02751	2	No	28	0.02895	0.003096	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.0179	0.015	2	No	28	0.01678	0.002479	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-18	0.03431	0.0305	2	No	28	0.0325	0.004179	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-19	0.03767	0.03183	2	No	28	0.03475	0.006245	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03416	0.03149	2	No	28	0.03282	0.002859	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	BGWC-21	0.03996	0.02957	2	No	27	0.03477	0.01089	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.08696	0.07351	2	No	28	0.07903	0.01571	0	None	x^2	0.01	Param.
Barium (mg/L)	BGWC-23	0.1006	0.08085	2	No	28	0.09074	0.02115	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-24	0.09708	0.06648	2	No	29	0.08178	0.0334	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.02284	0.01708	2	No	28	0.02045	0.006704	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-30	0.15	0.062	2	No	28	0.1052	0.05956	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.0431	0.03685	2	No	17	0.04006	0.005129	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-32	0.12	0.085	2	No	17	0.09929	0.01886	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-34D	0.05297	0.04232	2	No	17	0.04765	0.0085	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.08442	0.05906	2	No	17	0.07253	0.02133	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-36D	0.074	0.058	2	No	17	0.06747	0.01343	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-38D	0.1638	0.09777	2	No	14	0.1308	0.04661	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05239	0.03932	2	No	14	0.04586	0.009223	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.07263	0.05787	2	No	12	0.06525	0.009411	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.07941	0.05799	2	No	10	0.0687	0.012	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.05785	0.03295	2	No	10	0.0454	0.01395	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.054	0.0057	2	No	12	0.02287	0.02227	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-52	0.084	0.018	2	No	12	0.042	0.02894	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-7	0.03182	0.01985	2	No	6	0.02583	0.004355	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0004	0.000076	0.004	No	26	0.0003739	0.00009222	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.0004	0.00013	0.004	No	26	0.0002396	0.0001313	34.62	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0004	0.000065	0.004	No	26	0.0003344	0.0001371	80.77	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0004	0.0001	0.004	No	26	0.0003008	0.0001522	69.23	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0004	0.000088	0.004	No	26	0.0002997	0.0001537	69.23	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.0004	0.00012	0.004	No	26	0.0002353	0.0001447	42.31	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0004	0.000054	0.004	No	26	0.0003867	0.00006786	96.15	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0004	0.00022	0.004	No	27	0.0002997	0.0001125	48.15	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-36D	0.0004	0.00007	0.004	No	16	0.0003794	0.0000825	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0004	0.00006	0.004	No	14	0.000282	0.0001645	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0004	0.000072	0.004	No	12	0.0002562	0.0001544	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-52	0.0004	0.000052	0.004	No	12	0.000371	0.0001005	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	PZ-7	0.0004	0.000064	0.004	No	6	0.0002342	0.0001817	50	None	No	0.0155	NP (normality)
Cadmium (mg/L)	BGWC-14A	0.00057	0.00019	0.005	No	19	0.0004079	0.0001971	31.58	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001898	0.001422	0.005	No	28	0.001689	0.0005439	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00017	0.005	No	28	0.0003096	0.0001644	39.29	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0005	0.0004	0.005	No	28	0.0004412	0.0001611	60.71	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	28	0.0004607	0.0001166	89.29	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	28	0.000485	0.00007937	96.43	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0009	0.00038	0.005	No	28	0.0005279	0.0003154	53.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	28	0.0004889	0.00005858	96.43	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.004997	0.002843	0.005	No	29	0.00392	0.002351	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0004	0.005	No	28	0.000435	0.0001245	64.29	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00044	0.005	No	14	0.0004807	0.0001366	71.43	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-43D	0.000825	0.0002428	0.005	No	12	0.000555	0.0004315	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0007	0.00043	0.005	No	12	0.0004892	0.00008764	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	12	0.0004258	0.0001353	75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-7	0.0005	0.00014	0.005	No	6	0.0003317	0.0001855	50	None	No	0.0155	NP (normality)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	26	0.004504	0.001401	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0012	0.1	No	26	0.005185	0.01195	38.46	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	25	0.004644	0.0009841	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	26	0.00485	0.0007649	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.0018	0.1	No	26	0.004016	0.001848	76.92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	19	0.005916	0.004933	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	26	0.004716	0.001018	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	26	0.004647	0.001246	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	26	0.004508	0.001392	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0024	0.1	No	26	0.003917	0.001697	65.38	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	25	0.004716	0.001027	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	26	0.004338	0.00146	80.77	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	27	0.004518	0.00139	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	26	0.004888	0.0005687	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.0009	0.1	No	26	0.002935	0.002116	50	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.0011	0.1	No	16	0.004206	0.00171	81.25	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00072	0.1	No	16	0.003901	0.001875	68.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.0086	0.0011	0.1	No	16	0.004443	0.002005	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.0006	0.1	No	16	0.003921	0.001932	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.0031	0.1	No	14	0.004537	0.001289	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00081	0.1	No	14	0.003481	0.002119	57.14	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	12	0.004783	0.0007506	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.005	0.1	No	10	0.004571	0.001357	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	12	0.004633	0.00127	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.0013	0.1	No	12	0.004042	0.001746	75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-7	0.00094	0.00068	0.006	No	28	0.001795	0.001887	25	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	28	0.004346	0.001641	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	27	0.004487	0.001481	88.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00051	0.006	No	28	0.00321	0.002267	60.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00048	0.006	No	28	0.0029	0.0023	53.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-14A	0.002302	0.00123	0.006	No	19	0.002737	0.001578	26.32	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	**BGWC-16**	**0.01184**	**0.008946**	**0.006**	**Yes**	**12**	**0.01039**	**0.001843**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	28	0.004827	0.0009166	96.43	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	28	0.004208	0.001733	82.14	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.00052	0.006	No	28	0.004664	0.001235	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	28	0.004348	0.001629	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.00064	0.006	No	27	0.003388	0.002751	33.33	None	No	0.01	NP (normality)
Cobalt (mg/L)	**BGWC-22**	**0.02396**	**0.01588**	**0.006**	**Yes**	**31**	**0.02074**	**0.009669**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	30	0.003818	0.002003	73.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.003743	0.002695	0.006	No	31	0.003219	0.001188	9.677	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	28	0.004672	0.001205	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0012	0.006	No	30	0.003637	0.001977	66.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00046	0.006	No	17	0.003402	0.002232	64.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-32	0.006364	0.002757	0.006	No	19	0.004561	0.00308	10.53	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.001598	0.0007975	0.006	No	17	0.001198	0.0006386	11.76	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.002607	0.001296	0.006	No	17	0.001952	0.001046	11.76	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00058	0.006	No	17	0.003472	0.002138	64.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-38D	0.003929	0.001523	0.006	No	15	0.003253	0.003319	6.667	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-40	0.005	0.00042	0.006	No	14	0.001449	0.001926	21.43	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.004388	0.002212	0.006	No	13	0.0033	0.001463	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.005	0.00079	0.006	No	10	0.001722	0.001732	20	None	No	0.011	NP (normality)
Cobalt (mg/L)	BGWC-50D	0.001618	0.0004459	0.006	No	10	0.001032	0.0006569	10	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.003608	0.0009967	0.006	No	12	0.002303	0.001664	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.604	1.24	5	No	28	1.422	0.3897	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7725	0.4558	5	No	28	0.6141	0.3389	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9143	0.5162	5	No	27	0.7609	0.4799	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.392	1.011	5	No	28	1.227	0.4471	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7458	0.4047	5	No	28	0.5752	0.365	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.112	0.527	5	No	19	0.8196	0.4996	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.15	0.7386	5	No	28	0.9443	0.4402	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8557	0.5278	5	No	28	0.6918	0.3508	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.007	0.6341	5	No	28	0.8573	0.452	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.071	0.6709	5	No	28	0.8708	0.4277	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.316	0.8795	5	No	28	1.098	0.4671	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8038	0.4994	5	No	27	0.6516	0.3191	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.688	1.952	5	No	28	2.32	0.7886	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.685	1.048	5	No	28	1.367	0.6811	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	2.948	1.64	5	No	28	2.727	2.463	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.8662	0.5243	5	No	28	0.6952	0.3658	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	1.908	1.041	5	No	27	1.475	0.9088	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.651	1.11	5	No	17	1.38	0.4321	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	1.834	1.172	5	No	17	1.503	0.5283	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.689	1.928	5	No	17	2.309	0.6074	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	2.886	2.134	5	No	17	2.51	0.6001	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	1.971	1.218	5	No	17	1.594	0.6011	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	4.833	3.088	5	No	14	3.961	1.232	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	0.8741	0.4369	5	No	14	0.6555	0.3086	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	1.724	1.213	5	No	12	1.468	0.3252	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	2.983	1.915	5	No	10	2.449	0.5989	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.283	0.8094	5	No	10	1.046	0.2655	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7109	0.4046	5	No	12	0.5578	0.1952	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.181	0.4109	5	No	12	0.7962	0.491	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7	1.78	0.2244	5	No	5	1.002	0.4643	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1751	0.1309	4	No	29	0.153	0.04827	3.448	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.063	4	No	29	0.07655	0.0278	48.28	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-9	0.14	0.09	4	No	28	0.1634	0.1324	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-10	0.0979	0.0565	4	No	29	0.09924	0.06441	31.03	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.1	0.08	4	No	29	0.1008	0.05532	34.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.065	4	No	19	0.08379	0.017	42.11	None	No	0.01	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-16	0.1209	0.06367	4	No	29	0.1258	0.1015	20.69	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.17	0.12	4	No	29	0.1789	0.1252	3.448	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.1	0.074	4	No	29	0.1154	0.08993	31.03	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.1	0.071	4	No	29	0.1096	0.09994	31.03	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.062	4	No	29	0.1081	0.1194	37.93	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.08	4	No	28	0.087	0.02383	60.71	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.33	0.23	4	No	32	0.3497	0.2584	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	31	0.1488	0.1911	22.58	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	0.65	0.097	4	No	32	0.6668	0.9973	6.25	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.1	0.066	4	No	29	0.08931	0.02946	48.28	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-30	0.17	0.075	4	No	31	0.1833	0.1868	16.13	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-31	0.1	0.055	4	No	17	0.09447	0.01562	88.24	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-32	0.51	0.12	4	No	19	0.2677	0.3082	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.057	4	No	17	0.08365	0.02354	64.71	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.22	0.13	4	No	17	0.2135	0.1847	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.15	0.11	4	No	17	0.1521	0.08236	5.882	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-38D	0.5698	0.3129	4	No	15	0.4413	0.1895	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09051	0.06682	4	No	15	0.08367	0.01919	20	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.033	0.8553	4	No	15	0.944	0.1309	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-49D	0.08105	0.05969	4	No	10	0.0812	0.01706	30	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1389	0.07287	4	No	10	0.1059	0.03702	10	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1706	0.1145	4	No	12	0.1426	0.03576	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1325	0.09403	4	No	12	0.1133	0.0245	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-7	0.07018	0.04932	4	No	6	0.07317	0.02187	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	26	0.0008727	0.000306	84.62	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.0001	0.015	No	25	0.0006907	0.0004287	64	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	26	0.0009358	0.000227	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.0003	0.015	No	26	0.0007557	0.0003865	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.00011	0.015	No	19	0.0008053	0.0003875	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.00021	0.015	No	26	0.0006181	0.0004007	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	26	0.0009646	0.0001806	96.15	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0002	0.015	No	26	0.0007604	0.000403	73.08	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	26	0.0009161	0.000251	88.46	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	26	0.0009301	0.0002469	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000094	0.015	No	25	0.0007394	0.0004266	72	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	26	0.0008013	0.0003726	76.92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	26	0.0009404	0.000212	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	27	0.0008121	0.0003702	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0005	0.015	No	26	0.0007702	0.0003697	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00018	0.015	No	26	0.0006523	0.0004174	57.69	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-31	0.0006129	0.0002425	0.015	No	16	0.0006641	0.0003788	37.5	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	16	0.0008864	0.0003106	87.5	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.000054	0.015	No	16	0.0009409	0.0002365	93.75	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00018	0.015	No	16	0.0007006	0.0004041	62.5	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-36D	0.001	0.00017	0.015	No	16	0.000745	0.0003641	62.5	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-38D	0.001	0.00022	0.015	No	14	0.0007693	0.0003794	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00017	0.015	No	14	0.000705	0.0004114	64.29	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	12	0.0009267	0.000254	91.67	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.001	0.015	No	10	0.0009044	0.0003023	90	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.001	0.015	No	10	0.000914	0.000272	90	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00016	0.015	No	12	0.0007942	0.0003727	75	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.0001	0.015	No	12	0.000772	0.0004127	75	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-7	0.0088	0.0066	0.04	No	28	0.008446	0.003536	3.571	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-8	0.002	0.001	0.04	No	28	0.001964	0.000189	96.43	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.00211	0.0013	0.04	No	27	0.00994	0.01327	29.63	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	28	0.01165	0.01397	35.71	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	28	0.01358	0.01448	42.86	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00091	0.04	No	19	0.01183	0.01426	36.84	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00112	0.04	No	28	0.02687	0.009198	89.29	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00082	0.04	No	28	0.02791	0.00767	92.86	None	No	0.01	NP (NDs)
Lithium (mg/L)	**BGWC-20**	**0.09655**	**0.04267**	**0.04**	**Yes**	**8**	**0.06961**	**0.02542**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	BGWC-22	0.02679	0.01816	0.04	No	28	0.02248	0.00924	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02301	0.01417	0.04	No	28	0.0195	0.009989	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0078	0.0057	0.04	No	29	0.007334	0.002891	10.34	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0167	0.00132	0.04	No	28	0.008731	0.007638	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-32	0.03	0.00116	0.04	No	16	0.0282	0.00721	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	17	0.02314	0.01275	76.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01915	0.01259	0.04	No	17	0.01587	0.005233	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	BGWC-36D	0.0028	0.0012	0.04	No	17	0.003401	0.004441	11.76	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-38D	0.013	0.004245	0.04	No	13	0.008622	0.005886	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-40	0.002	0.00084	0.04	No	13	0.001653	0.0005435	69.23	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-43D	0.02579	0.01829	0.04	No	12	0.02204	0.004778	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.007986	0.004666	0.04	No	10	0.006326	0.001861	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0015	0.04	No	10	0.01582	0.01495	50	None	No	0.011	NP (normality)
Lithium (mg/L)	BGWC-51	0.03	0.0014	0.04	No	12	0.01827	0.01451	58.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-52	0.03	0.00105	0.04	No	12	0.009255	0.01256	25	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-7	0.03	0.000796	0.04	No	6	0.02072	0.01441	66.67	None	No	0.0155	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	26	0.0001943	0.00002883	96.15	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	26	0.0001945	0.00002138	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	25	0.0001908	0.00002798	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	26	0.0001895	0.00003502	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	26	0.000188	0.00003539	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00018	0.002	No	19	0.0001942	0.00001465	84.21	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	26	0.0001942	0.00002192	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002328	0.0001523	0.002	No	26	0.0002212	0.00007328	15.38	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	26	0.0001953	0.00002373	96.15	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	26	0.0001888	0.00003691	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	26	0.0001948	0.00002628	96.15	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	25	0.0002004	0.000002	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	26	0.0001898	0.00003683	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00013	0.002	No	26	0.0001855	0.00004303	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.001089	0.0002827	0.002	No	27	0.001006	0.001341	14.81	None	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	26	0.0001922	0.00003119	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.0001	0.002	No	26	0.000162	0.00005962	69.23	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	16	0.0001931	0.00001887	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	16	0.0001937	0.00001746	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	16	0.0001937	0.00001746	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.00018	0.002	No	16	0.0001962	0.00001088	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00026	0.00012	0.002	No	14	0.0002236	0.0001094	64.29	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-43D	0.0002	0.00015	0.002	No	12	0.0001958	0.00001443	91.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0033	0.00016	0.002	No	12	0.001077	0.00149	41.67	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWC-52	0.0002	0.00019	0.002	No	12	0.0001975	0.000006216	83.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7	0.001185	0.00007126	0.002	No	6	0.0006367	0.0004338	16.67	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	BGWC-7	0.011	0.0099	0.1	No	28	0.0104	0.00227	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.01	0.0013	0.1	No	28	0.005196	0.004092	39.29	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-9	0.003361	0.002661	0.1	No	27	0.003011	0.0007345	3.704	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-10	0.003714	0.002987	0.1	No	28	0.003425	0.0009013	3.571	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-14A	0.01	0.0013	0.1	No	19	0.003897	0.003816	26.32	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	28	0.009651	0.001846	96.43	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.028	0.013	0.1	No	28	0.02532	0.01832	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002864	0.001806	0.1	No	27	0.00417	0.003032	18.52	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.05338	0.0419	0.1	No	31	0.04909	0.01397	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-23	0.01231	0.01051	0.1	No	30	0.01062	0.00291	0	None	x^4	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0027	0.1	No	31	0.00686	0.003899	58.06	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-25	0.01	0.0064	0.1	No	28	0.007981	0.003356	71.43	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.009371	0.004517	0.1	No	30	0.008817	0.006718	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	17	0.009431	0.002345	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.004066	0.003434	0.1	No	18	0.00375	0.0005216	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.00098	0.1	No	17	0.002665	0.003511	17.65	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03517	0.02883	0.1	No	18	0.032	0.005247	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01231	0.008403	0.1	No	18	0.01036	0.003228	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1113	0.07324	0.1	No	16	0.09225	0.02922	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.0014	0.1	No	14	0.008092	0.003794	78.57	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**BGWC-43D**	**0.1888**	**0.1365**	**0.1**	**Yes**	**15**	**0.1627**	**0.03863**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	BGWC-49D	0.006421	0.004699	0.1	No	10	0.00556	0.0009652	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.005074	0.002526	0.1	No	10	0.0038	0.001428	10	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	12	0.009392	0.002107	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.005565	0.003442	0.1	No	12	0.00455	0.001543	8.333	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	26	0.004623	0.001332	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	25	0.003044	0.001943	48	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	26	0.004823	0.0009021	96.15	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	19	0.004811	0.0008259	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	26	0.003527	0.001625	50	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	26	0.00441	0.001436	84.62	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0024	0.05	No	26	0.004496	0.001228	84.62	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	26	0.00437	0.001516	84.62	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 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	26	0.004727	0.0008146	88.46	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	25	0.004645	0.001236	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.005	0.0026	0.05	No	26	0.004438	0.002088	69.23	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.005	0.0034	0.05	No	26	0.005054	0.002772	80.77	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.006302	0.0035	0.05	No	27	0.005796	0.005294	11.11	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.008929	0.00541	0.05	No	26	0.007169	0.003611	7.692	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.00008	0.05	No	16	0.004692	0.00123	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.0013	0.05	No	16	0.004466	0.001475	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.0001	0.05	No	16	0.004694	0.001225	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-35D	0.0078	0.0034	0.05	No	16	0.005075	0.0008291	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01272	0.007945	0.05	No	16	0.01033	0.003667	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.0039	0.05	No	14	0.004907	0.001987	50	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-40	0.008978	0.005565	0.05	No	14	0.007271	0.00241	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-43D	0.0055	0.0019	0.05	No	12	0.0041	0.001507	58.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-49D	0.005	0.005	0.05	No	10	0.00465	0.001107	80	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01088	0.004787	0.05	No	12	0.007833	0.003882	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	12	0.003608	0.001498	41.67	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	28	0.0006633	0.0004125	57.14	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	27	0.0008157	0.0003521	77.78	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.0005	0.00009	0.002	No	28	0.0004244	0.0001653	82.14	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.0005389	0.0003253	0.002	No	19	0.0004321	0.0001823	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00025	0.0002	0.002	No	28	0.0002475	0.00007792	7.143	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.0005	0.00009	0.002	No	28	0.0003593	0.0001958	64.29	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.0005	0.00019	0.002	No	28	0.0004425	0.000145	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.0005	0.00021	0.002	No	28	0.0003991	0.0001796	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	28	0.0008904	0.0002736	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008525	0.0006553	0.002	No	28	0.0007539	0.000211	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00038	0.002	No	28	0.0007368	0.0003515	60.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0004939	0.000338	0.002	No	29	0.00055	0.0002533	17.24	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-30	0.0003705	0.0001774	0.002	No	28	0.0004927	0.000207	39.29	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-32	0.0005	0.00014	0.002	No	17	0.0003491	0.0001821	52.94	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-34D	0.0005	0.000089	0.002	No	17	0.0004758	0.00009968	94.12	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.0005	0.00026	0.002	No	17	0.000424	0.0001458	76.47	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.001	0.00018	0.002	No	17	0.0003929	0.0003515	23.53	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-38D	0.0013	0.00018	0.002	No	14	0.0009104	0.0006491	50	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-40	0.0005	0.00014	0.002	No	14	0.0004743	0.00009621	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003154	0.001694	0.002	No	13	0.002462	0.001093	0	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-51	0.0005	0.0004	0.002	No	12	0.0004667	0.00008876	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-52	0.0005	0.00023	0.002	No	12	0.0004067	0.0001196	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-7	0.0004833	0.0002008	0.002	No	6	0.0006633	0.0003757	50	Kaplan-Meier	ln(x)	0.01	Param.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:34 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.0009632**	**279**	**101**	**Yes**	**28**	**3.571**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.00271**	**190**	**117**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.0056**	**198**	**101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

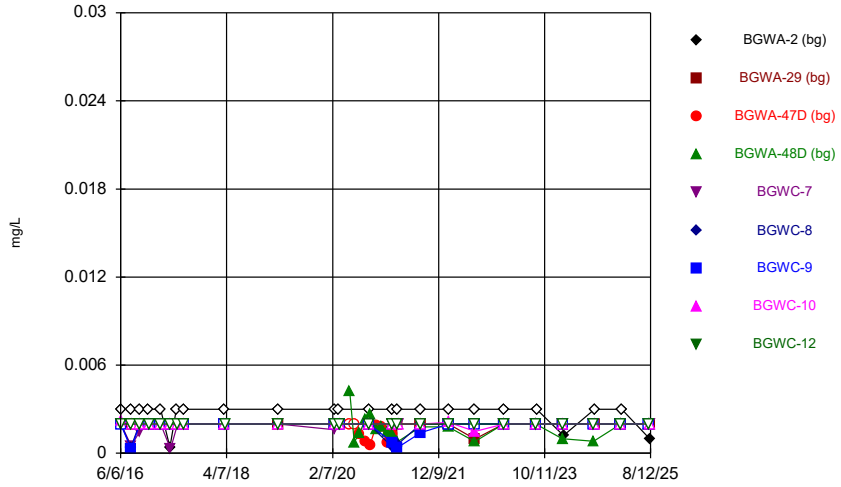
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:34 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	59	101	No	28	57.14	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	55	101	No	28	64.29	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	34	58	No	19	78.95	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0	-10	-58	No	19	36.84	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWC-34D	-0.0003516	-46	-58	No	19	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	29	106	No	29	89.66	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	16	58	No	19	94.74	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	23	58	No	19	89.47	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BGWC-16**	**0.0009632**	**279**	**101**	**Yes**	**28**	**3.571**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.00271**	**190**	**117**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BGWA-2 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-29 (bg)	0	-83	-101	No	28	67.86	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-47D (bg)	0	-46	-58	No	19	78.95	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-48D (bg)	0	57	58	No	19	63.16	n/a	n/a	0.05	NP
Lithium (mg/L)	**BGWC-20**	**0.0056**	**198**	**101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BGWA-2 (bg)	0	94	106	No	29	58.62	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	3	101	No	28	96.43	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	18	58	No	19	94.74	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.0001085	-4	-58	No	19	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWC-43D	-0.005105	-13	-41	No	15	0	n/a	n/a	0.05	NP

FIGURE A.

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Hollow symbols indicate censored values.

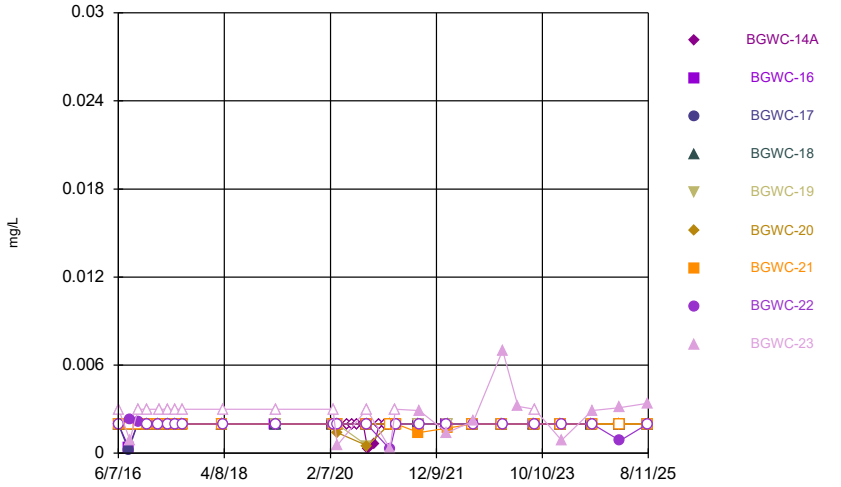
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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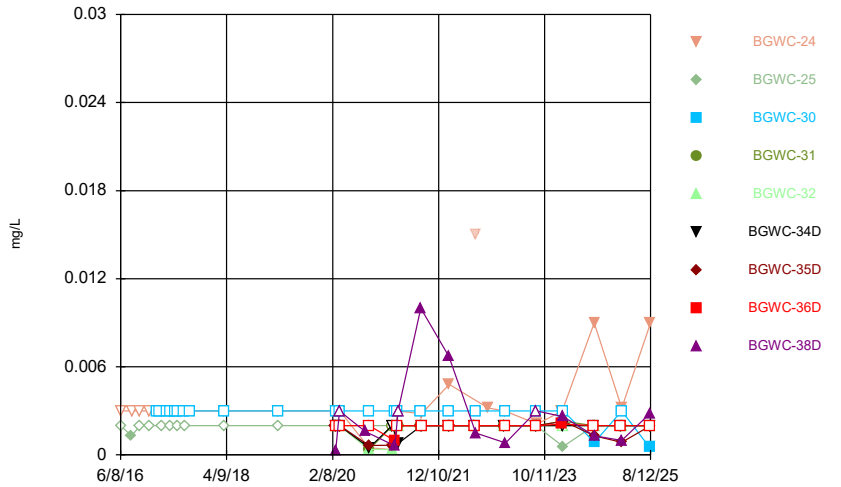
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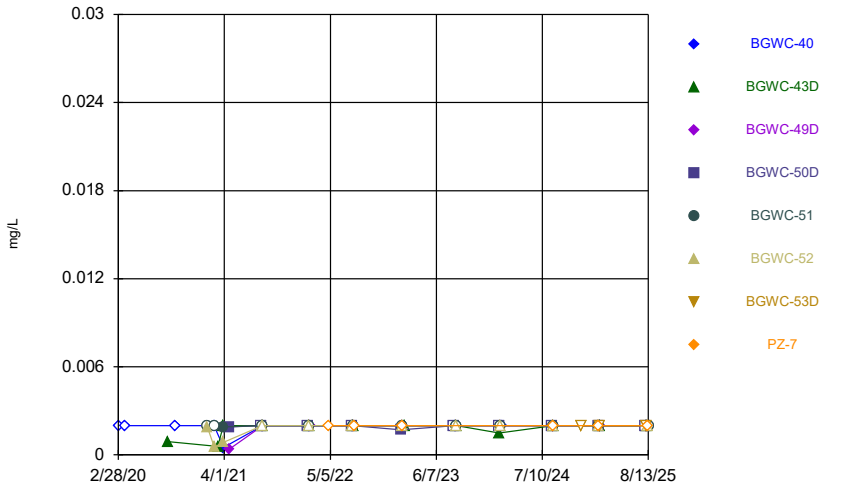
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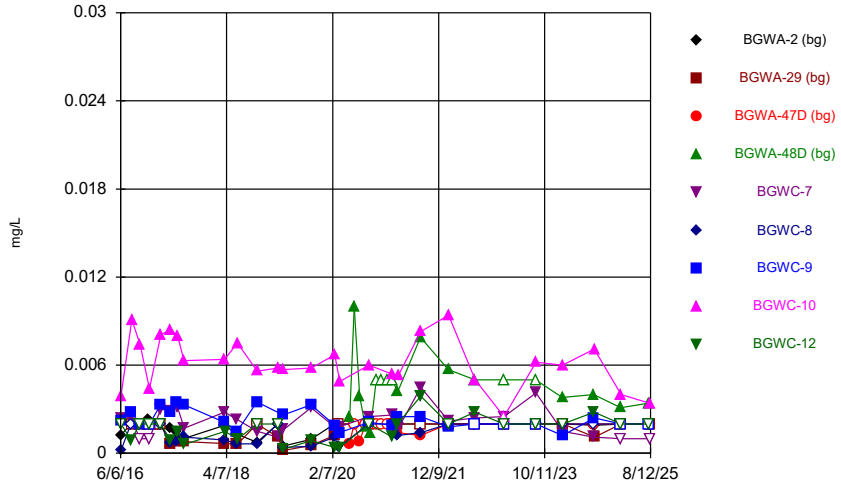
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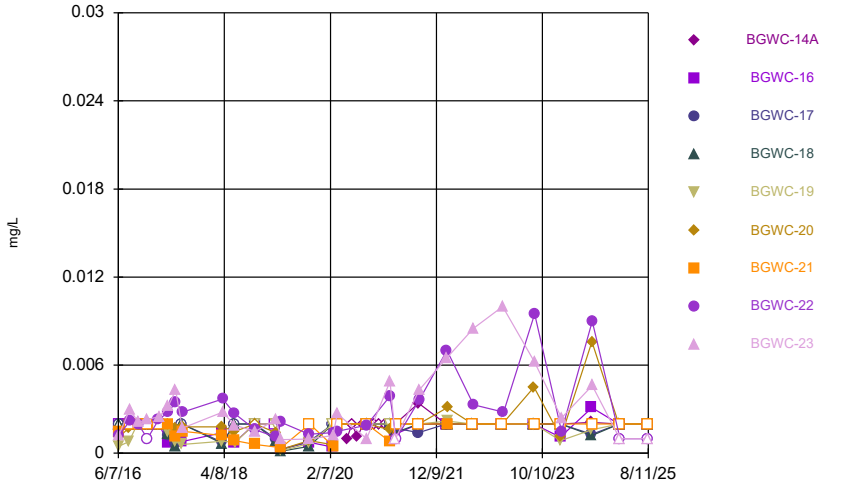
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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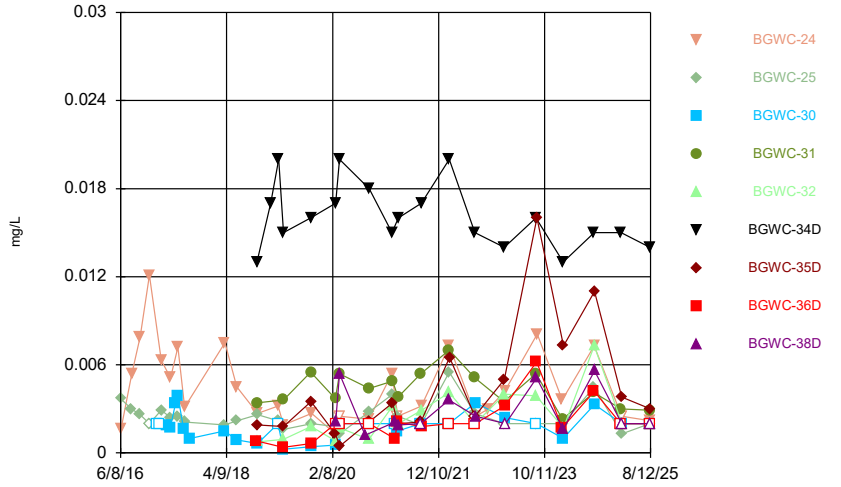
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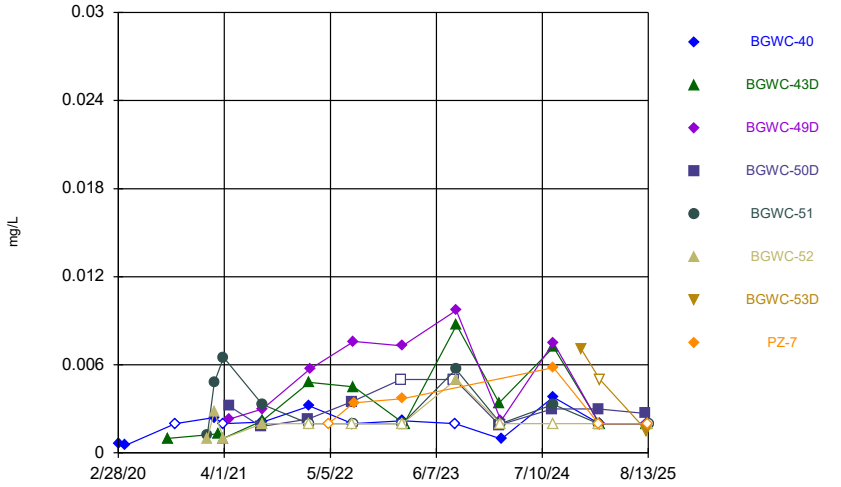
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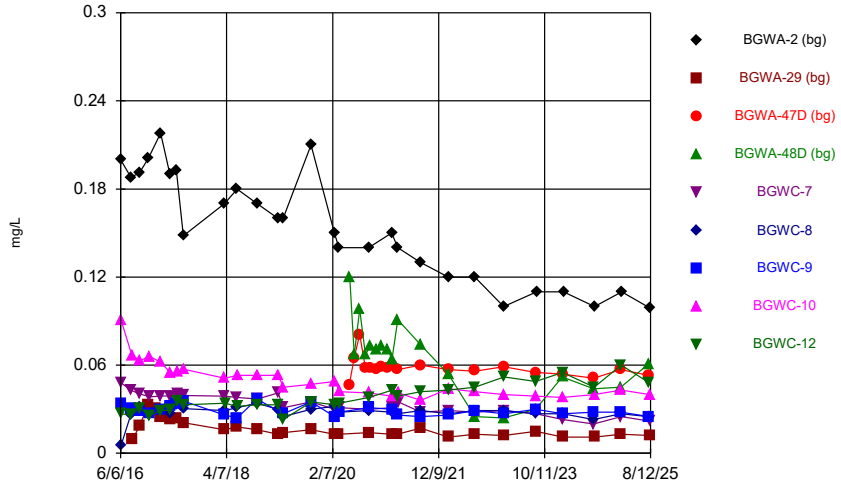
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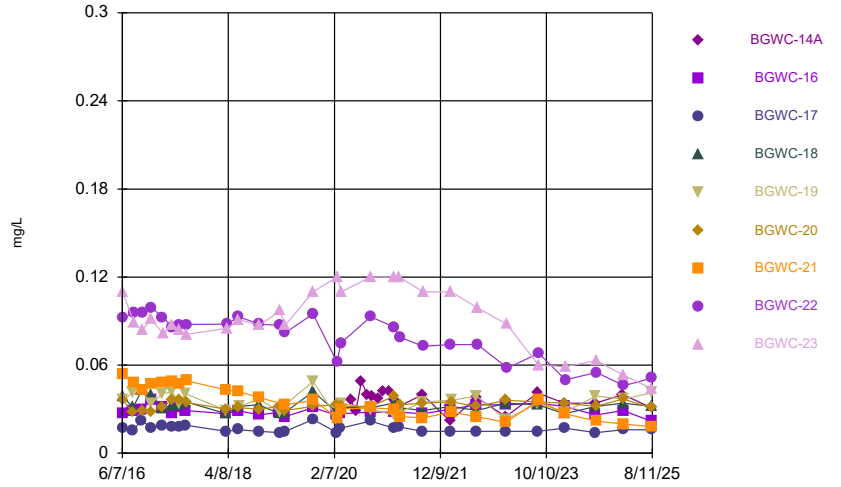
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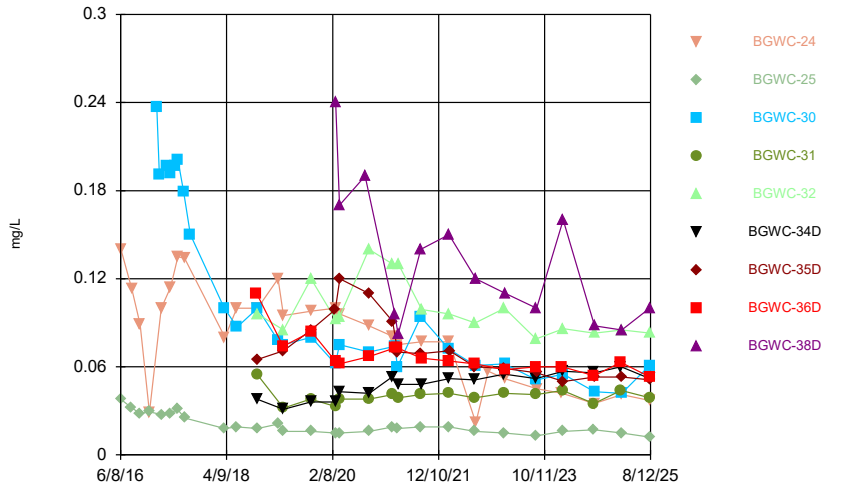
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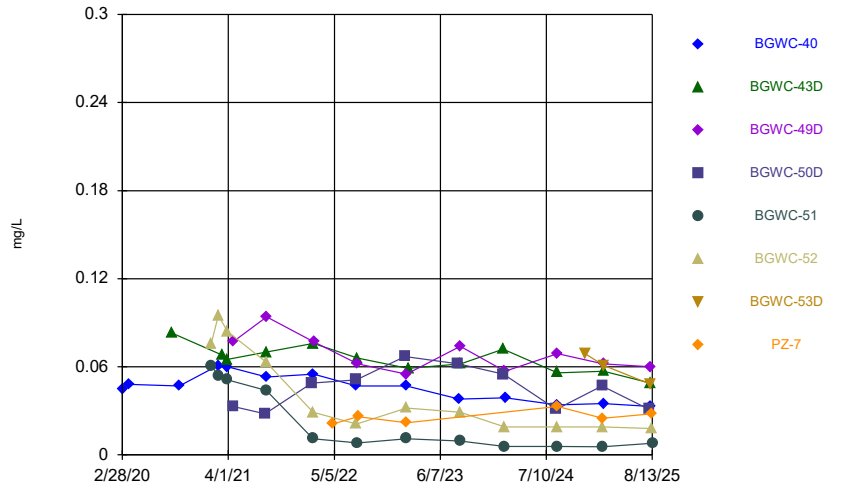
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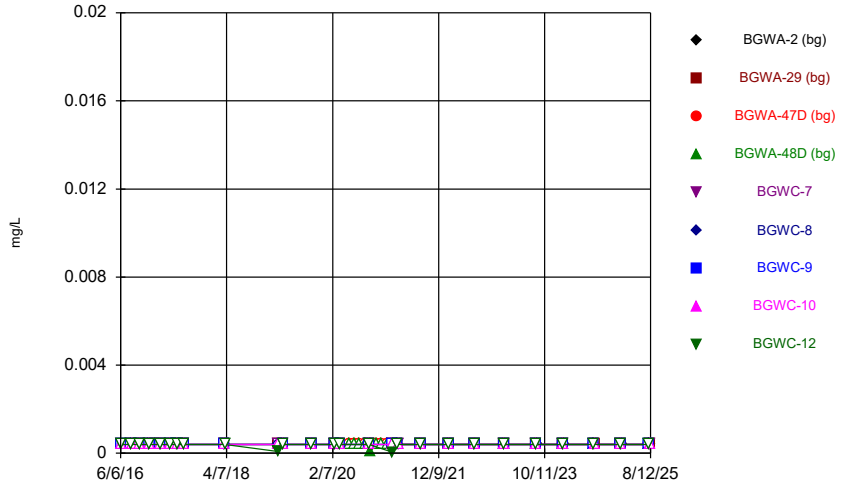
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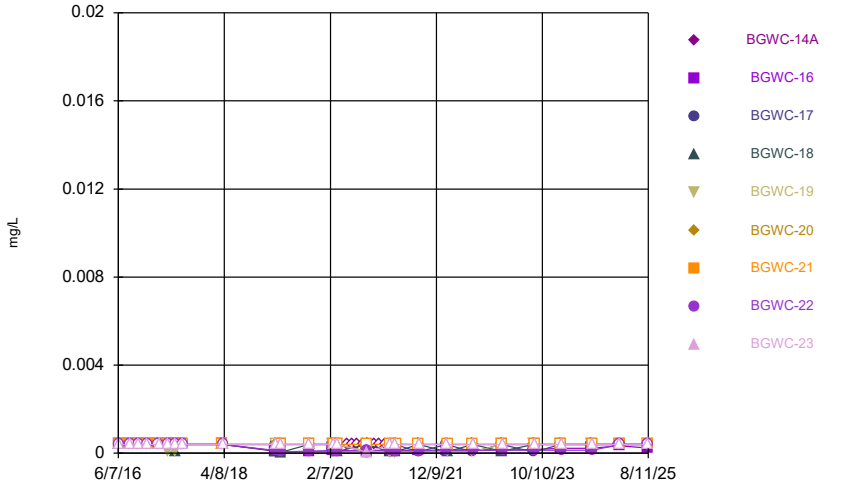
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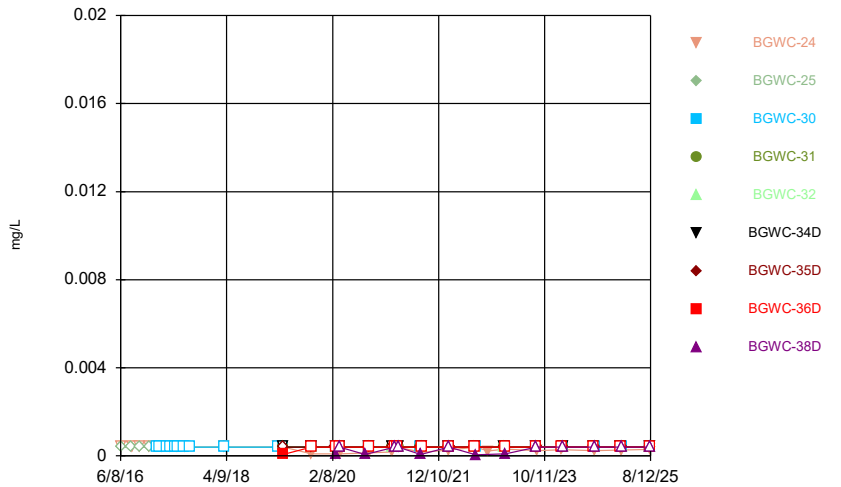
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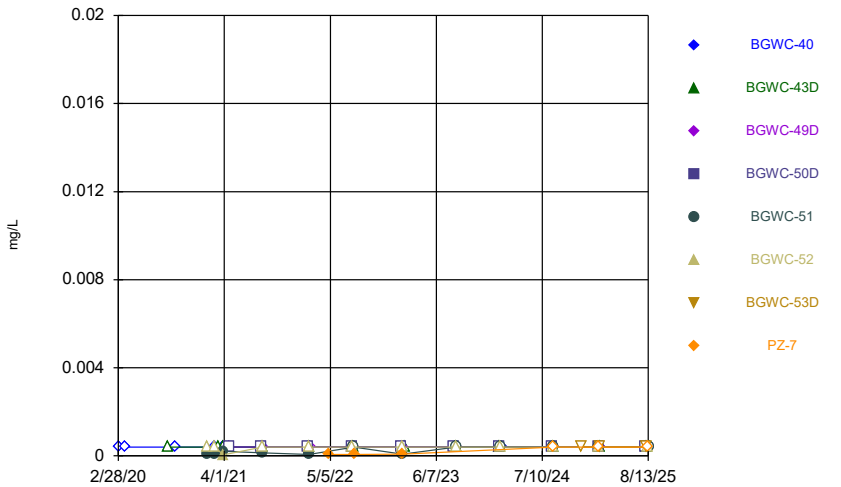
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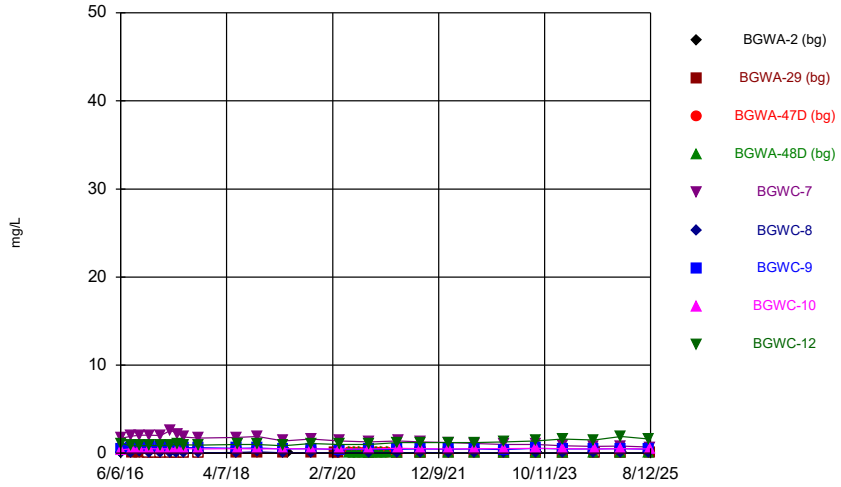
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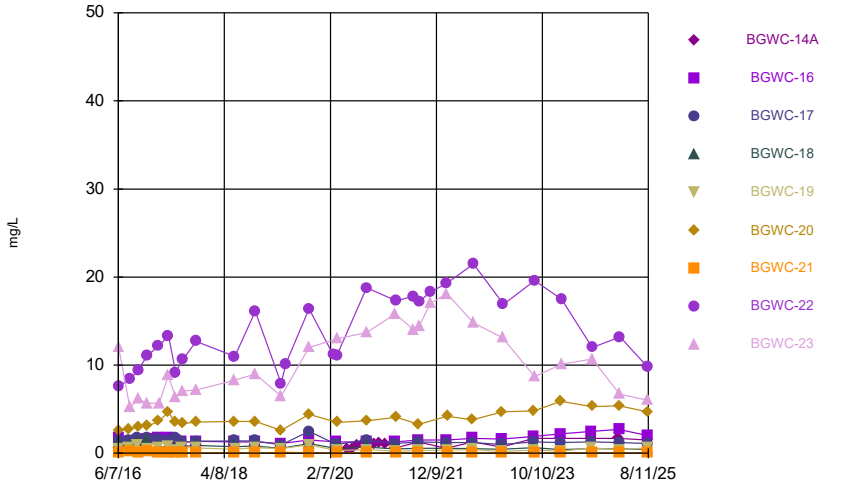
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Constituent: Boron Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

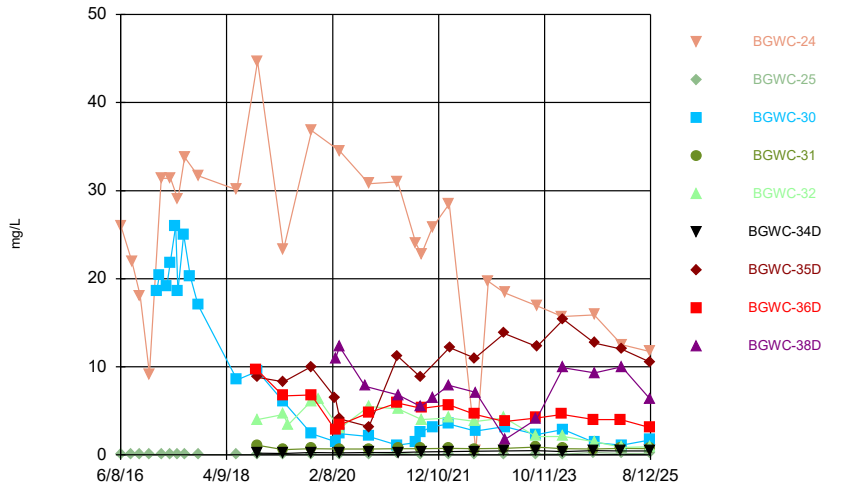
Time Series



Constituent: Boron Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

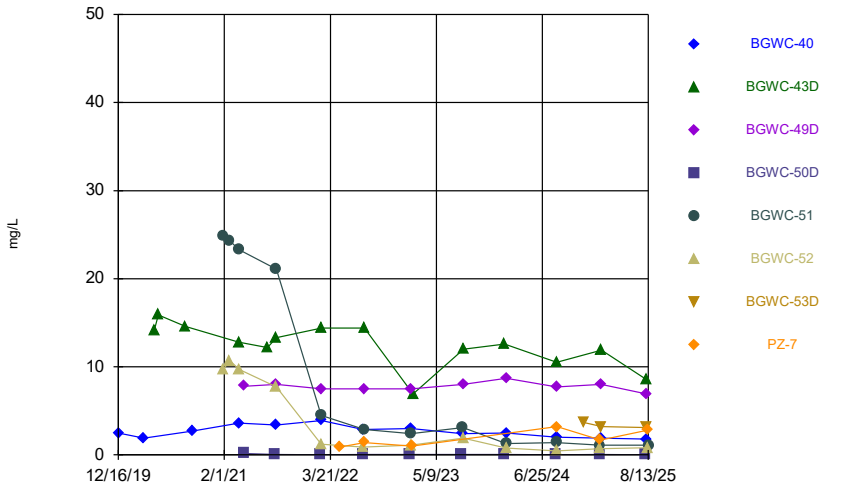
Time Series



Constituent: Boron Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

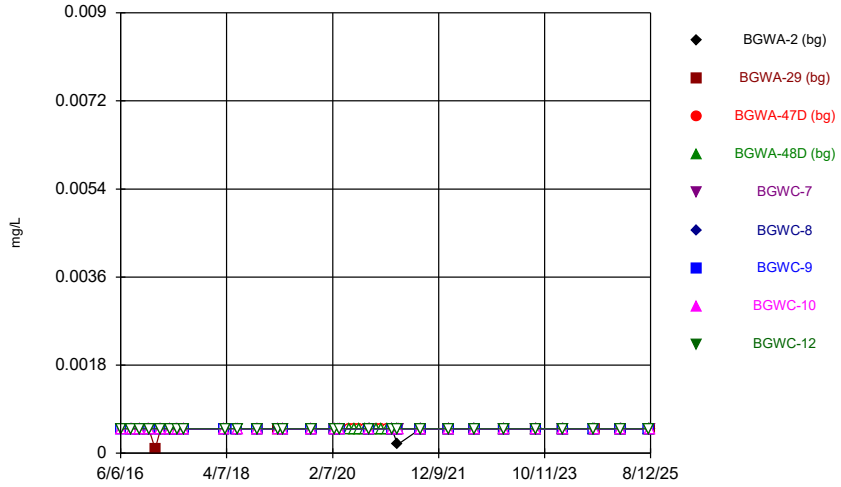
Time Series



Constituent: Boron Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

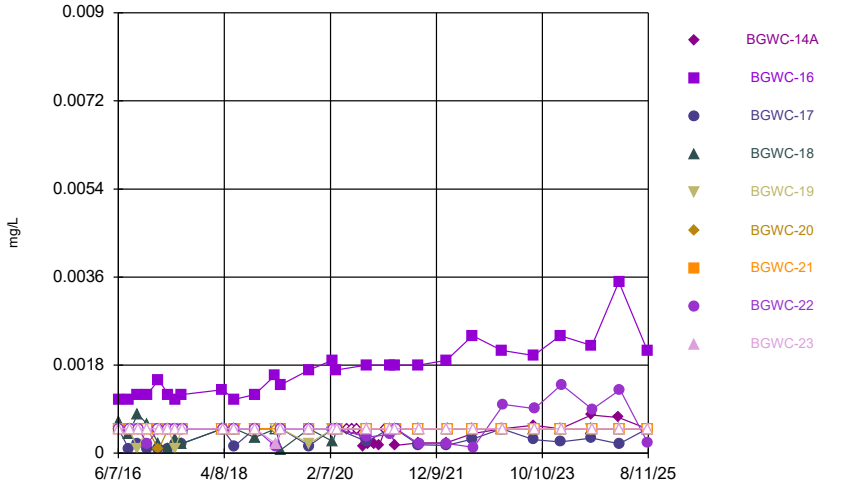
Time Series



Constituent: Cadmium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

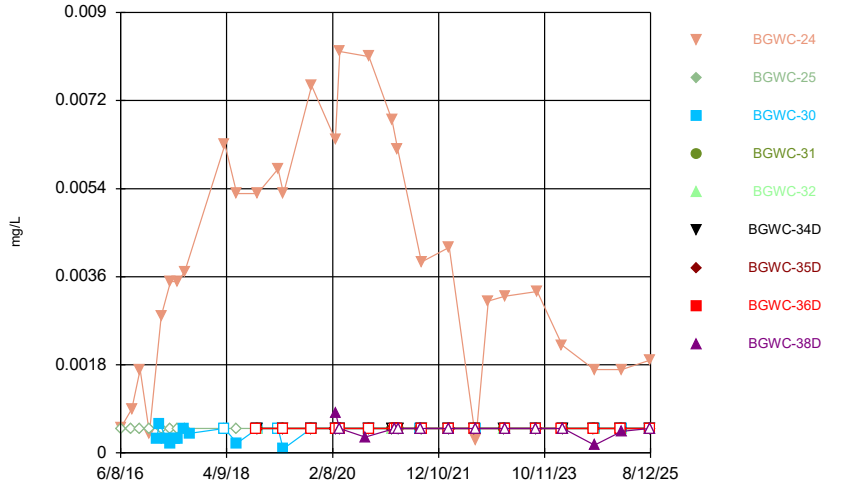
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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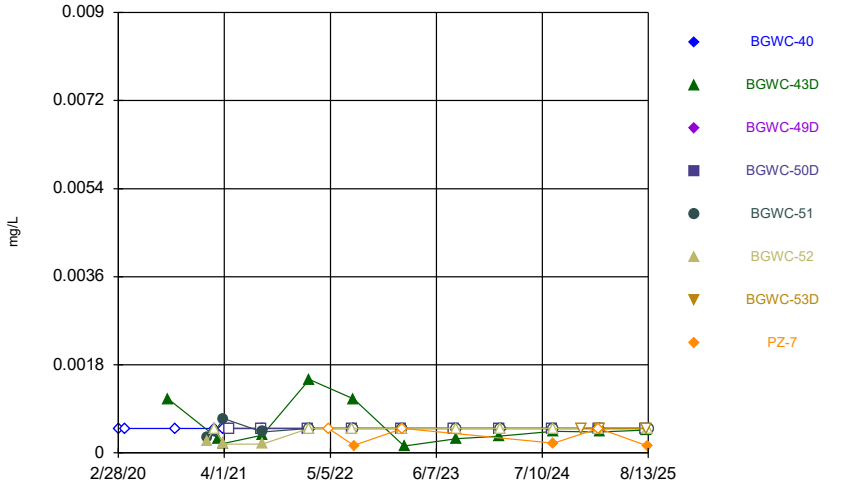
Time Series



Constituent: Cadmium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

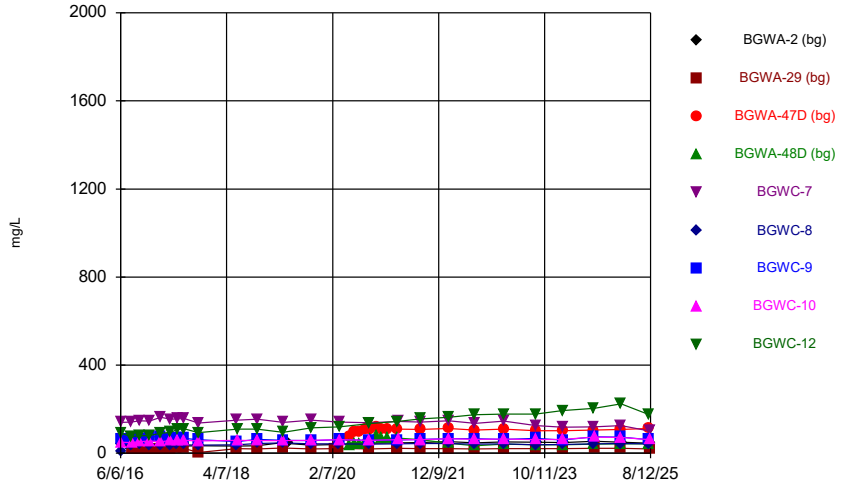
Time Series



Constituent: Cadmium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

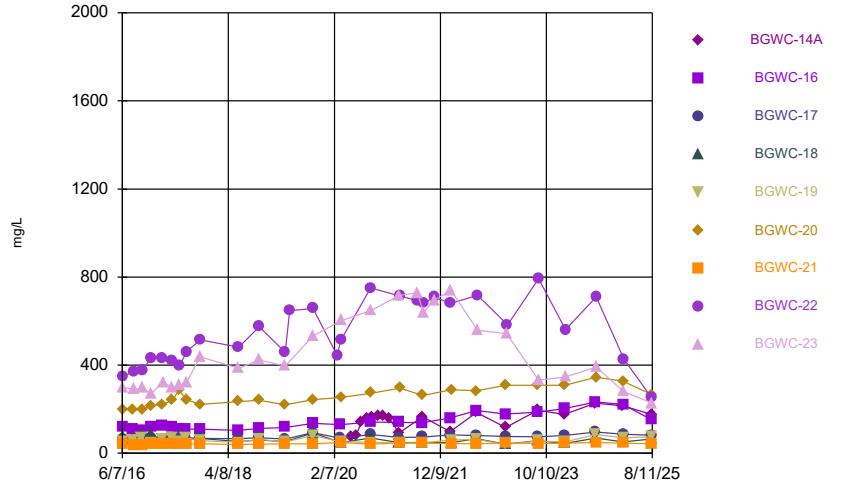
Time Series



Constituent: Calcium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

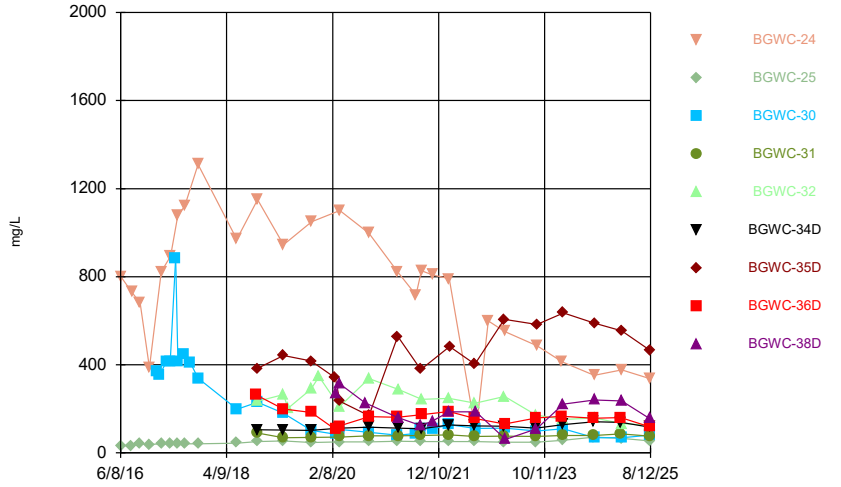
Time Series



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

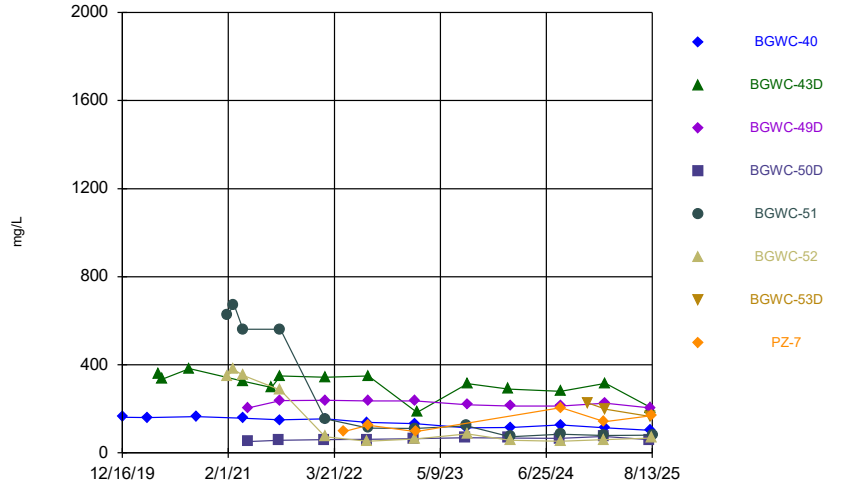
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Constituent: Calcium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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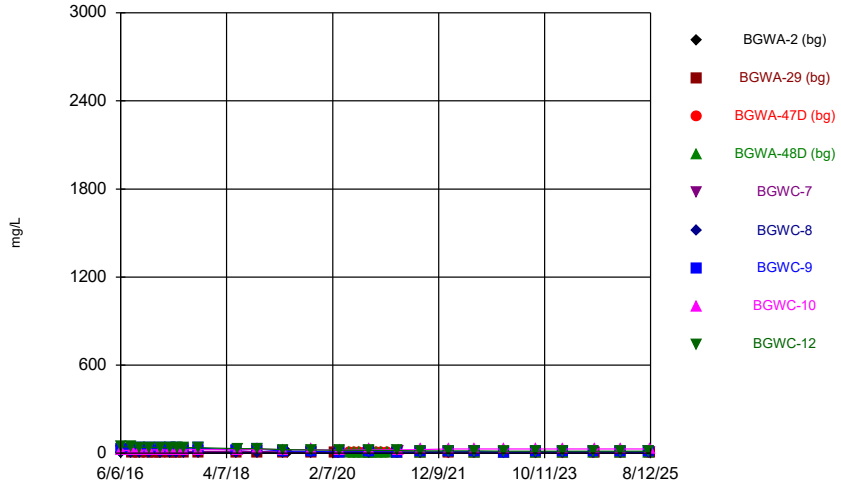
Time Series



Constituent: Calcium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

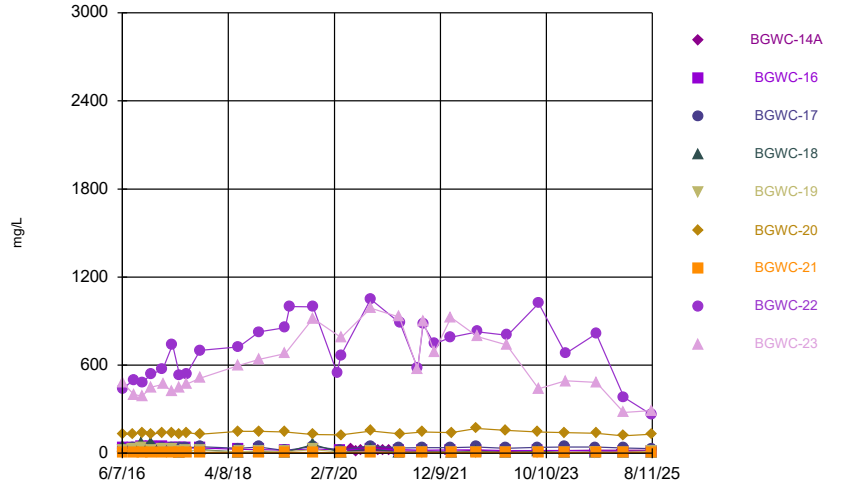
Time Series



Constituent: Chloride Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

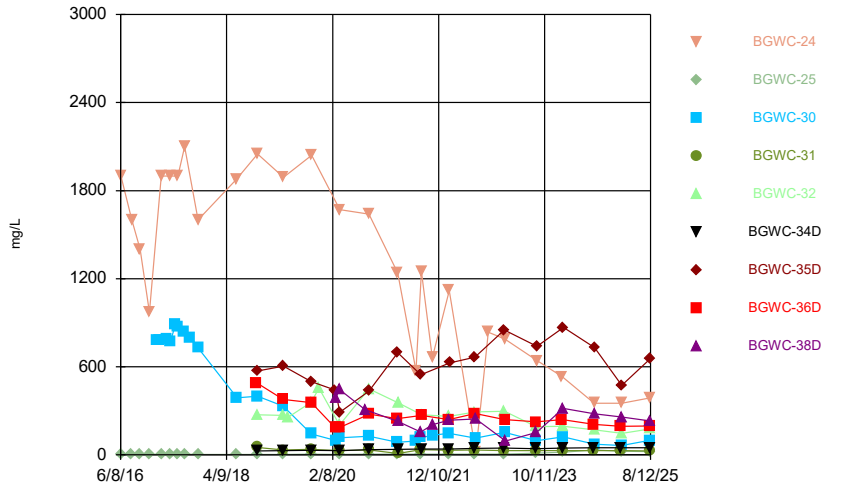
Time Series



Constituent: Chloride Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

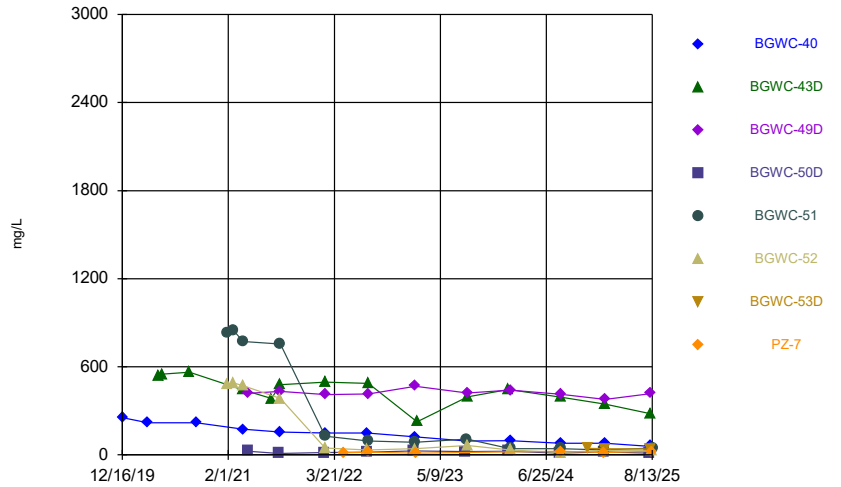
Time Series



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Plant Bowen Client: Southern Company Data: Bowen AP-1

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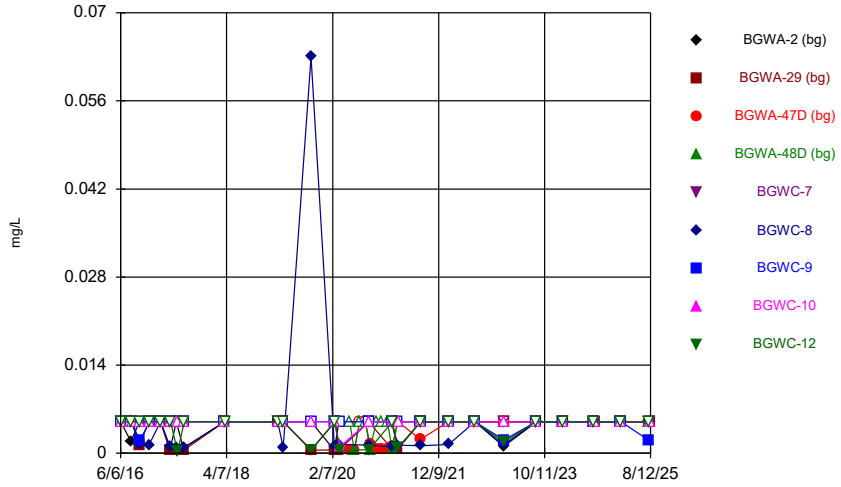
Time Series



Constituent: Chloride Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

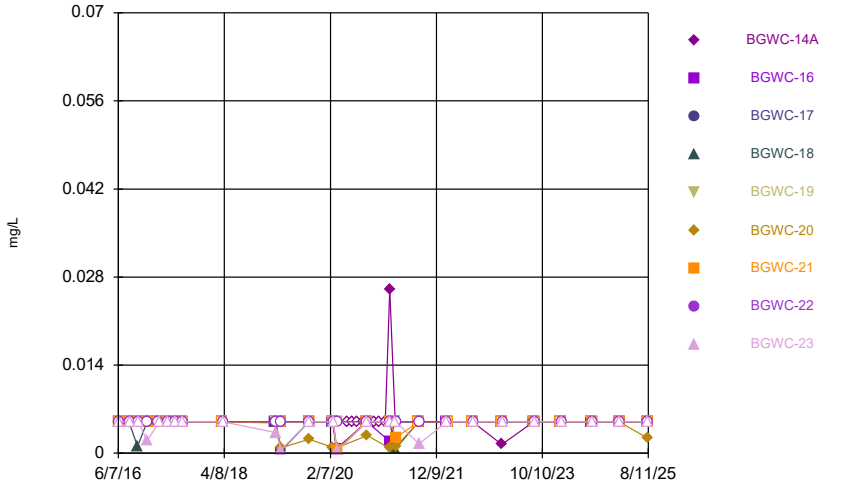
Time Series



Constituent: Chromium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

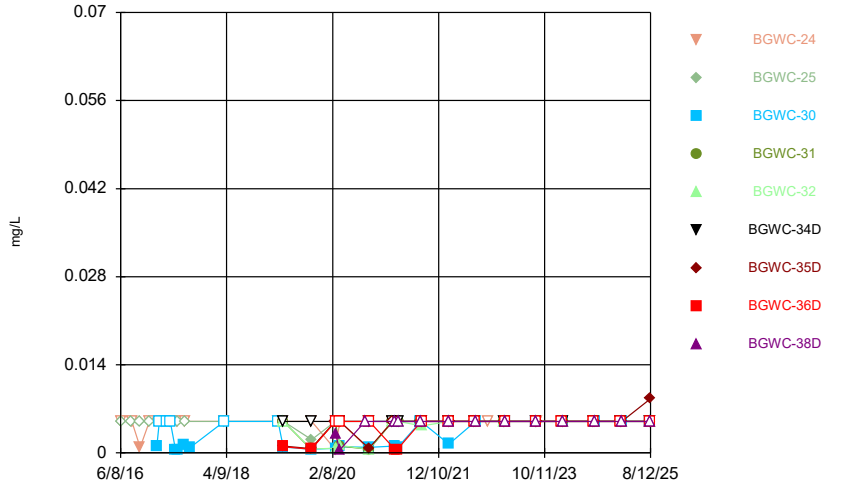
Time Series



Constituent: Chromium Analysis Run 10/28/2025 2:00 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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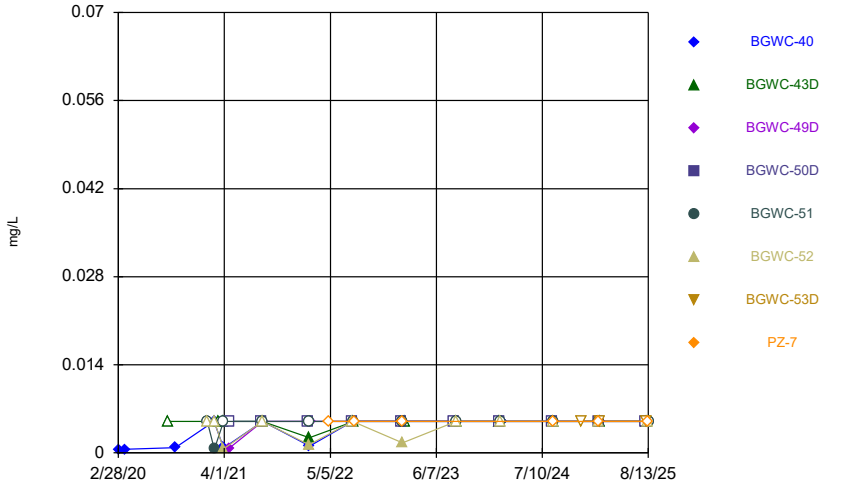
Time Series



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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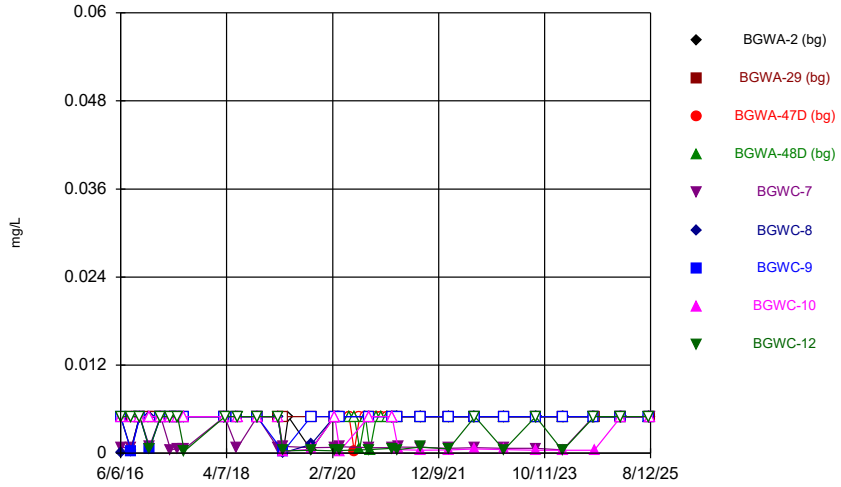
Time Series



Constituent: Chromium Analysis Run 10/28/2025 2:00 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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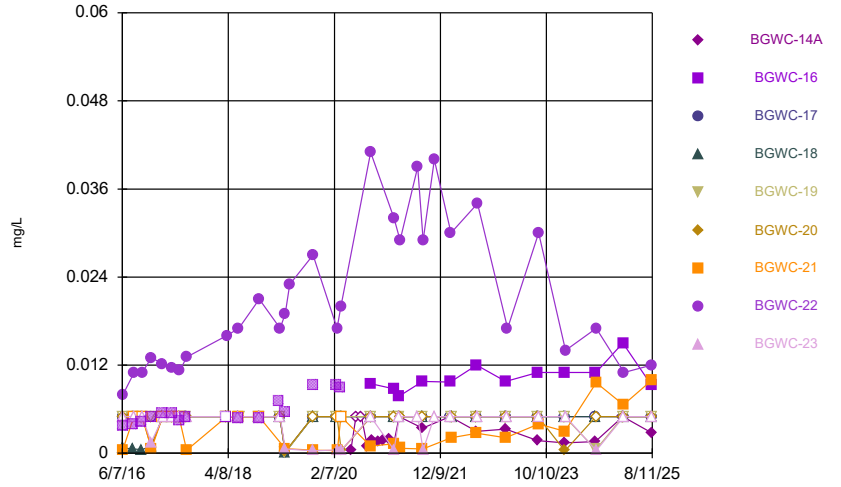
Time Series



Constituent: Cobalt Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

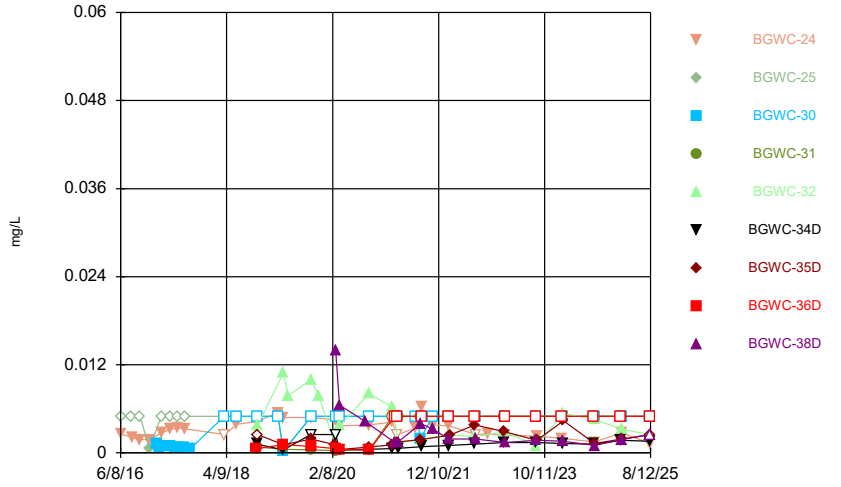
Time Series



Constituent: Cobalt Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

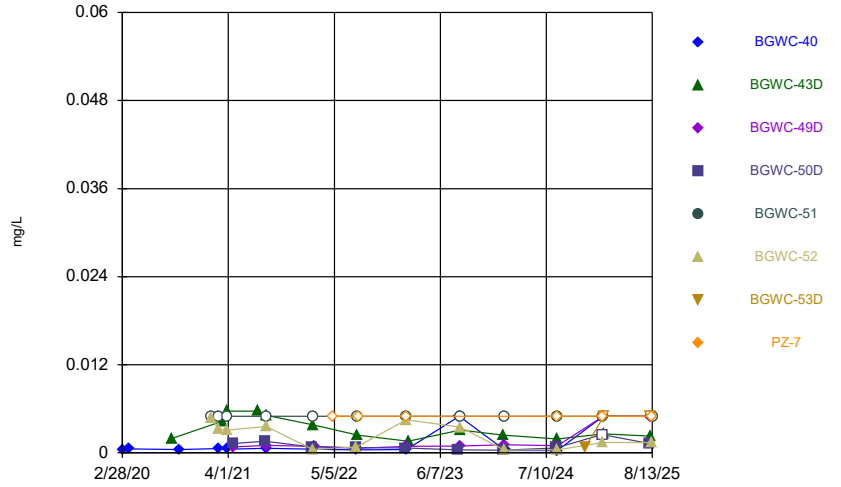
Time Series



Constituent: Cobalt Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

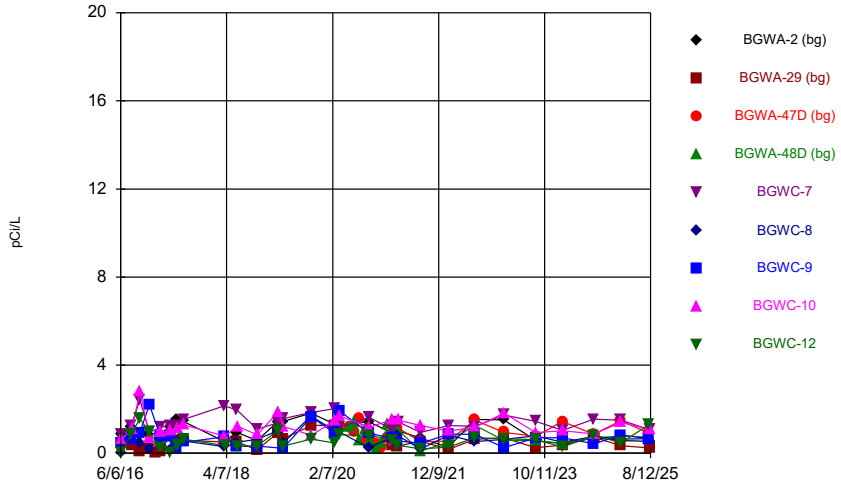
Time Series



Constituent: Cobalt Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

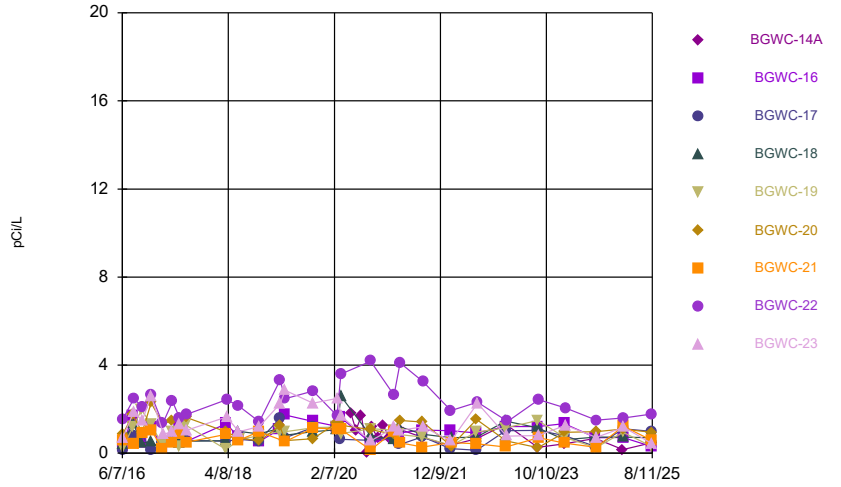
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

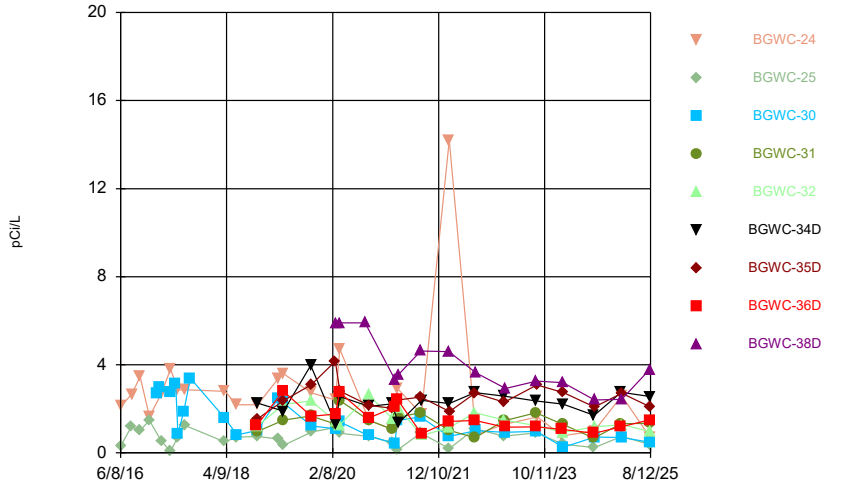
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

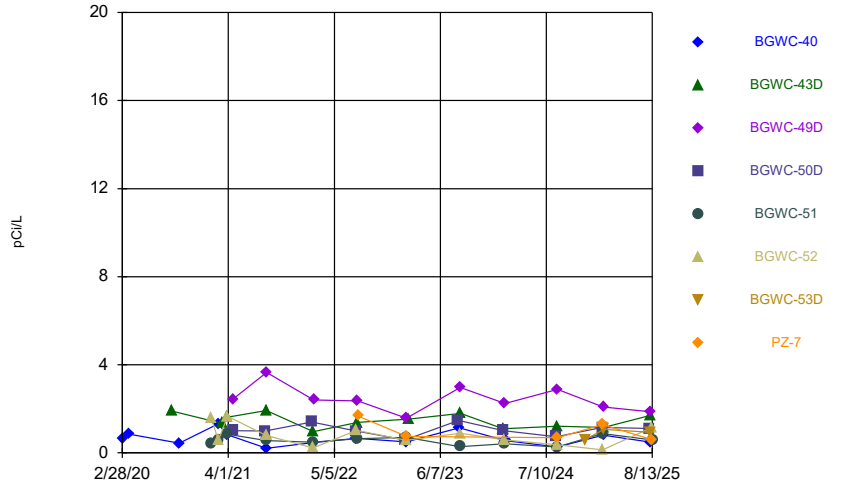
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

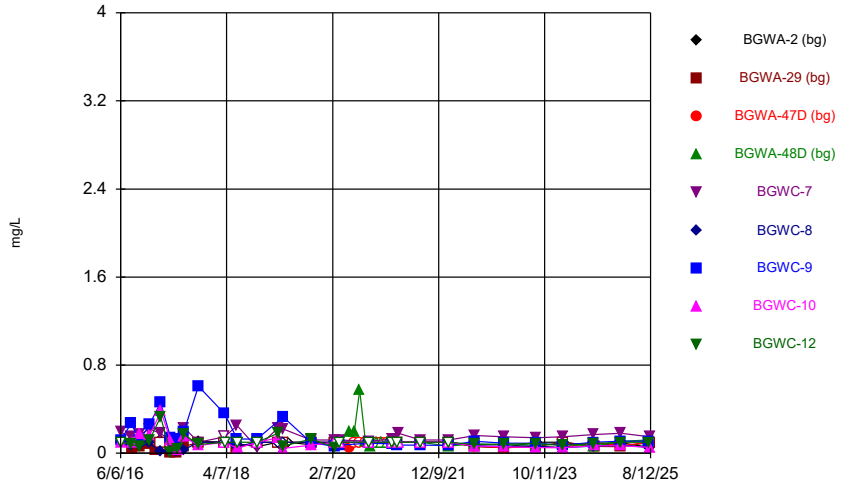
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

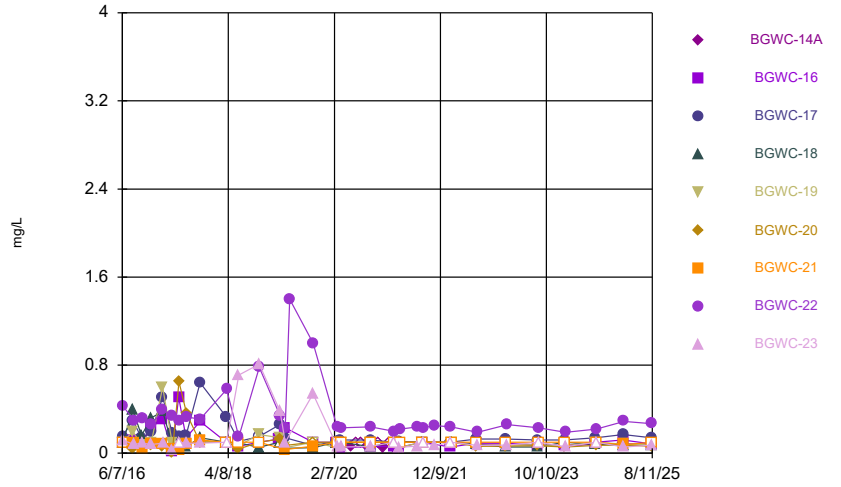
Time Series



Constituent: Fluoride Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

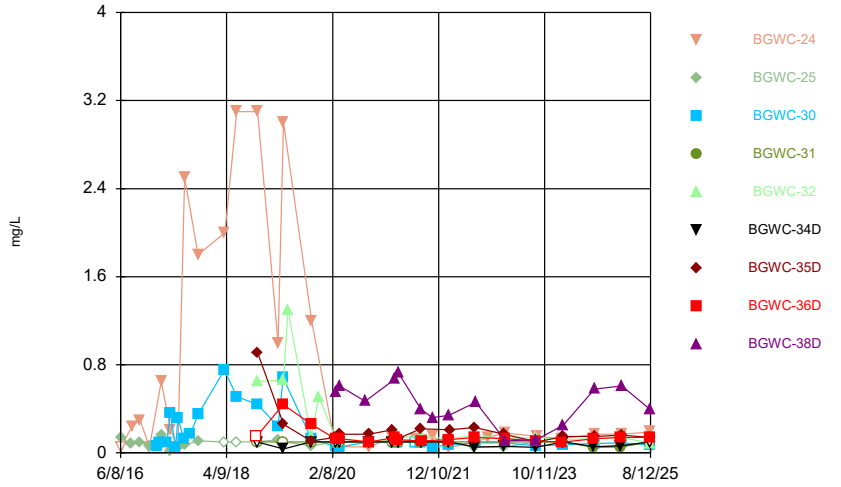
Time Series



Constituent: Fluoride Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

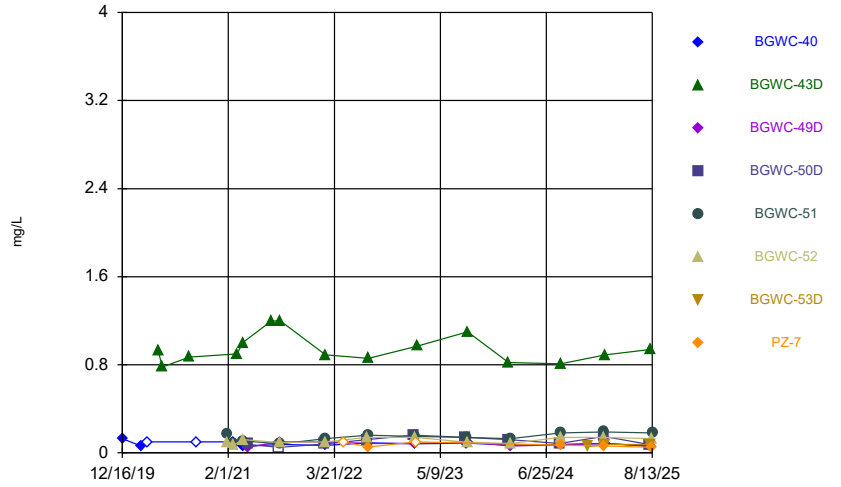
Time Series



Constituent: Fluoride Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

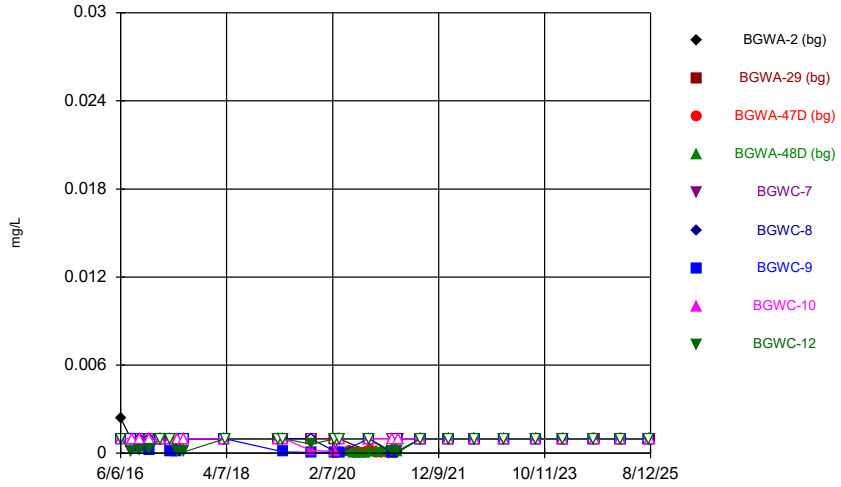
Time Series



Constituent: Fluoride Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

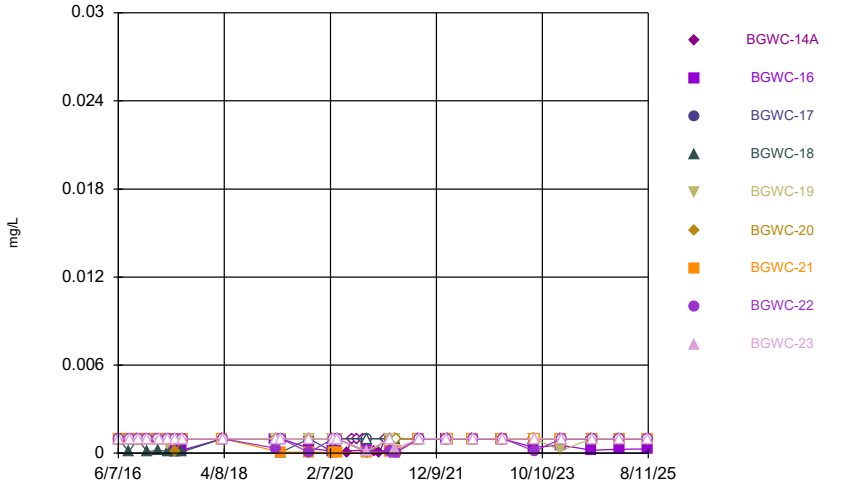
Time Series



Constituent: Lead Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

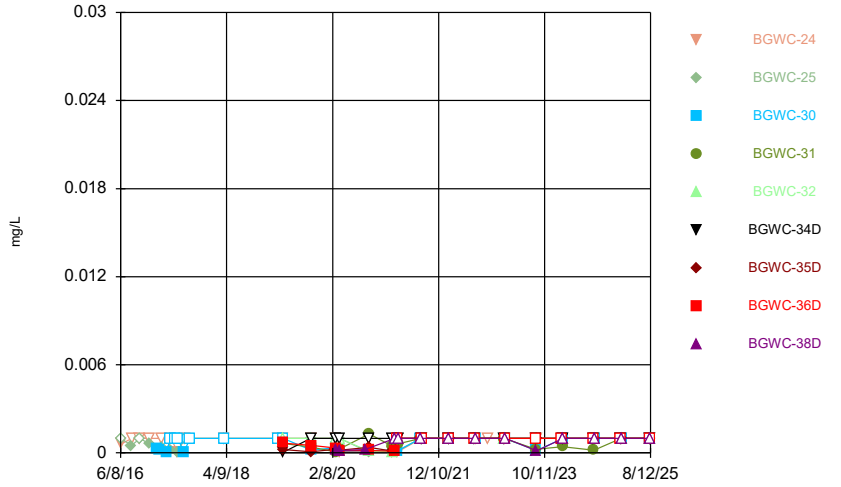
Time Series



Constituent: Lead Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

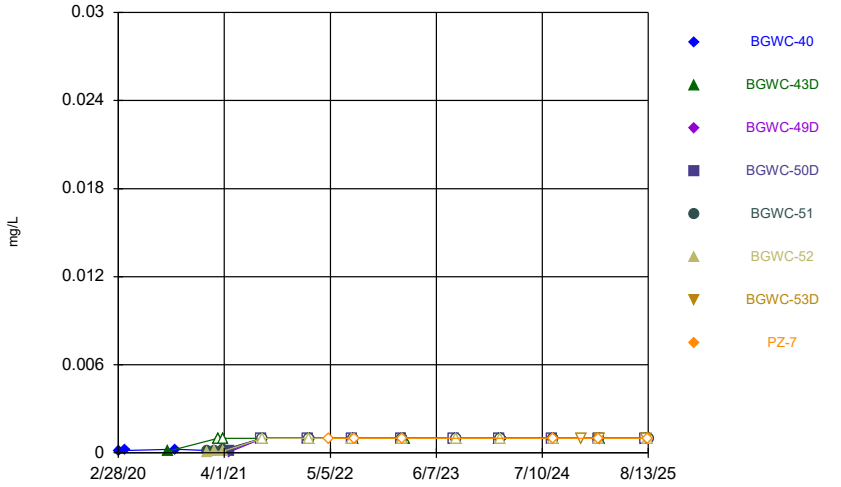
Time Series



Constituent: Lead Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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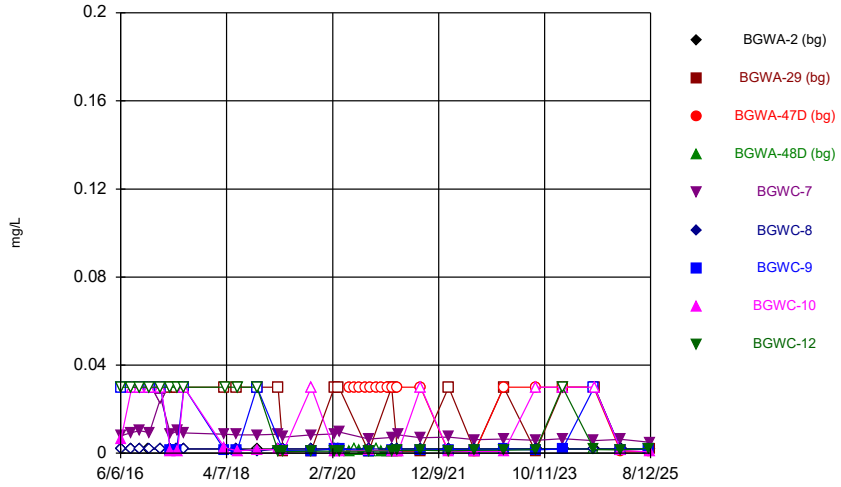
Time Series



Constituent: Lead Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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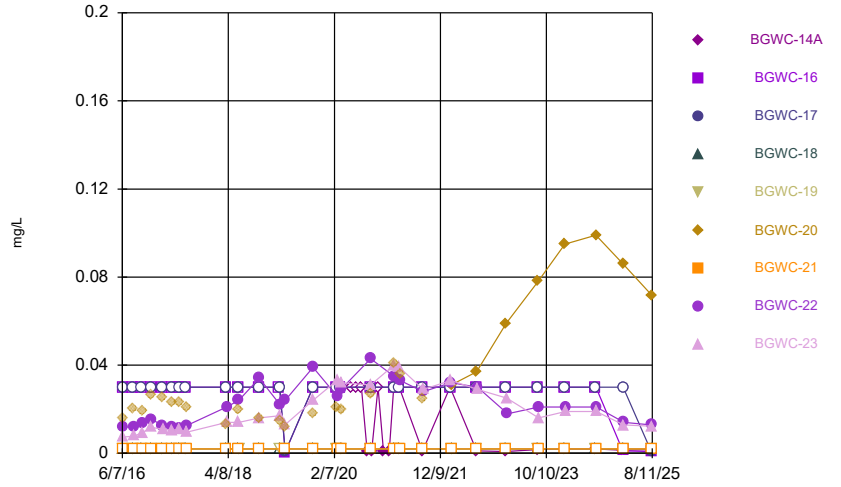
Time Series



Constituent: Lithium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

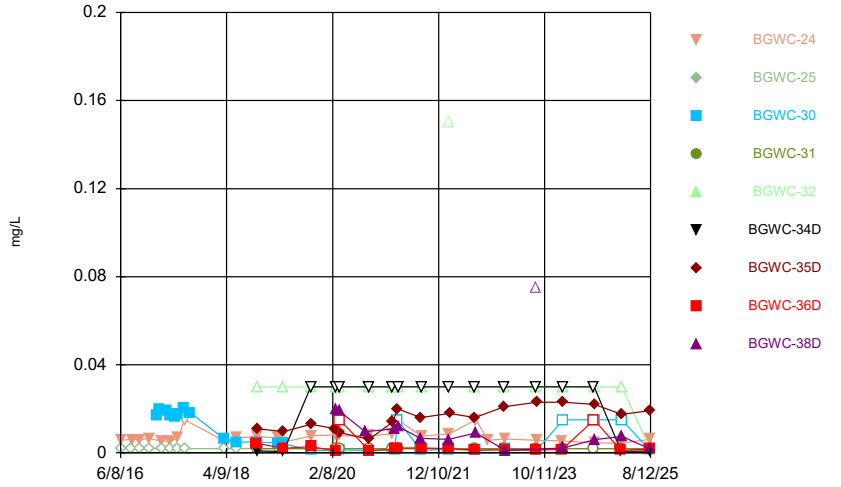
Time Series



Constituent: Lithium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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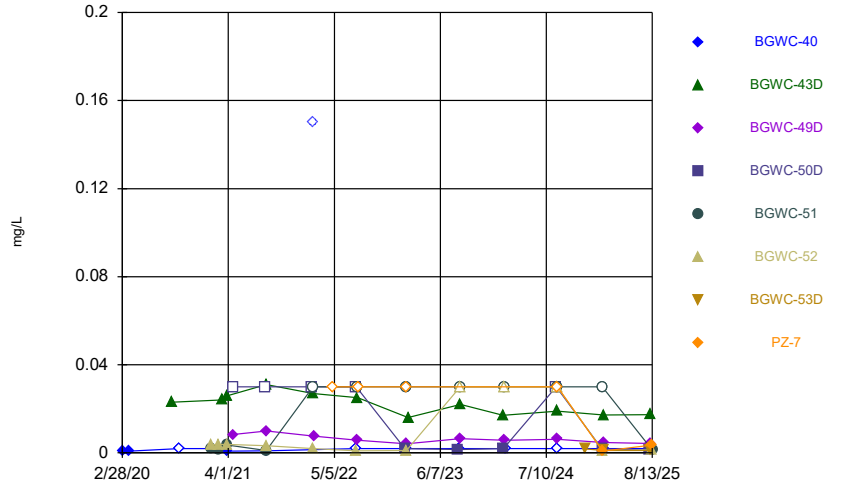
Time Series



Constituent: Lithium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

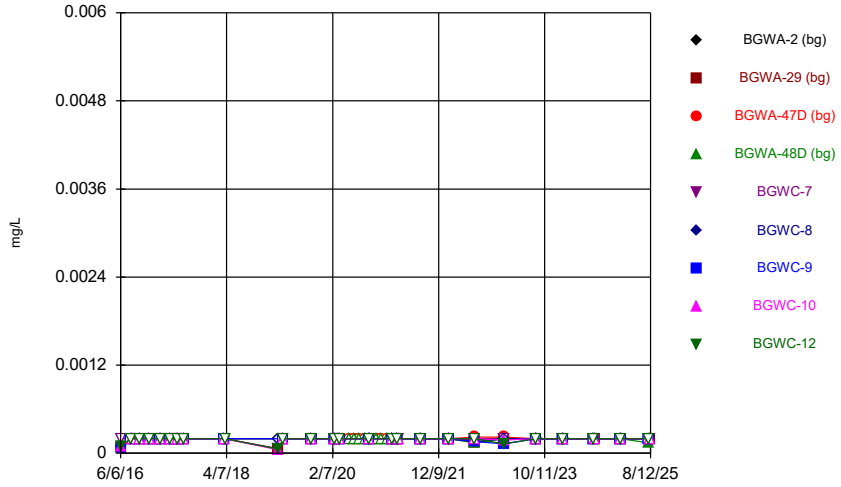
Time Series



Constituent: Lithium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

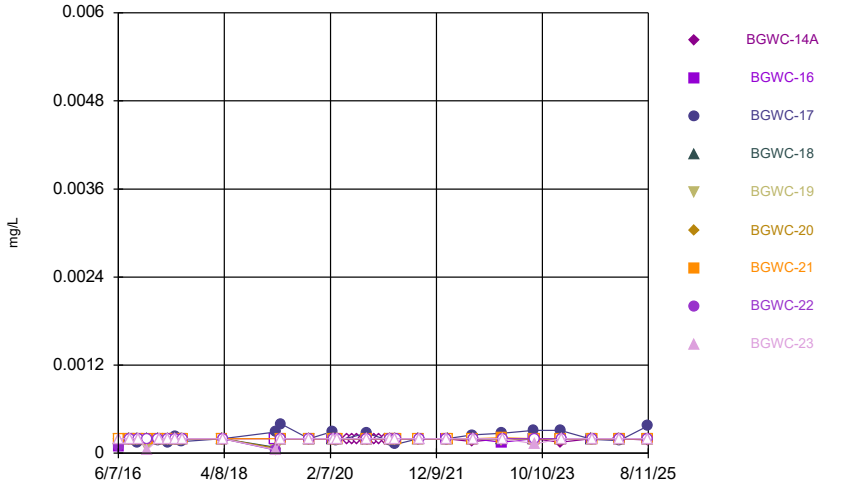
Time Series



Constituent: Mercury Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

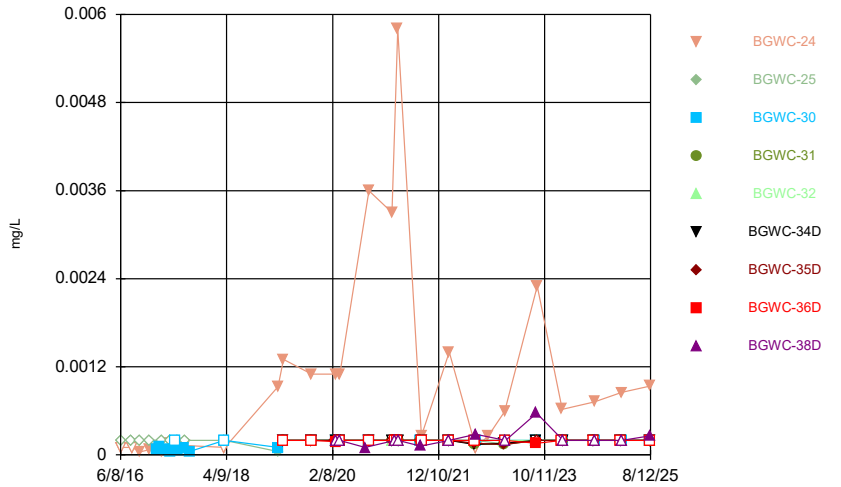
Time Series



Constituent: Mercury Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

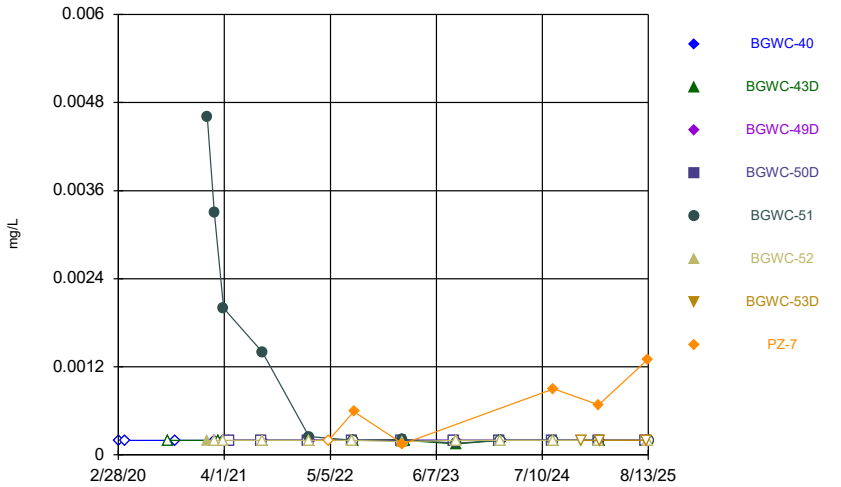
Time Series



Constituent: Mercury Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

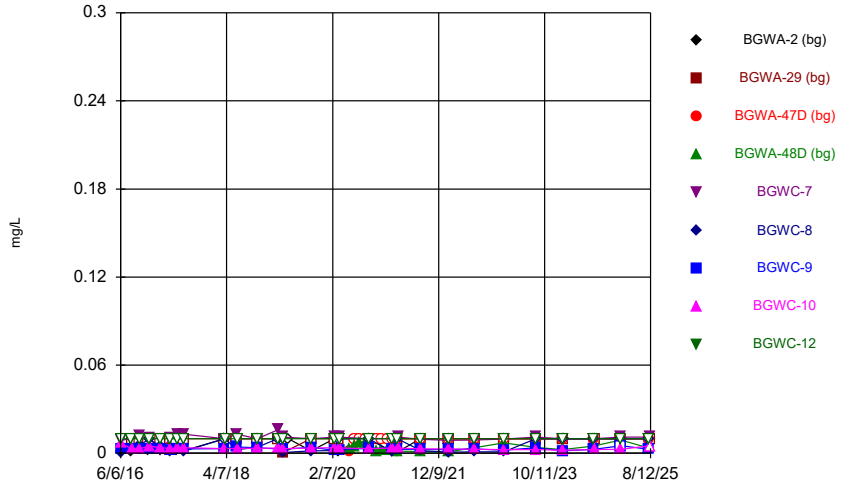
Time Series



Constituent: Mercury Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

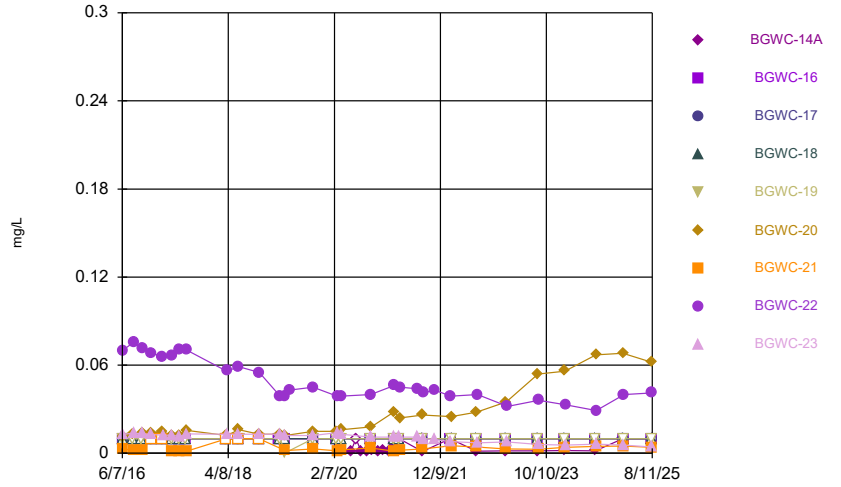
Time Series



Constituent: Molybdenum Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

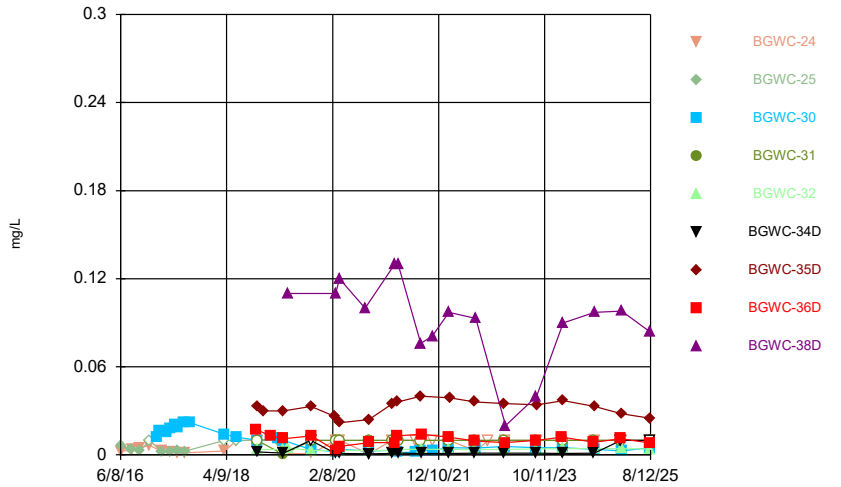
Time Series



Constituent: Molybdenum Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

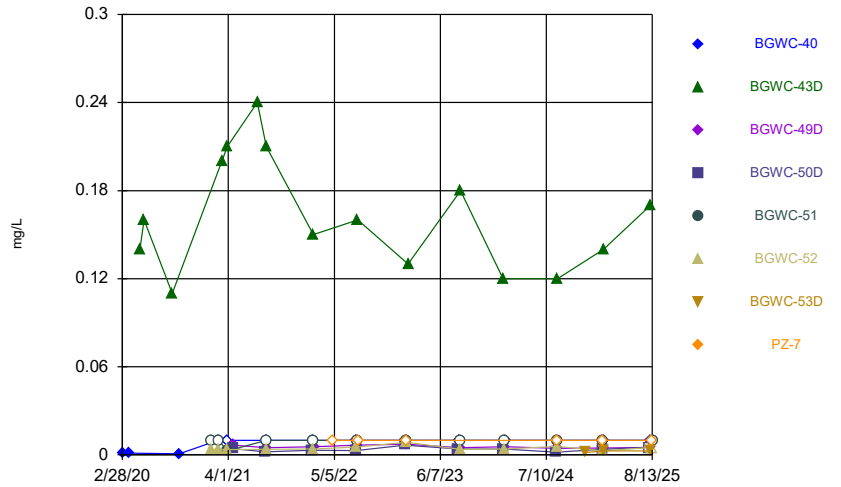
Time Series



Constituent: Molybdenum Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

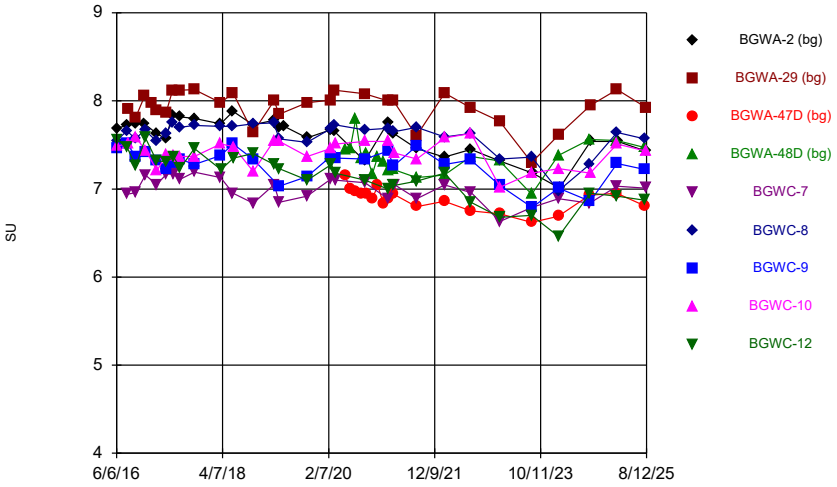
Time Series



Constituent: Molybdenum Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

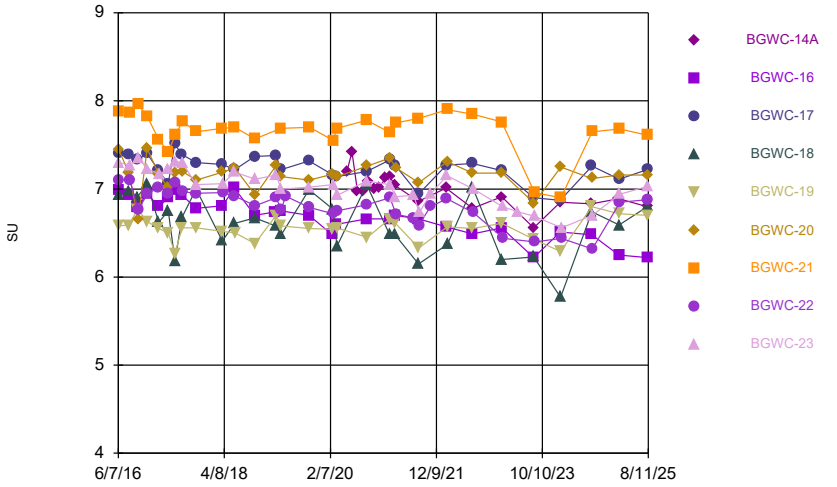
Time Series



Constituent: pH, Field Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

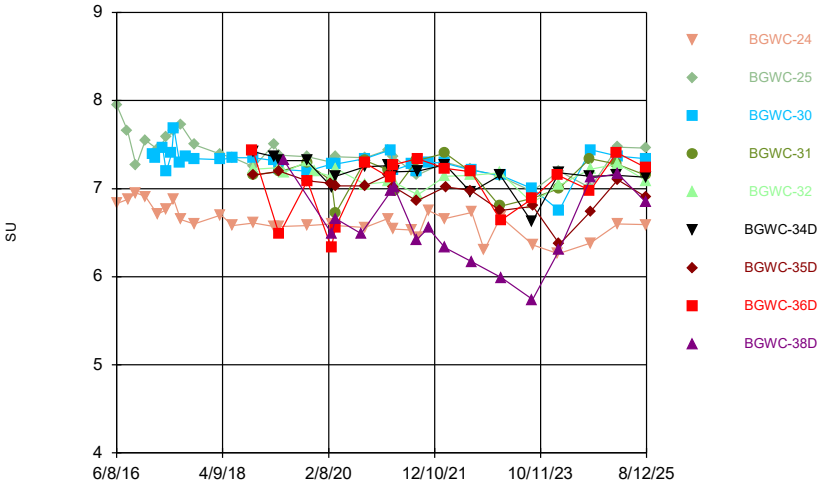
Time Series



Constituent: pH, Field Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

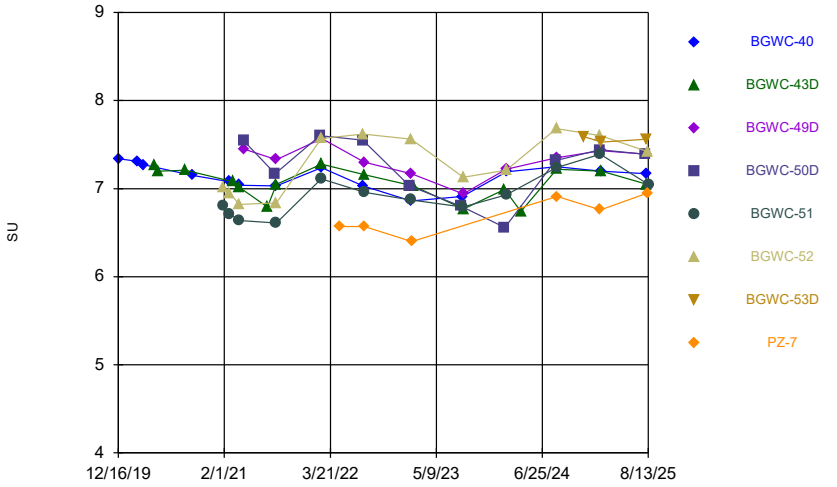
Time Series



Constituent: pH, Field Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

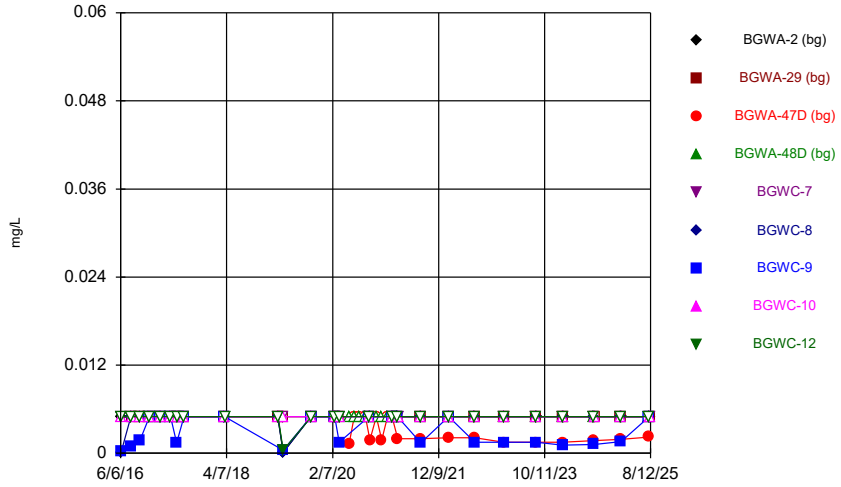
Time Series



Constituent: pH, Field Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

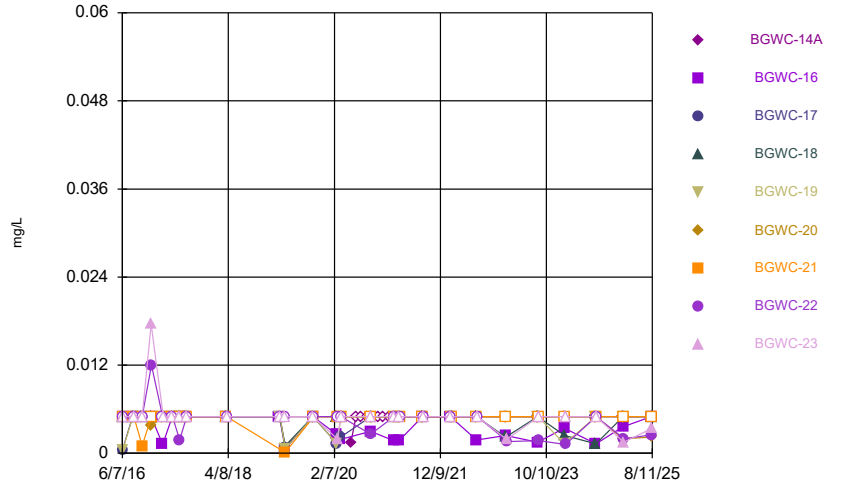
Time Series



Constituent: Selenium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

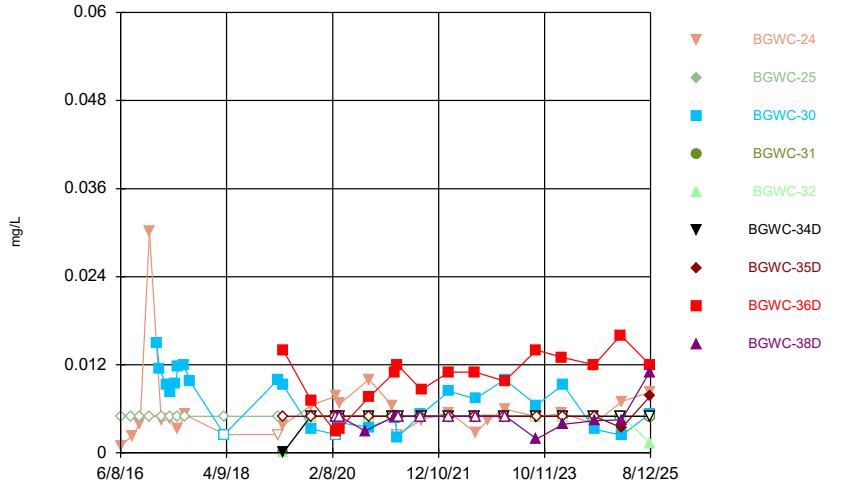
Time Series



Constituent: Selenium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

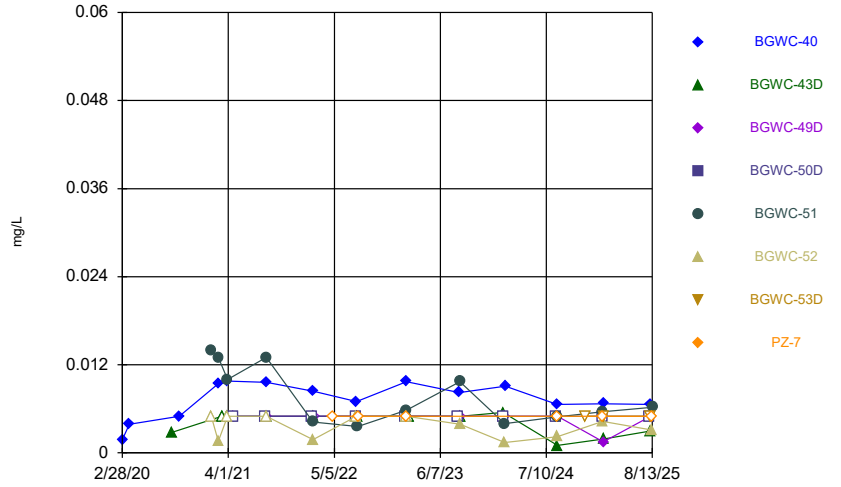
Time Series



Constituent: Selenium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

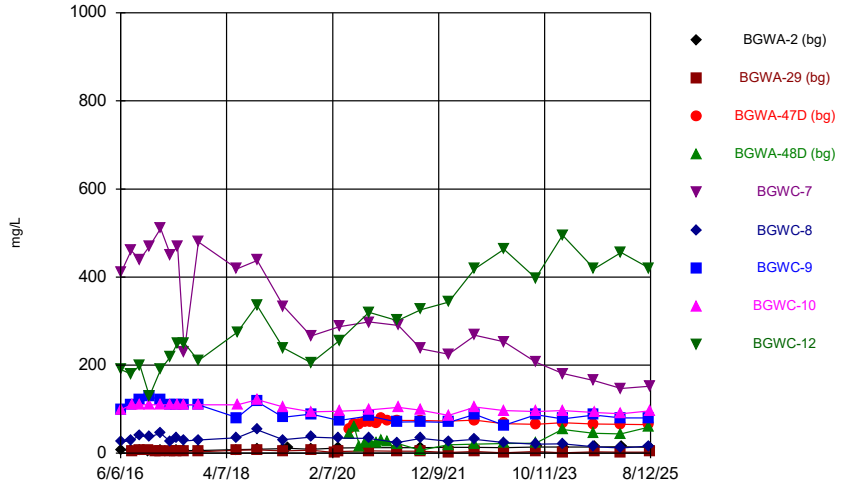
Time Series



Constituent: Selenium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

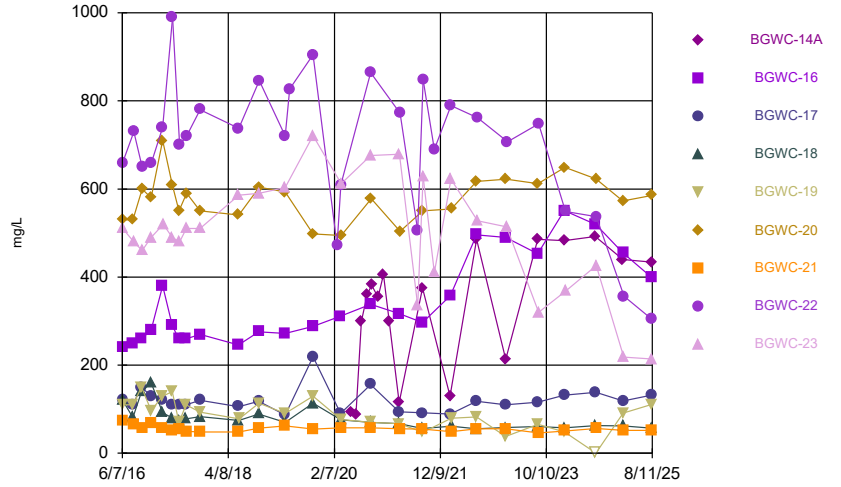
Time Series



Constituent: Sulfate Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

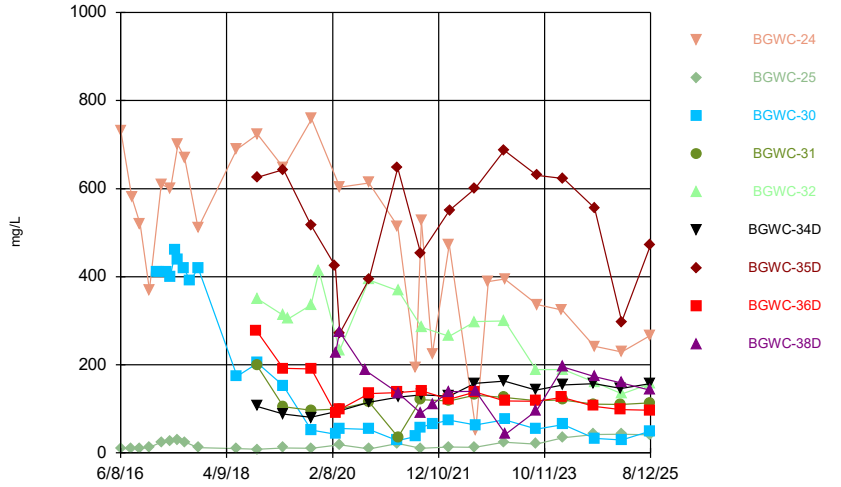
Time Series



Constituent: Sulfate Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

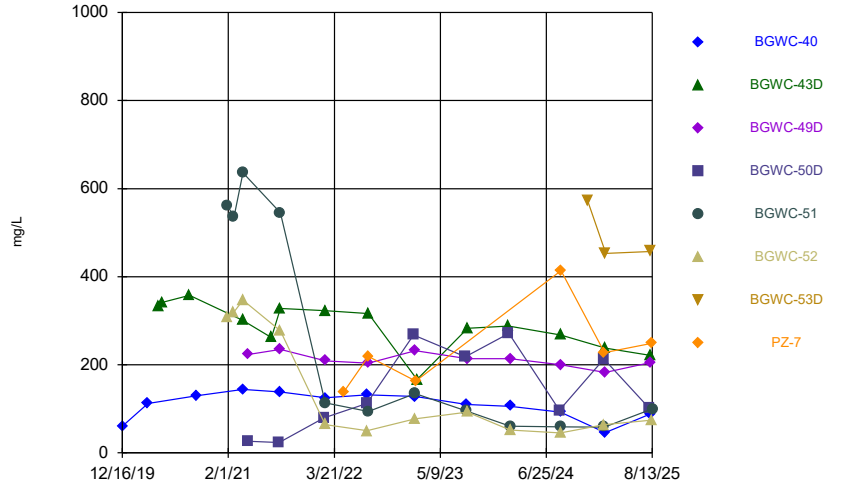
Time Series



Constituent: Sulfate Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

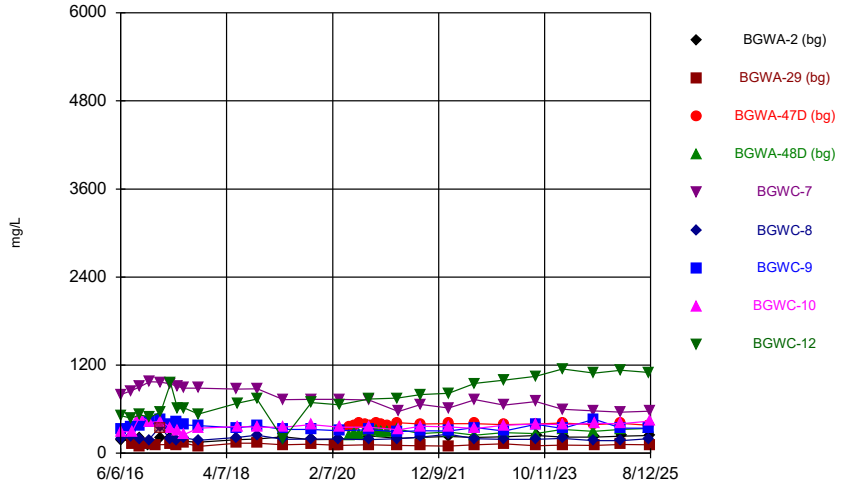
Time Series



Constituent: Sulfate Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

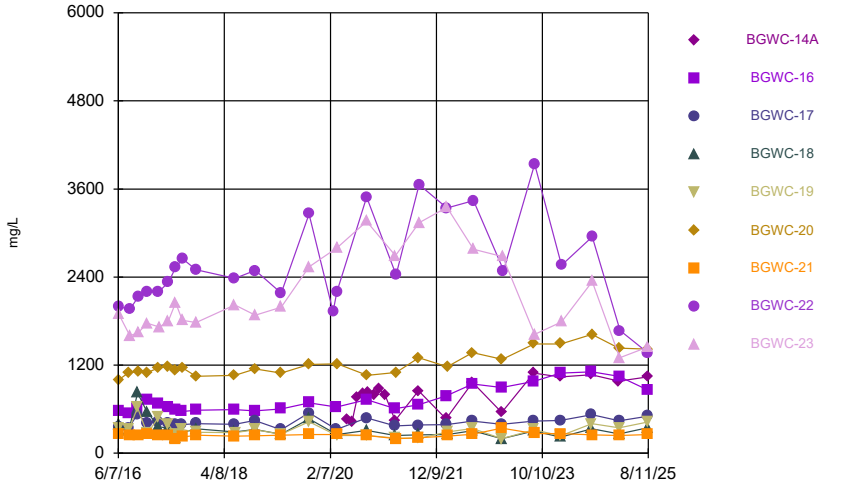
Time Series



Constituent: TDS Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

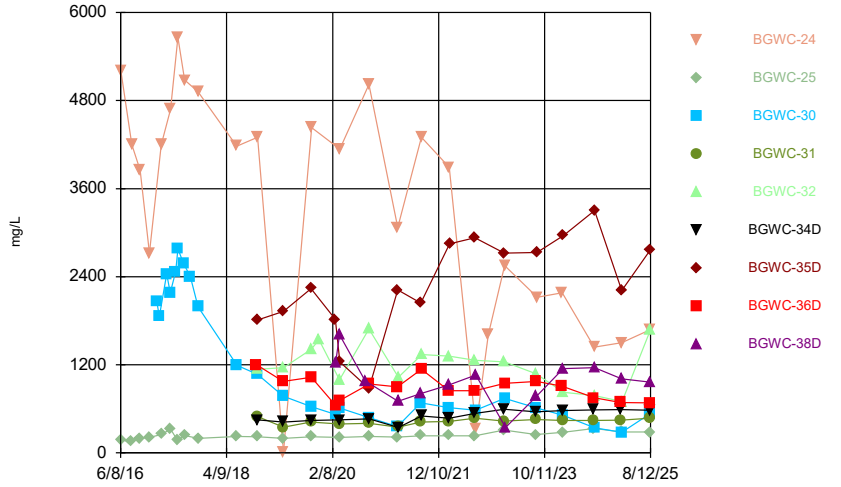
Time Series



Constituent: TDS Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

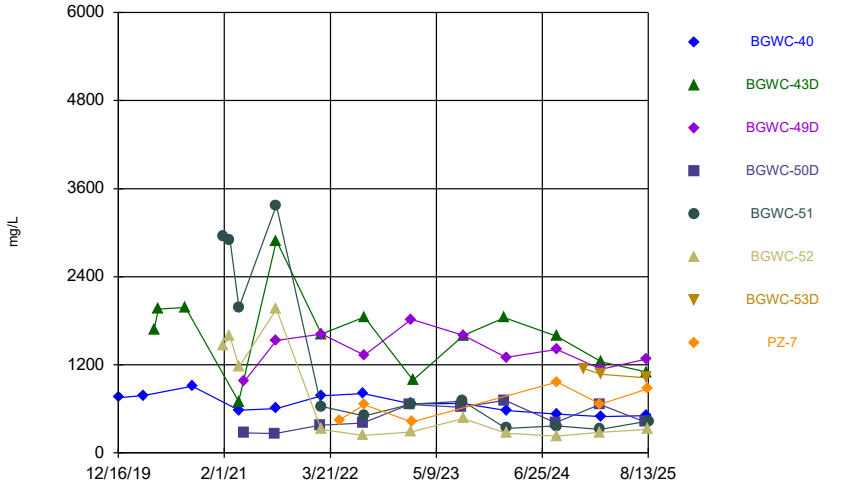
Time Series



Constituent: TDS Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

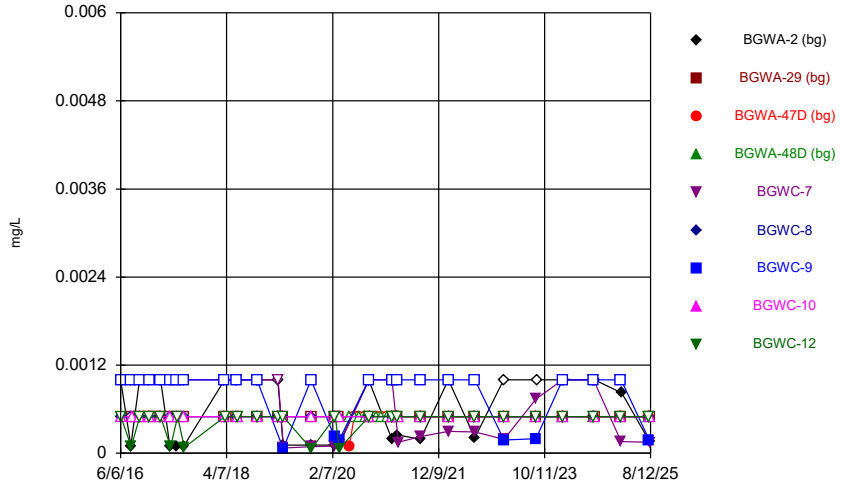
Time Series



Constituent: TDS Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

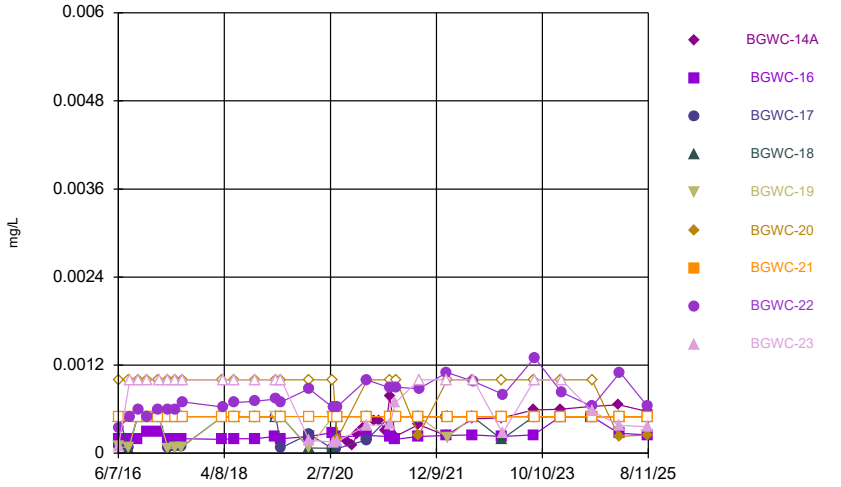
Time Series



Constituent: Thallium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

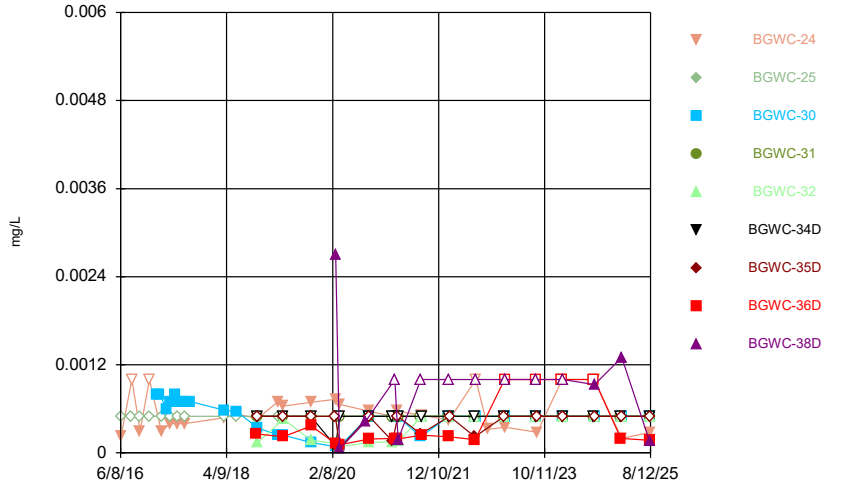
Time Series



Constituent: Thallium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

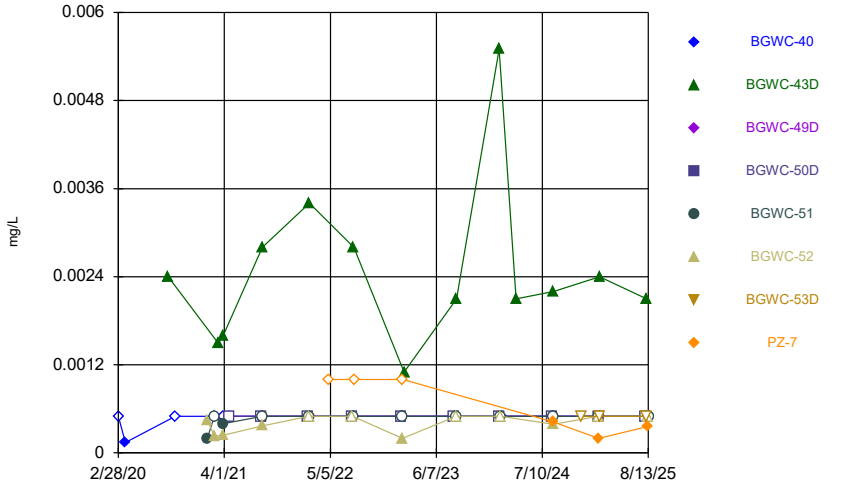
Time Series



Constituent: Thallium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 10/28/2025 2:01 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.003						<0.002		
6/7/2016						<0.002		0.0022 (J)	<0.002
6/8/2016					<0.002				
8/9/2016	<0.003								
8/10/2016						0.0004 (J)			
8/11/2016					0.0005 (J)		0.0003 (J)		
8/12/2016									<0.002
8/16/2016								<0.002	
8/22/2016		<0.002							
10/3/2016	<0.003								
10/4/2016		<0.002				<0.002			
10/5/2016							<0.002		
10/6/2016					0.0015 (J)				<0.002
10/7/2016								<0.002	
11/29/2016	<0.003								
12/1/2016		<0.002							
12/2/2016						<0.002			
12/5/2016							<0.002		<0.002
12/6/2016					<0.002			<0.002	
1/10/2017		<0.002							
2/13/2017	<0.003								
2/14/2017		<0.002				<0.002			
2/15/2017					<0.002		<0.002		<0.002
2/16/2017								<0.002	
4/13/2017	0.0004 (J)								
4/14/2017		<0.002				<0.002			
4/17/2017							<0.002		
4/18/2017					0.0003 (J)			<0.002	<0.002
5/25/2017	<0.003	<0.002							
5/26/2017						<0.002	<0.002		
6/2/2017					<0.002			<0.002	<0.002
7/7/2017	<0.003								
7/10/2017		<0.002				<0.002			
7/11/2017							<0.002		
7/12/2017								<0.002	
7/13/2017									<0.002
7/14/2017					<0.002				
3/26/2018	<0.003	<0.002				<0.002			
3/27/2018					<0.002		<0.002	<0.002	
3/28/2018									<0.002
2/25/2019	<0.003					<0.002			
2/27/2019		<0.002							
2/28/2019					<0.002			<0.002	<0.002
2/18/2020	<0.003								
2/19/2020		<0.002				<0.002			
2/20/2020							<0.002	<0.002	
2/21/2020					0.0016 (J)				
2/24/2020									<0.002
3/18/2020	<0.003	<0.002				<0.002			
3/19/2020					<0.002		<0.002		<0.002
3/23/2020								<0.002	
5/22/2020			<0.002						

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
5/25/2020				0.0042					
6/23/2020			<0.002	0.00074 (J)					
7/28/2020			0.0013 (J)	0.0014 (J)					
9/2/2020			0.00082 (J)						
9/3/2020				0.0023 (J)					
9/23/2020	<0.003	<0.002				<0.002			
9/24/2020							<0.002	<0.002	
9/25/2020					<0.002				<0.002
10/1/2020			0.00056 (J)	0.0026 (J)					
11/10/2020			0.0019 (J)	0.0016 (J)					
12/15/2020			0.0018 (J)	0.0018 (J)					
1/20/2021			0.00068 (J)	0.0015 (J)					
2/16/2021	<0.003	0.0015 (J)				0.00046 (J)			
2/17/2021			0.0013 (J)	0.0013 (J)			0.00075 (J)		
2/18/2021					<0.002			<0.002	
2/19/2021									<0.002
3/23/2021		<0.002							
3/24/2021						0.00059 (J)	0.00038 (J)		<0.002
3/25/2021			<0.002	0.0008 (J)					
3/26/2021	<0.003								
3/30/2021					<0.002			<0.002	
8/16/2021	<0.003	<0.002	<0.002	0.0018 (J)					
8/18/2021						<0.002	0.0014 (J)	<0.002	<0.002
8/19/2021					<0.002				
2/9/2022	<0.003		<0.002	0.0018 (J)					
2/10/2022		<0.002				<0.002	<0.002		
2/11/2022					<0.002			0.0021 (J)	<0.002
7/26/2022	<0.003	0.00096 (J)	<0.002	0.0008 (J)		<0.002	<0.002		
7/27/2022									<0.002
7/28/2022					<0.002			0.0015 (J)	
1/24/2023	<0.003	<0.002	<0.002	<0.002					
1/26/2023					<0.002	<0.002	<0.002		<0.002
1/27/2023								<0.002	
8/15/2023			<0.002						
8/16/2023		<0.002		<0.002		<0.002			<0.002
8/17/2023					<0.002		<0.002	<0.002	
8/21/2023	<0.003								
1/31/2024			<0.002	0.001 (J)					
2/1/2024						<0.002	<0.002	<0.002	<0.002
2/2/2024					<0.002				
2/5/2024		<0.002							
2/8/2024	0.0012 (J)								
8/15/2024			<0.002	0.00081 (J)					
8/16/2024					<0.002	<0.002			
8/19/2024							<0.002		<0.002
8/20/2024								<0.002	
8/21/2024	<0.003	<0.002							
2/4/2025			<0.002	<0.002					
2/5/2025						<0.002	<0.002		<0.002
2/6/2025		<0.002			<0.002			<0.002	
2/10/2025	<0.003								
7/31/2025			<0.002	<0.002		<0.002			

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
8/4/2025							<0.002		<0.002
8/5/2025	0.001 (J)				<0.002			<0.002	
8/12/2025		<0.002							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.002	<0.002						
6/8/2016				<0.002	<0.002	<0.002	<0.002	<0.002	
6/9/2016									<0.003
8/11/2016		0.0004 (J)	0.0002 (J)						
8/12/2016				<0.002	<0.002	<0.002			
8/18/2016							<0.002	0.0023 (J)	0.0009 (J)
10/7/2016		<0.002	<0.002	<0.002	<0.002				
10/10/2016						<0.002	<0.002	0.0021 (J)	<0.003
12/6/2016		<0.002	<0.002	<0.002					
12/7/2016					<0.002	<0.002			<0.003
12/8/2016							<0.002	<0.002	
2/16/2017		<0.002	<0.002	<0.002	<0.002				
2/17/2017						<0.002	<0.002	<0.002	
2/20/2017									<0.003
4/18/2017		<0.002							
4/19/2017			<0.002	<0.002	<0.002	<0.002	<0.002		<0.003
4/20/2017								<0.002	
5/30/2017		<0.002	<0.002						
6/1/2017				<0.002	<0.002	<0.002	<0.002		
6/5/2017								<0.002	<0.003
7/14/2017		<0.002	<0.002	<0.002	<0.002				
7/17/2017									<0.003
7/18/2017						<0.002	<0.002		
7/19/2017								<0.002	
3/27/2018		<0.002	<0.002	<0.002	<0.002				
3/28/2018						<0.002	<0.002		
3/29/2018								<0.002	<0.003
2/25/2019		<0.002							
2/27/2019			<0.002	<0.002		<0.002			
3/1/2019					<0.002			<0.002	<0.003
2/20/2020		<0.002							
2/24/2020			<0.002	<0.002	<0.002	<0.002			
2/25/2020								<0.002	<0.003
2/26/2020							<0.002		
3/19/2020		<0.002	<0.002						
3/20/2020				<0.002	<0.002		<0.002	<0.002	
3/23/2020						0.0014 (J)			0.00053 (J)
5/22/2020	<0.002								
6/23/2020	<0.002								
7/28/2020	<0.002								
9/2/2020	<0.002								
9/24/2020		<0.002	<0.002	<0.002			<0.002	<0.002	<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	<0.002								
1/20/2021	<0.002								
2/18/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
2/19/2021							<0.002	0.00028 (J)	0.00031 (J)
3/24/2021	<0.002	<0.002	<0.002	<0.002					
3/26/2021					<0.002				<0.003
3/29/2021						<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/18/2021	<0.002	<0.002							
8/19/2021			<0.002	<0.002					
8/20/2021					<0.002	<0.002	0.0014 (J)		
8/23/2021								<0.002	0.0029 (J)
2/9/2022	<0.002								
2/11/2022		<0.002	<0.002						
2/14/2022									0.0014 (J)
2/15/2022								<0.002	
2/16/2022				<0.002	<0.002	<0.002	0.0017 (J)		
7/26/2022	<0.002								
7/27/2022		<0.002	<0.002	<0.002	<0.002	<0.002			
7/28/2022							<0.002		
8/1/2022									0.0022 (J)
8/2/2022								<0.002	
1/26/2023	<0.002	<0.002	<0.002	<0.002					
1/27/2023					<0.002		<0.002		
1/30/2023						<0.002			
2/2/2023									0.007
2/7/2023								<0.002	
5/10/2023									0.0032
8/16/2023	<0.002								
8/17/2023		<0.002	<0.002	<0.002					
8/18/2023					<0.002	<0.002			
8/22/2023								<0.002	
8/23/2023							<0.002		<0.003
2/1/2024	<0.002	<0.002	<0.002						
2/2/2024				<0.002	<0.002				
2/5/2024						<0.002	<0.002		
2/8/2024								<0.002	0.00089 (J)
8/16/2024	<0.002								
8/19/2024		<0.002	<0.002	<0.002	<0.002				
8/20/2024						<0.002			
8/21/2024								<0.002	
8/22/2024							<0.002		0.0029 (J)
2/5/2025	<0.002								
2/6/2025		<0.002				<0.002			
2/7/2025			<0.002	<0.002	<0.002				
2/10/2025							<0.002		
2/11/2025									0.0031
2/13/2025								0.00085 (J)	
8/4/2025	<0.002								
8/5/2025		<0.002	<0.002	<0.002					
8/6/2025					<0.002				
8/7/2025						<0.002		<0.002	
8/11/2025							<0.002		0.0034

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.002							
6/9/2016	<0.003								
8/15/2016		0.0013 (J)							
8/18/2016	<0.003								
10/10/2016	<0.003	<0.002							
12/7/2016	<0.003								
12/8/2016		<0.002							
1/23/2017			<0.003						
2/7/2017			<0.003						
2/20/2017	<0.003	<0.002							
3/27/2017			<0.003						
4/17/2017			<0.003						
4/19/2017	<0.003								
4/20/2017		<0.002							
5/22/2017			<0.003						
6/1/2017		<0.002							
6/5/2017	<0.003		<0.003						
7/11/2017			<0.003						
7/17/2017	<0.003	<0.002							
8/23/2017			<0.003						
3/26/2018			<0.003						
3/28/2018		<0.002							
3/29/2018	<0.003								
3/1/2019	<0.003	<0.002	<0.003						
2/25/2020							<0.002		
2/26/2020	<0.003	<0.002	<0.003	<0.002				<0.002	
2/27/2020					<0.002	<0.002			0.0003 (J)
3/23/2020			<0.003	<0.002				<0.002	
3/24/2020		<0.002			<0.002	<0.002			<0.003
3/25/2020	<0.003						<0.002		
9/2/2020									0.0016 (J)
9/25/2020	0.00048 (J)		<0.003		0.00039 (J)		0.00064 (J)		
9/28/2020		<0.002		0.00038 (J)		0.00049 (J)		<0.002	
2/19/2021	0.00036 (J)					<0.002			
2/22/2021				<0.002			0.00066 (J)		
2/23/2021		<0.002			0.00036 (J)				
3/8/2021			<0.003					0.00096 (J)	
3/9/2021									0.00062 (J)
3/25/2021			<0.003					<0.002	
3/26/2021	<0.003	<0.002					<0.002		
3/29/2021				<0.002					<0.003
3/30/2021					<0.002	0.00079 (J)			
8/19/2021		<0.002	<0.003						0.01
8/20/2021				<0.002			<0.002		
8/23/2021	0.0028 (J)							<0.002	
8/24/2021						<0.002			
8/25/2021					<0.002				
2/14/2022			<0.003					<0.002	0.0067
2/15/2022	0.0048								
2/16/2022		<0.002		<0.002	<0.002	<0.002			
2/17/2022							<0.002		
7/27/2022		<0.002							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
7/28/2022				<0.002		<0.002	<0.002		
7/29/2022					<0.002			<0.002	
8/1/2022			<0.003						
8/2/2022	0.015 (O)								0.0015 (J)
10/21/2022	0.0032								
1/27/2023		<0.002		<0.002					
1/30/2023						<0.002	<0.002		
1/31/2023					<0.002				
2/1/2023	<0.003		<0.003					<0.002	
2/7/2023									0.00082 (J)
8/17/2023		<0.002							
8/18/2023				<0.002	<0.002	<0.002			
8/21/2023			<0.003					<0.002	<0.003
8/24/2023							<0.002		
8/25/2023	0.0021 (J)								
1/30/2024	<0.003							0.0021 (J)	
2/2/2024				0.0023 (J)					
2/5/2024		0.00058 (J)				<0.002			
2/6/2024			<0.003						0.0026 (J)
2/7/2024							0.0023 (J)		
2/8/2024					<0.002				
8/19/2024				<0.002					
8/20/2024		<0.002				<0.002		<0.002	
8/21/2024	0.009				<0.002				
8/22/2024			0.00085 (J)				0.0013 (J)		0.0013 (J)
2/5/2025								<0.002	
2/6/2025				<0.002		<0.002			
2/10/2025		<0.002	<0.003						
2/11/2025	0.0032						0.00086 (J)		0.001 (J)
2/12/2025					<0.002				
8/5/2025			0.00051 (J)						
8/6/2025									0.0028
8/7/2025		<0.002				<0.002		<0.002	
8/8/2025				<0.002					
8/11/2025	0.009						<0.002		
8/12/2025					<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	<0.002							
3/25/2020	<0.002							
9/3/2020		0.00091 (J)						
9/29/2020	<0.002							
1/28/2021					<0.002	0.0019 (J)		
2/22/2021	<0.002							
2/23/2021					<0.002	0.00053 (J)		
3/8/2021		0.00058 (J)						
3/29/2021		<0.002						
3/30/2021	0.0005 (J)				0.0019 (J)	0.00085 (J)		
4/19/2021			0.00039 (J)	0.0019 (J)				
8/18/2021				<0.002				
8/23/2021		<0.002			<0.002	<0.002		
8/24/2021	<0.002		<0.002					
2/9/2022				<0.002				
2/14/2022					<0.002	<0.002		
2/15/2022		<0.002						
2/16/2022	<0.002							
2/17/2022			<0.002					
4/28/2022								<0.002
7/26/2022				<0.002				
7/28/2022	<0.002					<0.002		
8/1/2022		<0.002	<0.002		<0.002			
8/2/2022								<0.002
1/25/2023				0.0017 (J)				
1/31/2023	<0.002				<0.002	<0.002		
2/1/2023			<0.002					
2/2/2023								<0.002
2/7/2023		<0.002						
8/15/2023				<0.002				
8/18/2023	<0.002							
8/21/2023					<0.002			
8/22/2023			<0.002			<0.002		
8/23/2023		<0.002						
1/30/2024		0.0015 (J)						
1/31/2024				<0.002				
2/5/2024					<0.002	<0.002		
2/6/2024			<0.002					
2/7/2024	<0.002							
8/16/2024				<0.002				
8/20/2024	<0.002				<0.002	<0.002		
8/21/2024		<0.002	<0.002					
8/22/2024								<0.002
12/3/2024							<0.002	
2/5/2025				<0.002				
2/6/2025					<0.002			
2/7/2025						<0.002		<0.002
2/10/2025	<0.002		<0.002					
2/11/2025		<0.002						
2/12/2025							<0.002	
7/31/2025				<0.002				
8/6/2025			<0.002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		<0.002						
8/8/2025	<0.002						<0.002	
8/11/2025						<0.002		<0.002
8/13/2025					<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	0.0012 (J)						0.0022		
6/7/2016						0.00018 (J)		0.0039	<0.002
6/8/2016					0.0024				
8/9/2016	<0.002								
8/10/2016						<0.002			
8/11/2016					0.0024 (J)		0.0028 (J)		
8/12/2016									0.0009 (J)
8/16/2016								0.0091	
8/22/2016		<0.002							
10/3/2016	<0.002								
10/4/2016		<0.002				<0.002			
10/5/2016							0.002 (J)		
10/6/2016					<0.002				<0.002
10/7/2016								0.0074	
11/29/2016	0.0023 (J)								
12/1/2016		<0.002							
12/2/2016						<0.002			
12/5/2016							<0.002		<0.002
12/6/2016					<0.002			0.0044 (J)	
1/10/2017		<0.002							
2/13/2017	<0.002								
2/14/2017		<0.002				<0.002			
2/15/2017					0.003 (J)		0.0033 (J)		<0.002
2/16/2017								0.0081	
4/13/2017	0.0017 (J)								
4/14/2017		0.0006 (J)				0.0007 (J)			
4/17/2017							0.0028 (J)		
4/18/2017					0.0029 (J)			0.0084	0.0009 (J)
5/25/2017	0.0015 (J)	0.0008 (J)							
5/26/2017						0.0008 (J)	0.0035 (J)		
6/2/2017					0.0031 (J)			0.008	0.0015 (J)
7/7/2017	0.001 (J)								
7/10/2017		0.0008 (J)				0.0011 (J)			
7/11/2017							0.0033 (J)		
7/12/2017								0.0063	
7/13/2017									0.0006 (J)
7/14/2017					0.0017 (J)				
3/26/2018	0.0019 (J)	0.00066 (J)				0.0009 (J)			
3/27/2018					0.0028 (J)		0.0021 (J)	0.0064	
3/28/2018									0.0015 (J)
6/12/2018	0.0013 (J)	0.00059 (J)				0.00065 (J)	0.0015 (J)		
6/13/2018					0.0023 (J)				
6/14/2018								0.0075	0.00096 (J)
10/16/2018	0.00075 (J)	<0.002				0.00064 (J)			
10/17/2018							0.0035 (J)		<0.002
10/18/2018					0.0015 (J)			0.0056	
2/25/2019	<0.002					<0.002			
2/27/2019		0.0011 (J)							
2/28/2019					0.0011 (J)			0.0058	<0.002
4/1/2019	0.00049 (J)	0.00019 (J)				0.00041 (J)	0.0026 (J)		0.00028 (J)
4/2/2019					0.0016 (J)			0.0057	
9/23/2019	0.00095 (J)	0.00053 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/24/2019					0.0031 (J)	0.00047 (J)	0.0033 (J)		
9/25/2019								0.0058	0.00085 (J)
2/18/2020	0.002 (J)								
2/19/2020		0.0012 (J)				0.0011 (J)			
2/20/2020							0.0019 (J)	0.0067	
2/21/2020					0.0018 (J)				
2/24/2020									0.00039 (J)
3/18/2020	<0.002	<0.002				0.00042 (J)			
3/19/2020					0.0018 (J)		0.0014 (J)		0.00036 (J)
3/23/2020								0.0049 (J)	
5/22/2020			0.00059 (J)						
5/25/2020				0.0025 (J)					
6/23/2020			<0.002	0.01					
7/28/2020			0.00081 (J)	0.0039 (J)					
9/2/2020			<0.002						
9/3/2020				0.0018 (J)					
9/23/2020	<0.002	<0.002				<0.002			
9/24/2020							0.0021 (J)	0.006	
9/25/2020					0.0025 (J)				<0.002
10/1/2020			<0.002	0.0014 (J)					
11/10/2020			<0.002	<0.005					
12/15/2020			<0.002	<0.005					
1/20/2021			<0.002	<0.005					
2/16/2021	<0.002	<0.002				<0.002			
2/17/2021			<0.002	<0.005			0.0019 (J)		
2/18/2021					0.0026 (J)			0.0054	
2/19/2021									0.0011 (J)
3/23/2021		<0.002							
3/24/2021						0.0012 (J)	0.0025 (J)		0.002 (J)
3/25/2021			0.0014 (J)	0.0042 (J)					
3/26/2021	<0.002								
3/30/2021					0.0017 (J)			0.0053	
8/16/2021	<0.002	<0.002	0.0012 (J)	0.0079					
8/18/2021						0.0014 (J)	0.0025 (J)	0.0083	0.0039 (J)
8/19/2021					0.0045 (J)				
2/9/2022	<0.002		<0.002	0.0057					
2/10/2022		<0.002				<0.002	0.0018 (J)		
2/11/2022					0.0022 (J)			0.0094	<0.002
7/26/2022	<0.002	<0.002	<0.002	<0.005		<0.002	<0.002		
7/27/2022									0.0028 (J)
7/28/2022					0.0024 (J)			0.005	
1/24/2023	<0.002	<0.002	<0.002	<0.005					
1/26/2023					0.0025 (J)	<0.002	<0.002		<0.002
1/27/2023								<0.005	
8/15/2023			<0.002						
8/16/2023		<0.002		<0.005		<0.002			<0.002
8/17/2023					0.0041 (J)		<0.002	0.0062	
8/21/2023	<0.002								
1/31/2024			<0.002	0.0038 (J)					
2/1/2024						<0.002	0.0012 (J)	0.006	<0.002
2/2/2024					0.0015 (J)				
2/5/2024		<0.002							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/8/2024	<0.002								
8/15/2024			<0.002	0.004 (J)					
8/16/2024					0.0011 (J)	<0.002			
8/19/2024							0.0024 (J)		0.0028 (J)
8/20/2024								0.0071	
8/21/2024	0.0019 (J)	0.0011 (J)							
2/4/2025			<0.002	0.0031 (J)					
2/5/2025						<0.002	<0.002		<0.002
2/6/2025		<0.002			<0.002			0.004 (J)	
2/10/2025	<0.002								
7/31/2025			<0.002	0.0034		<0.002			
8/4/2025							<0.002		<0.002
8/5/2025	<0.002				<0.002			0.0034	
8/12/2025		<0.002							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:02 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.002	<0.002						
6/8/2016				<0.002	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)	
6/9/2016									0.0012 (J)
8/11/2016		<0.002	<0.002						
8/12/2016				<0.002	0.0008 (J)	0.0017 (J)			
8/18/2016							<0.002	0.0022 (J)	0.003 (J)
10/7/2016		<0.002	<0.002	<0.002	<0.002				
10/10/2016						<0.002	<0.002	0.002 (J)	0.0021 (J)
12/6/2016		<0.002	<0.002	<0.002					
12/7/2016					<0.002	<0.002			0.0023 (J)
12/8/2016							<0.002	<0.002	
2/16/2017		<0.002	<0.002	<0.002	<0.002				
2/17/2017						<0.002	<0.002	0.0023 (J)	
2/20/2017									0.0025 (J)
4/18/2017		0.0007 (J)							
4/19/2017			0.0012 (J)	0.0013 (J)	0.0015 (J)	0.002 (J)	0.002 (J)		0.0032 (J)
4/20/2017								0.0028 (J)	
5/30/2017		0.0008 (J)	0.0006 (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		0.0008 (J)	<0.002	<0.002	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		0.0014 (J)	0.00076 (J)	0.00066 (J)	0.00082 (J)				
3/28/2018						0.0018 (J)	0.0012 (J)		
3/29/2018								0.0037 (J)	0.0028 (J)
6/12/2018		0.00073 (J)							
6/13/2018						0.0015 (J)			0.0019 (J)
6/14/2018			<0.002	<0.002			0.00087 (J)	0.0027 (J)	
6/15/2018					0.00074 (J)				
10/17/2018			<0.002						
10/18/2018		<0.002		<0.002					
10/19/2018					<0.002		0.00059 (J)		
10/22/2018						<0.002		0.0016 (J)	0.0015 (J)
2/25/2019		<0.002							
2/27/2019			0.001 (J)	0.00083 (J)		0.0014 (J)			
3/1/2019					<0.002			0.0011 (J)	0.0023 (J)
4/2/2019		0.0003 (J)	0.00024 (J)	0.00015 (J)					
4/3/2019					0.00017 (J)	0.00027 (J)	0.00038 (J)	0.0021 (J)	0.00093 (J)
9/26/2019		0.00074 (J)	0.0008 (J)	0.00046 (J)	0.00067 (J)	0.00087 (J)			
9/27/2019								0.0013 (J)	0.00096 (J)
9/30/2019							<0.002		
2/20/2020		0.00042 (J)							
2/24/2020			<0.002	<0.002	<0.002	0.00057 (J)			
2/25/2020								0.0014 (J)	0.0012 (J)
2/26/2020							0.00047 (J)		
3/19/2020		<0.002	<0.002						
3/20/2020				<0.002	<0.002		<0.002	0.0015 (J)	
3/23/2020						<0.002			0.0027 (J)
5/22/2020	0.001 (J)								
6/23/2020	<0.002								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
7/28/2020	0.0011 (J)								
9/2/2020	<0.002								
9/24/2020		<0.002	<0.002	<0.002			<0.002	0.0019 (J)	0.001 (J)
9/28/2020					<0.002	<0.002			
10/1/2020	<0.002								
11/10/2020	<0.002								
12/15/2020	<0.002								
1/20/2021	<0.002								
2/18/2021	<0.002	<0.002	<0.002	<0.002	<0.002	0.0016 (J)			
2/19/2021							0.00079 (J)	0.0039 (J)	0.0049 (J)
3/24/2021	0.002 (J)	0.0013 (J)	0.0017 (J)	0.0014 (J)					
3/26/2021					<0.002				<0.002
3/29/2021						<0.002	<0.002	<0.002	
8/18/2021	0.0034 (J)	<0.002							
8/19/2021			0.0014 (J)	0.002 (J)					
8/20/2021					<0.002	<0.002	<0.002		
8/23/2021								0.0036 (J)	0.0043 (J)
2/9/2022	<0.002								
2/11/2022		<0.002	<0.002						
2/14/2022									0.0065
2/15/2022								0.007	
2/16/2022				<0.002	0.0022 (J)	0.0031 (J)	0.002 (J)		
7/26/2022	<0.002								
7/27/2022		<0.002	<0.002	<0.002	<0.002	<0.002			
7/28/2022							<0.002		
8/1/2022									0.0085
8/2/2022								0.0033 (J)	
1/26/2023	<0.002	<0.002	<0.002	<0.002					
1/27/2023					<0.002		<0.002		
1/30/2023						<0.002			
2/2/2023									0.01
2/7/2023								0.0028 (J)	
8/16/2023	<0.002								
8/17/2023		<0.002	<0.002	<0.002					
8/18/2023					<0.002	0.0045 (J)			
8/22/2023								0.0095	
8/23/2023							<0.002		0.0062
2/1/2024	<0.002	0.0011 (J)	<0.002						
2/2/2024				<0.002	0.00086 (J)				
2/5/2024						0.0011 (J)	<0.002		
2/8/2024								0.0015 (J)	0.0024 (J)
8/16/2024	0.0021 (J)								
8/19/2024		0.0031 (J)	0.0013 (J)	0.0012 (J)	0.0016 (J)				
8/20/2024						0.0076			
8/21/2024								0.009	
8/22/2024							<0.002		0.0046 (J)
2/5/2025	<0.002								
2/6/2025		<0.002				<0.002			
2/7/2025			<0.002	<0.002	<0.002				
2/10/2025							<0.002		
2/11/2025									<0.002
2/13/2025								<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/4/2025	<0.002								
8/5/2025		<0.002	<0.002	<0.002					
8/6/2025					<0.002				
8/7/2025						<0.002		<0.002	
8/11/2025							<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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		<0.002							
1/23/2017			<0.002						
2/7/2017			<0.002						
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)						
10/17/2018								0.00082 (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)		0.0019 (J)		
1/14/2019						0.017			
3/1/2019	0.0032 (J)	0.0022 (J)	<0.002						
3/4/2019						0.02			
4/2/2019			0.00024 (J)					0.00039 (J)	
4/3/2019	0.0019 (J)								
4/4/2019		0.0016 (J)		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			0.00042 (J)					0.00064 (J)	
9/30/2019	0.0027 (J)	0.002 (J)							
2/25/2020							0.0013 (J)		
2/26/2020	0.0013 (J)	0.0018 (J)	0.00053 (J)	0.0037 (J)				<0.002	
2/27/2020					0.00081 (J)	0.017			0.0021 (J)
3/23/2020			<0.002	0.0054				<0.002	
3/24/2020		0.0013 (J)			0.0017 (J)	0.02			0.0054
3/25/2020	<0.005						0.00046 (J)		
9/2/2020									0.0012 (J)
9/25/2020	0.0023 (J)		<0.002		0.00093 (J)		0.0021 (J)		
9/28/2020		0.0028 (J)		0.0044 (J)		0.018		<0.002	
2/19/2021	0.0054					0.015			
2/22/2021				0.0049 (J)			0.0034 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
2/23/2021		0.004 (J)			0.0032 (J)				
3/8/2021			<0.002					0.00096 (J)	
3/9/2021									0.0021 (J)
3/25/2021			0.0015 (J)					0.0021 (J)	
3/26/2021	<0.005	0.0025 (J)					0.002 (J)		
3/29/2021				0.0038 (J)					0.0019 (J)
3/30/2021					<0.002	0.016			
8/19/2021		0.0019 (J)	<0.002						<0.002
8/20/2021				0.0054			0.0021 (J)		
8/23/2021	0.0032 (J)							0.0018 (J)	
8/24/2021						0.017			
8/25/2021					0.0029 (J)				
2/14/2022			<0.002					<0.002	0.0036 (J)
2/15/2022	0.0073								
2/16/2022		0.0055		0.007	0.0041 (J)	0.02			
2/17/2022							0.0065		
7/27/2022		0.0027 (J)							
7/28/2022				0.0051		0.015	<0.005		
7/29/2022					<0.002			<0.002	
8/1/2022			0.0034 (J)						
8/2/2022	<0.005								0.0025 (J)
10/21/2022	0.003 (J)								
1/27/2023		<0.002		0.0035 (J)					
1/30/2023						0.014	0.005 (J)		
1/31/2023					0.004 (J)				
2/1/2023	0.0042 (J)		0.0024 (J)					0.0032 (J)	
2/7/2023									<0.002
8/17/2023		<0.002							
8/18/2023				0.0054	0.0039 (J)	0.016			
8/21/2023			<0.002					0.0062	0.0051
8/24/2023							0.016		
8/25/2023	0.0081								
1/30/2024	0.0036 (J)							0.0017 (J)	
2/2/2024				0.0023 (J)					
2/5/2024		<0.002				0.013			
2/6/2024			0.001 (J)						0.0016 (J)
2/7/2024							0.0073		
2/8/2024					0.0017 (J)				
8/19/2024				0.0041 (J)					
8/20/2024		0.0045 (J)				0.015		0.0042 (J)	
8/21/2024	0.0073				0.0073				
8/22/2024			0.0033 (J)				0.011		0.0056
2/5/2025								<0.002	
2/6/2025				0.003 (J)		0.015			
2/10/2025		0.0013 (J)	<0.002						
2/11/2025	<0.005						0.0038 (J)		<0.002
2/12/2025					<0.002				
8/5/2025			<0.002						
8/6/2025									<0.002
8/7/2025		<0.002				0.014		<0.002	
8/8/2025				0.0029					
8/11/2025	0.0022						0.003		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/12/2025					<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.00062 (J)							
3/25/2020	0.00051 (J)							
9/3/2020		0.00099 (J)						
9/29/2020	<0.002							
1/28/2021					0.0012 (J)	0.00099 (J)		
2/22/2021	0.0024 (J)							
2/23/2021					0.0048 (J)	0.0028 (J)		
3/8/2021		0.0013 (J)						
3/29/2021		0.001 (J)						
3/30/2021	<0.002				0.0065 (J)	0.001 (J)		
4/19/2021			0.0023 (J)	0.0032 (J)				
8/18/2021				0.0018 (J)				
8/23/2021		0.0022 (J)			0.0033 (J)	0.002 (J)		
8/24/2021	0.0021 (J)		0.003 (J)					
2/9/2022				0.0023 (J)				
2/14/2022					<0.002	<0.002		
2/15/2022		0.0048 (J)						
2/16/2022	0.0032 (J)							
2/17/2022			0.0057					
4/28/2022								<0.002
7/26/2022				0.0035 (J)				
7/28/2022	<0.002					<0.002		
8/1/2022		0.0045 (J)	0.0076		<0.002			
8/2/2022								0.0034 (J)
1/25/2023				<0.005				
1/31/2023	0.0022 (J)				<0.002	<0.002		
2/1/2023			0.0073					
2/2/2023								0.0037 (J)
2/7/2023		<0.002						
8/15/2023				<0.005				
8/18/2023	<0.002							
8/21/2023					0.0057			
8/22/2023			0.0097			0.005		
8/23/2023		0.0087						
1/30/2024		0.0034 (J)						
1/31/2024				0.0019 (J)				
2/5/2024					<0.002	<0.002		
2/6/2024			0.0022 (J)					
2/7/2024	0.00094 (J)							
8/16/2024				0.003 (J)				
8/20/2024	0.0038 (J)				0.0033 (J)	<0.002		
8/21/2024		0.0072	0.0075					
8/22/2024								0.0058
12/3/2024							0.0071	
2/5/2025				0.003 (J)				
2/6/2025					<0.002			
2/7/2025						<0.002		<0.002
2/10/2025	<0.002		<0.002					
2/11/2025		<0.002						
2/12/2025							<0.005	
7/31/2025				0.0027				
8/6/2025			<0.002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		<0.002						
8/8/2025	<0.002						0.0015 (J)	
8/11/2025						<0.002		<0.002
8/13/2025					<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	0.2						0.034		
6/7/2016						0.0051		0.091	0.027
6/8/2016					0.048				
8/9/2016	0.188								
8/10/2016						0.0264			
8/11/2016					0.0428		0.0305		
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				0.0316			
10/5/2016							0.0289		
10/6/2016					0.0404				0.0308
10/7/2016								0.0631	
11/29/2016	0.201								
12/1/2016		0.0334							
12/2/2016						0.026			
12/5/2016							0.0269		0.0258
12/6/2016					0.0385			0.0659	
1/10/2017		0.0306							
2/13/2017	0.218								
2/14/2017		0.0247				0.0299			
2/15/2017					0.039		0.0299		0.029
2/16/2017								0.0621	
4/13/2017	0.19								
4/14/2017		0.0231				0.0275			
4/17/2017							0.0318		
4/18/2017					0.0392			0.0545	0.0294
5/25/2017	0.193	0.0235							
5/26/2017						0.0328	0.0341		
6/2/2017					0.0407			0.0555	0.0354
7/7/2017	0.148								
7/10/2017		0.0207				0.0305			
7/11/2017							0.0355		
7/12/2017								0.0572	
7/13/2017									0.0329
7/14/2017					0.0394				
3/26/2018	0.17	0.016				0.029			
3/27/2018					0.039		0.026	0.051	
3/28/2018									0.034
6/12/2018	0.18	0.018				0.031	0.024		
6/13/2018					0.038				
6/14/2018								0.053	0.032
10/16/2018	0.17	0.016				0.034			
10/17/2018							0.037		0.033
10/18/2018					0.037			0.053	
2/25/2019	0.16					0.03			
2/27/2019		0.013							
2/28/2019					0.041			0.053	0.033
4/1/2019	0.16	0.014				0.025	0.027		0.023
4/2/2019					0.031			0.045	
9/23/2019	0.21	0.016							

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/24/2019					0.035	0.03	0.035		
9/25/2019								0.047	0.035
2/18/2020	0.15								
2/19/2020		0.013				0.032			
2/20/2020							0.025	0.049	
2/21/2020					0.03				
2/24/2020									0.033
3/18/2020	0.14	0.013				0.028			
3/19/2020					0.031		0.028		0.034
3/23/2020								0.042	
5/22/2020			0.046						
5/25/2020				0.12					
6/23/2020			0.065	0.067					
7/28/2020			0.081	0.098					
9/2/2020			0.058						
9/3/2020				0.067					
9/23/2020	0.14	0.014				0.029			
9/24/2020							0.031	0.041	
9/25/2020					0.03				0.038
10/1/2020			0.058	0.073					
11/10/2020			0.057	0.071					
12/15/2020			0.059	0.073					
1/20/2021			0.058	0.071					
2/16/2021	0.15	0.013				0.028			
2/17/2021			0.06	0.064			0.03		
2/18/2021					0.031			0.039	
2/19/2021									0.043
3/23/2021		0.013							
3/24/2021						0.027	0.026		0.039
3/25/2021			0.057	0.091					
3/26/2021	0.14								
3/30/2021					0.035			0.041	
8/16/2021	0.13	0.017	0.06	0.074					
8/18/2021						0.029	0.025	0.036	0.042
8/19/2021					0.028				
2/9/2022	0.12		0.057	0.054					
2/10/2022		0.011				0.027	0.026		
2/11/2022					0.029			0.044	0.043
7/26/2022	0.12	0.013	0.056	0.025		0.029	0.029		
7/27/2022									0.045
7/28/2022					0.028			0.042	
1/24/2023	0.1	0.012	0.059	0.024					
1/26/2023					0.029	0.029	0.027		0.052
1/27/2023								0.04	
8/15/2023			0.055						
8/16/2023		0.015		0.03		0.027			0.049
8/17/2023					0.027		0.03	0.039	
8/21/2023	0.11								
1/31/2024			0.054	0.052					
2/1/2024						0.027	0.027	0.038	0.055
2/2/2024					0.023				
2/5/2024		0.011							

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/8/2024	0.11								
8/15/2024			0.051	0.044					
8/16/2024					0.02	0.023			
8/19/2024							0.028		0.045
8/20/2024								0.04	
8/21/2024	0.1	0.011							
2/4/2025			0.057	0.045					
2/5/2025						0.027	0.028		0.06
2/6/2025		0.013			0.025			0.043	
2/10/2025	0.11								
7/31/2025			0.053	0.061		0.025			
8/4/2025							0.025		0.048
8/5/2025	0.099				0.022			0.04	
8/12/2025		0.012							

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		0.027	0.017						
6/8/2016				0.039	0.036	0.036	0.054	0.092	
6/9/2016									0.11
8/11/2016		0.0292	0.0152						
8/12/2016				0.031	0.0412	0.0283			
8/18/2016							0.0479	0.0953	0.0893
10/7/2016		0.0295	0.0225	0.0427	0.0427				
10/10/2016						0.0288	0.0433	0.0954	0.0839
12/6/2016		0.0367	0.0171	0.0398					
12/7/2016					0.0338	0.0279			0.0912
12/8/2016							0.0474	0.0991	
2/16/2017		0.0315	0.0187	0.0309	0.0407				
2/17/2017						0.0316	0.0483	0.0927	
2/20/2017									0.0813
4/18/2017		0.0272							
4/19/2017			0.0183	0.0325	0.042	0.0367	0.0486		0.087
4/20/2017								0.086	
5/30/2017		0.0316	0.0179						
6/1/2017				0.0331	0.0341	0.0361	0.0468		
6/5/2017								0.0875	0.084
7/14/2017		0.029	0.0191	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	0.015	0.027	0.029				
3/28/2018						0.03	0.043		
3/29/2018								0.088	0.085
6/12/2018		0.029							
6/13/2018						0.031			0.091
6/14/2018			0.016	0.032			0.042	0.093	
6/15/2018					0.032				
10/17/2018			0.015						
10/18/2018		0.026		0.033					
10/19/2018					0.037		0.038		
10/22/2018						0.03		0.088	0.087
2/25/2019		0.028							
2/27/2019			0.014	0.027		0.032			
3/1/2019					0.028			0.087	0.097
4/2/2019		0.025	0.015	0.028					
4/3/2019					0.033	0.029	0.033	0.082	0.087
9/26/2019		0.031	0.023	0.042	0.049	0.032			
9/27/2019								0.095	0.11
9/30/2019							0.036		
2/20/2020		0.026							
2/24/2020			0.014	0.028	0.024	0.033			
2/25/2020								0.062	0.12
2/26/2020							0.024		
3/19/2020		0.027	0.017						
3/20/2020				0.031	0.034		0.03	0.075	
3/23/2020						0.032			0.11
5/22/2020	0.036								
6/23/2020	0.029								

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
7/28/2020	0.049								
9/2/2020	0.04								
9/24/2020		0.028	0.022	0.031			0.031	0.093	0.12
9/28/2020					0.03	0.032			
10/1/2020	0.039								
11/10/2020	0.037								
12/15/2020	0.042								
1/20/2021	0.042								
2/18/2021	0.036	0.028	0.017	0.034	0.026	0.039			
2/19/2021							0.03	0.086	0.12
3/24/2021	0.032	0.028	0.018	0.031					
3/26/2021					0.028				0.12
3/29/2021						0.033	0.025	0.079	
8/18/2021	0.04	0.027							
8/19/2021			0.015	0.029					
8/20/2021					0.035	0.034	0.024		
8/23/2021								0.073	0.11
2/9/2022	0.022								
2/11/2022		0.03	0.015						
2/14/2022									0.11
2/15/2022								0.074	
2/16/2022				0.032	0.036	0.035	0.028		
7/26/2022	0.038								
7/27/2022		0.033	0.015	0.029	0.039	0.032			
7/28/2022							0.025		
8/1/2022									0.099
8/2/2022								0.074	
1/26/2023	0.025	0.033	0.015	0.034					
1/27/2023					0.023		0.021		
1/30/2023						0.036			
2/2/2023									0.088
2/7/2023								0.058	
8/16/2023	0.041								
8/17/2023		0.034	0.015	0.033					
8/18/2023					0.034	0.035			
8/22/2023								0.068	
8/23/2023							0.036		0.06
2/1/2024	0.034	0.032	0.017						
2/2/2024				0.027	0.028				
2/5/2024						0.034	0.027		
2/8/2024								0.05	0.059
8/16/2024	0.034								
8/19/2024		0.026	0.014	0.032	0.039				
8/20/2024						0.032			
8/21/2024								0.055	
8/22/2024							0.022		0.063
2/5/2025	0.04								
2/6/2025		0.029				0.037			
2/7/2025			0.016	0.034	0.037				
2/10/2025							0.02		
2/11/2025									0.053
2/13/2025								0.046	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/4/2025	0.031								
8/5/2025		0.022	0.016	0.032					
8/6/2025					0.041				
8/7/2025						0.031		0.051	
8/11/2025							0.018		0.044

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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						
10/17/2018								0.11	
10/18/2018				0.055					
10/19/2018						0.038			
10/22/2018	0.1	0.018	0.1		0.096		0.065		
3/1/2019	0.12	0.021	0.078						
4/2/2019			0.075					0.074	
4/3/2019	0.095								
4/4/2019		0.016		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			0.08					0.084	
9/30/2019	0.098	0.016							
2/25/2020							0.099		
2/26/2020	0.1	0.015	0.062	0.033				0.064	
2/27/2020					0.092	0.036			0.24
3/23/2020			0.075	0.038				0.062	
3/24/2020		0.015			0.094	0.043			0.17
3/25/2020	0.096						0.12		
9/2/2020									0.19
9/25/2020	0.088		0.07		0.14		0.11		
9/28/2020		0.016		0.038		0.042		0.067	
2/19/2021	0.081					0.053			
2/22/2021				0.041			0.091		
2/23/2021		0.019			0.13				
3/8/2021			0.074					0.073	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
3/9/2021									0.096
3/25/2021			0.06					0.073	
3/26/2021	0.075	0.018					0.07		
3/29/2021				0.039					0.082
3/30/2021					0.13	0.048			
8/19/2021		0.019	0.094						0.14
8/20/2021				0.041			0.069		
8/23/2021	0.077							0.066	
8/24/2021						0.048			
8/25/2021					0.099				
2/14/2022			0.072					0.064	0.15
2/15/2022	0.077								
2/16/2022		0.019		0.042	0.096	0.052			
2/17/2022							0.071		
7/27/2022		0.016							
7/28/2022				0.039		0.051	0.06		
7/29/2022					0.09			0.062	
8/1/2022			0.061						
8/2/2022	0.022								0.12
10/21/2022	0.057								
1/27/2023		0.015		0.042					
1/30/2023						0.055	0.059		
1/31/2023					0.1				
2/1/2023	0.052		0.062					0.058	
2/7/2023									0.11
8/17/2023		0.013							
8/18/2023				0.041	0.079	0.052			
8/21/2023			0.051					0.06	0.1
8/24/2023							0.056		
8/25/2023	0.045								
1/30/2024	0.042							0.06	
2/2/2024				0.044					
2/5/2024		0.016				0.057			
2/6/2024			0.055						0.16
2/7/2024							0.05		
2/8/2024					0.086				
8/19/2024				0.035					
8/20/2024		0.017				0.056		0.054	
8/21/2024	0.035				0.083				
8/22/2024			0.043				0.053		0.088
2/5/2025								0.063	
2/6/2025				0.044		0.06			
2/10/2025		0.015	0.042						
2/11/2025	0.041						0.053		0.085
2/12/2025					0.085				
8/5/2025			0.061						
8/6/2025									0.1
8/7/2025		0.012				0.052		0.053	
8/8/2025				0.039					
8/11/2025	0.037						0.051		
8/12/2025					0.083				

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.045							
3/25/2020	0.048							
9/3/2020		0.083						
9/29/2020	0.047							
1/28/2021					0.061	0.076		
2/22/2021	0.061							
2/23/2021					0.054	0.095		
3/8/2021		0.068						
3/29/2021		0.065						
3/30/2021	0.06				0.051	0.084		
4/19/2021			0.077	0.033				
8/18/2021				0.028				
8/23/2021		0.07			0.044	0.063		
8/24/2021	0.053		0.094					
2/9/2022				0.049				
2/14/2022					0.011	0.029		
2/15/2022		0.076						
2/16/2022	0.055							
2/17/2022			0.077					
4/28/2022								0.021
7/26/2022				0.051				
7/28/2022	0.047					0.021		
8/1/2022		0.066	0.062		0.0081			
8/2/2022								0.026
1/25/2023				0.067				
1/31/2023	0.047				0.011	0.032		
2/1/2023			0.055					
2/2/2023								0.022
2/7/2023		0.059						
8/15/2023				0.062				
8/18/2023	0.038							
8/21/2023					0.0094			
8/22/2023			0.074			0.029		
8/23/2023		0.062						
1/30/2024		0.072						
1/31/2024				0.055				
2/5/2024					0.0058	0.019		
2/6/2024			0.057					
2/7/2024	0.039							
8/16/2024				0.031				
8/20/2024	0.034				0.0057	0.019		
8/21/2024		0.056	0.069					
8/22/2024								0.033
12/3/2024							0.069	
2/5/2025				0.047				
2/6/2025					0.0055			
2/7/2025						0.019		0.025
2/10/2025	0.035		0.062					
2/11/2025		0.057						
2/12/2025							0.061	
7/31/2025				0.031				
8/6/2025			0.06					

Time Series

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		0.049						
8/8/2025	0.033						0.048	
8/11/2025						0.018		0.028
8/13/2025					0.0079			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.0004						<0.0004		
6/7/2016						<0.0004		<0.0004	<0.0004
6/8/2016					<0.0004				
8/9/2016	<0.0004								
8/10/2016						<0.0004			
8/11/2016					<0.0004		<0.0004		
8/12/2016									<0.0004
8/16/2016								<0.0004	
8/22/2016		<0.0004							
10/3/2016	<0.0004								
10/4/2016		<0.0004				<0.0004			
10/5/2016							<0.0004		
10/6/2016					<0.0004				<0.0004
10/7/2016								<0.0004	
11/29/2016	<0.0004								
12/1/2016		<0.0004							
12/2/2016						<0.0004			
12/5/2016							<0.0004		<0.0004
12/6/2016					<0.0004			<0.0004	
1/10/2017		<0.0004							
2/13/2017	<0.0004								
2/14/2017		<0.0004				<0.0004			
2/15/2017					<0.0004		<0.0004		<0.0004
2/16/2017								<0.0004	
4/13/2017	<0.0004								
4/14/2017		<0.0004				<0.0004			
4/17/2017							<0.0004		
4/18/2017					<0.0004			<0.0004	<0.0004
5/25/2017	<0.0004	<0.0004							
5/26/2017						<0.0004	<0.0004		
6/2/2017					<0.0004			<0.0004	<0.0004
7/7/2017	<0.0004								
7/10/2017		<0.0004				<0.0004			
7/11/2017							<0.0004		
7/12/2017								<0.0004	
7/13/2017									<0.0004
7/14/2017					<0.0004				
3/26/2018	<0.0004	<0.0004				<0.0004			
3/27/2018					<0.0004		<0.0004	<0.0004	
3/28/2018									<0.0004
2/25/2019	<0.0004					<0.0004			
2/27/2019		<0.0004							
2/28/2019					<0.0004			<0.0004	7.6E-05 (J)
4/1/2019	<0.0004	<0.0004				<0.0004	<0.0004		<0.0004
4/2/2019					<0.0004			<0.0004	
9/23/2019	<0.0004	<0.0004							
9/24/2019					<0.0004	<0.0004	<0.0004		
9/25/2019								<0.0004	<0.0004
2/18/2020	<0.0004								
2/19/2020		<0.0004				<0.0004			
2/20/2020							<0.0004	<0.0004	
2/21/2020					<0.0004				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/24/2020									<0.0004
3/18/2020	<0.0004	<0.0004				<0.0004			
3/19/2020					<0.0004		<0.0004		<0.0004
3/23/2020								<0.0004	
5/22/2020			<0.0004						
5/25/2020				<0.0004					
6/23/2020			<0.0004	<0.0004					
7/28/2020			<0.0004	<0.0004					
9/2/2020			<0.0004						
9/3/2020				<0.0004					
9/23/2020	<0.0004	<0.0004				<0.0004			
9/24/2020							<0.0004	<0.0004	
9/25/2020					<0.0004				<0.0004
10/1/2020			<0.0004	5.7E-05 (J)					
11/10/2020			<0.0004	<0.0004					
12/15/2020			<0.0004	<0.0004					
1/20/2021			<0.0004	<0.0004					
2/16/2021	<0.0004	<0.0004				<0.0004			
2/17/2021			<0.0004	<0.0004			<0.0004		
2/18/2021					<0.0004			<0.0004	
2/19/2021									4.6E-05 (J)
3/23/2021		<0.0004							
3/24/2021						<0.0004	<0.0004		<0.0004
3/25/2021			<0.0004	<0.0004					
3/26/2021	<0.0004								
3/30/2021					<0.0004			<0.0004	
8/16/2021	<0.0004	<0.0004	<0.0004	<0.0004					
8/18/2021						<0.0004	<0.0004	<0.0004	<0.0004
8/19/2021					<0.0004				
2/9/2022	<0.0004		<0.0004	<0.0004					
2/10/2022		<0.0004				<0.0004	<0.0004		
2/11/2022					<0.0004			<0.0004	<0.0004
7/26/2022	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004	<0.0004		
7/27/2022									<0.0004
7/28/2022					<0.0004			<0.0004	
1/24/2023	<0.0004	<0.0004	<0.0004	<0.0004					
1/26/2023					<0.0004	<0.0004	<0.0004		<0.0004
1/27/2023								<0.0004	
8/15/2023			<0.0004						
8/16/2023		<0.0004		<0.0004		<0.0004			<0.0004
8/17/2023					<0.0004		<0.0004	<0.0004	
8/21/2023	<0.0004								
1/31/2024			<0.0004	<0.0004					
2/1/2024						<0.0004	<0.0004	<0.0004	<0.0004
2/2/2024					<0.0004				
2/5/2024		<0.0004							
2/8/2024	<0.0004								
8/15/2024			<0.0004	<0.0004					
8/16/2024					<0.0004	<0.0004			
8/19/2024							<0.0004		<0.0004
8/20/2024								<0.0004	
8/21/2024	<0.0004	<0.0004							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/4/2025			<0.0004	<0.0004					
2/5/2025						<0.0004	<0.0004		<0.0004
2/6/2025		<0.0004			<0.0004			<0.0004	
2/10/2025	<0.0004								
7/31/2025			<0.0004	<0.0004		<0.0004			
8/4/2025							<0.0004		<0.0004
8/5/2025	<0.0004				<0.0004			<0.0004	
8/12/2025		<0.0004							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.0004	<0.0004						
6/8/2016				<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
6/9/2016									<0.0004
8/11/2016		<0.0004	<0.0004						
8/12/2016				<0.0004	<0.0004	<0.0004			
8/18/2016							<0.0004	<0.0004	<0.0004
10/7/2016		<0.0004	<0.0004	<0.0004	<0.0004				
10/10/2016						<0.0004	<0.0004	<0.0004	<0.0004
12/6/2016		<0.0004	<0.0004	<0.0004					
12/7/2016					<0.0004	<0.0004			<0.0004
12/8/2016							<0.0004	<0.0004	
2/16/2017		<0.0004	<0.0004	<0.0004	<0.0004				
2/17/2017						<0.0004	<0.0004	<0.0004	
2/20/2017									<0.0004
4/18/2017		<0.0004							
4/19/2017			<0.0004	<0.0004	8E-05 (J)	<0.0004	<0.0004		<0.0004
4/20/2017								<0.0004	
5/30/2017		<0.0004	<0.0004						
6/1/2017				9E-05 (J)	7E-05 (J)	<0.0004	<0.0004		
6/5/2017								<0.0004	<0.0004
7/14/2017		<0.0004	<0.0004	<0.0004	<0.0004				
7/17/2017									<0.0004
7/18/2017						<0.0004	<0.0004		
7/19/2017								<0.0004	
3/27/2018		<0.0004	<0.0004	<0.0004	<0.0004				
3/28/2018						<0.0004	<0.0004		
3/29/2018								<0.0004	<0.0004
2/25/2019		8.7E-05 (J)							
2/27/2019			<0.0004	0.00011 (J)		<0.0004			
3/1/2019					<0.0004			0.00012 (J)	<0.0004
4/2/2019		6.3E-05 (J)	<0.0004	5.2E-05 (J)					
4/3/2019					<0.0004	<0.0004	<0.0004	6.7E-05 (J)	<0.0004
9/26/2019		8E-05 (J)	<0.0004	<0.0004	<0.0004	<0.0004			
9/27/2019								9.9E-05 (J)	<0.0004
9/30/2019							<0.0004		
2/20/2020		0.00012 (J)							
2/24/2020			<0.0004	<0.0004	<0.0004	<0.0004			
2/25/2020								9.3E-05 (J)	<0.0004
2/26/2020							<0.0004		
3/19/2020		0.00012 (J)	<0.0004						
3/20/2020				7.6E-05 (J)	<0.0004		<0.0004	8.8E-05 (J)	
3/23/2020						<0.0004			<0.0004
5/22/2020	<0.0004								
6/23/2020	<0.0004								
7/28/2020	<0.0004								
9/2/2020	<0.0004								
9/24/2020		0.00011 (J)	5.4E-05 (J)	<0.0004			<0.0004	0.00012 (J)	5.4E-05 (J)
9/28/2020					8.8E-05 (J)	<0.0004			
10/1/2020	<0.0004								
11/10/2020	<0.0004								
12/15/2020	<0.0004								
1/20/2021	<0.0004								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/18/2021	<0.0004	0.00013 (J)	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	<0.0004			
2/19/2021							<0.0004	0.00013 (J)	<0.0004
3/24/2021	<0.0004	0.00014 (J)	<0.0004	6.1E-05 (J)					
3/26/2021					5.5E-05 (J)				<0.0004
3/29/2021						<0.0004	<0.0004	0.00011 (J)	
8/18/2021	<0.0004	0.00013 (J)							
8/19/2021			6.1E-05 (J)	<0.0004					
8/20/2021					8.7E-05 (J)	<0.0004	<0.0004		
8/23/2021								0.00011 (J)	<0.0004
2/9/2022	<0.0004								
2/11/2022		0.00013 (J)	<0.0004						
2/14/2022									<0.0004
2/15/2022								0.00012 (J)	
2/16/2022				6.3E-05 (J)	0.0001 (J)	<0.0004	<0.0004		
7/26/2022	<0.0004								
7/27/2022		0.00017 (J)	5.8E-05 (J)	<0.0004	6.1E-05 (J)	<0.0004			
7/28/2022							<0.0004		
8/1/2022									<0.0004
8/2/2022								0.00012 (J)	
1/26/2023	<0.0004	0.00015 (J)	<0.0004	0.0001 (J)					
1/27/2023					<0.0004		<0.0004		
1/30/2023						<0.0004			
2/2/2023									<0.0004
2/7/2023								0.00013 (J)	
8/16/2023	<0.0004								
8/17/2023		0.00017 (J)	5.7E-05 (J)	<0.0004					
8/18/2023					<0.0004	<0.0004			
8/22/2023								0.00014 (J)	
8/23/2023							<0.0004		<0.0004
2/1/2024	<0.0004	0.00022 (J)	<0.0004						
2/2/2024				<0.0004	<0.0004				
2/5/2024						<0.0004	<0.0004		
2/8/2024								0.00013 (J)	<0.0004
8/16/2024	<0.0004								
8/19/2024		0.00023 (J)	<0.0004	<0.0004	<0.0004				
8/20/2024						<0.0004			
8/21/2024								0.00014 (J)	
8/22/2024							<0.0004		<0.0004
2/5/2025	<0.0004								
2/6/2025		0.00034 (J)				<0.0004			
2/7/2025			<0.0004	<0.0004	<0.0004				
2/10/2025							<0.0004		
2/11/2025									<0.0004
2/13/2025								<0.0004	
8/4/2025	<0.0004								
8/5/2025		0.00024 (J)	<0.0004	<0.0004					
8/6/2025					<0.0004				
8/7/2025						<0.0004		<0.0004	
8/11/2025							<0.0004		<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.0004							
6/9/2016	<0.0004								
8/15/2016		<0.0004							
8/18/2016	<0.0004								
10/10/2016	<0.0004	<0.0004							
12/7/2016	<0.0004								
12/8/2016		<0.0004							
1/23/2017			<0.0004						
2/7/2017			<0.0004						
2/20/2017	<0.0004	<0.0004							
3/27/2017			<0.0004						
4/17/2017			<0.0004						
4/19/2017	<0.0004								
4/20/2017		<0.0004							
5/22/2017			<0.0004						
6/1/2017		<0.0004							
6/5/2017	<0.0004		<0.0004						
7/11/2017			<0.0004						
7/17/2017	<0.0004	<0.0004							
8/23/2017			<0.0004						
3/26/2018			<0.0004						
3/28/2018		<0.0004							
3/29/2018	<0.0004								
3/1/2019	<0.0004	<0.0004	<0.0004						
4/2/2019			<0.0004					7E-05 (J)	
4/3/2019	<0.0004								
4/4/2019		<0.0004		<0.0004		<0.0004	<0.0004		
4/5/2019					<0.0004				
9/24/2019				<0.0004		<0.0004			
9/26/2019					<0.0004		<0.0004		
9/27/2019			<0.0004					<0.0004	
9/30/2019	9.3E-05 (J)	<0.0004							
2/25/2020							<0.0004		
2/26/2020	0.0001 (J)	<0.0004	<0.0004	<0.0004				<0.0004	
2/27/2020					<0.0004	<0.0004			8.8E-05 (J)
3/23/2020			<0.0004	<0.0004				<0.0004	
3/24/2020		<0.0004			<0.0004	<0.0004			<0.0004
3/25/2020	0.0001 (J)						<0.0004		
9/2/2020									6E-05 (J)
9/25/2020	0.00013 (J)		<0.0004		<0.0004		<0.0004		
9/28/2020		<0.0004		<0.0004		<0.0004		<0.0004	
2/19/2021	0.00018 (J)					<0.0004			
2/22/2021				<0.0004			<0.0004		
2/23/2021		<0.0004			<0.0004				
3/8/2021			<0.0004					<0.0004	
3/9/2021									<0.0004
3/25/2021			<0.0004					<0.0004	
3/26/2021	<0.0004	<0.0004					<0.0004		
3/29/2021				<0.0004					<0.0004
3/30/2021					<0.0004	<0.0004			
8/19/2021		<0.0004	<0.0004						5.9E-05 (J)
8/20/2021				<0.0004			<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/23/2021	0.00017 (J)							<0.0004	
8/24/2021						<0.0004			
8/25/2021					<0.0004				
2/14/2022			<0.0004					<0.0004	<0.0004
2/15/2022	0.00027 (J)								
2/16/2022		<0.0004		<0.0004	<0.0004	<0.0004			
2/17/2022							<0.0004		
7/27/2022		<0.0004							
7/28/2022				<0.0004		<0.0004	<0.0004		
7/29/2022					<0.0004			<0.0004	
8/1/2022			<0.0004						
8/2/2022	<0.0004								5.4E-05 (J)
10/21/2022	0.00022 (J)								
1/27/2023		<0.0004		<0.0004					
1/30/2023						<0.0004	<0.0004		
1/31/2023					<0.0004				
2/1/2023	0.00031 (J)		<0.0004					<0.0004	
2/7/2023									8.7E-05 (J)
8/17/2023		<0.0004							
8/18/2023				<0.0004	<0.0004	<0.0004			
8/21/2023			<0.0004					<0.0004	<0.0004
8/24/2023							<0.0004		
8/25/2023	0.00024 (J)								
1/30/2024	0.00028 (J)							<0.0004	
2/2/2024				<0.0004					
2/5/2024		<0.0004				<0.0004			
2/6/2024			<0.0004						<0.0004
2/7/2024							<0.0004		
2/8/2024					<0.0004				
8/19/2024				<0.0004					
8/20/2024		<0.0004				<0.0004		<0.0004	
8/21/2024	0.00024 (J)				<0.0004				
8/22/2024			<0.0004				<0.0004		<0.0004
2/5/2025								<0.0004	
2/6/2025				<0.0004		<0.0004			
2/10/2025		<0.0004	<0.0004						
2/11/2025	0.00027 (J)						<0.0004		<0.0004
2/12/2025					<0.0004				
8/5/2025			<0.0004						
8/6/2025									<0.0004
8/7/2025		<0.0004				<0.0004		<0.0004	
8/8/2025				<0.0004					
8/11/2025	0.00029 (J)						<0.0004		
8/12/2025					<0.0004				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	<0.0004							
3/25/2020	<0.0004							
9/3/2020		<0.0004						
9/29/2020	<0.0004							
1/28/2021					8.3E-05 (J)	<0.0004		
2/22/2021	<0.0004							
2/23/2021					0.00011 (J)	<0.0004		
3/8/2021		<0.0004						
3/29/2021		<0.0004						
3/30/2021	<0.0004				0.00021 (J)	5.2E-05 (J)		
4/19/2021			<0.0004	<0.0004				
8/18/2021				<0.0004				
8/23/2021		<0.0004			0.00013 (J)	<0.0004		
8/24/2021	<0.0004		<0.0004					
2/9/2022				<0.0004				
2/14/2022					7E-05 (J)	<0.0004		
2/15/2022		<0.0004						
2/16/2022	<0.0004							
2/17/2022			<0.0004					
4/28/2022								6.4E-05 (J)
7/26/2022				<0.0004				
7/28/2022	<0.0004					<0.0004		
8/1/2022		<0.0004	<0.0004		<0.0004			
8/2/2022								6.9E-05 (J)
1/25/2023				<0.0004				
1/31/2023	<0.0004				7.2E-05 (J)	<0.0004		
2/1/2023			<0.0004					
2/2/2023								7.2E-05 (J)
2/7/2023		<0.0004						
8/15/2023				<0.0004				
8/18/2023	<0.0004							
8/21/2023					<0.0004			
8/22/2023			<0.0004			<0.0004		
8/23/2023		<0.0004						
1/30/2024		<0.0004						
1/31/2024				<0.0004				
2/5/2024					<0.0004	<0.0004		
2/6/2024			<0.0004					
2/7/2024	<0.0004							
8/16/2024				<0.0004				
8/20/2024	<0.0004				<0.0004	<0.0004		
8/21/2024		<0.0004	<0.0004					
8/22/2024								<0.0004
12/3/2024							<0.0004	
2/5/2025				<0.0004				
2/6/2025					<0.0004			
2/7/2025						<0.0004		<0.0004
2/10/2025	<0.0004		<0.0004					
2/11/2025		<0.0004						
2/12/2025							<0.0004	
7/31/2025				<0.0004				
8/6/2025			<0.0004					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		<0.0004						
8/8/2025	<0.0004						<0.0004	
8/11/2025						<0.0004		<0.0004
8/13/2025					<0.0004			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.04						0.55		
6/7/2016						0.02		0.37	1.1
6/8/2016					1.7				
8/9/2016	0.0336 (J)								
8/10/2016						0.117			
8/11/2016					1.95		0.612		
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)				0.177			
10/5/2016							0.659		
10/6/2016					2.06				0.863
10/7/2016								0.492	
11/29/2016	0.0085 (J)								
12/1/2016		<0.04							
12/2/2016						0.0668			
12/5/2016							0.71		0.879
12/6/2016					2.05			0.515	
1/10/2017		<0.04							
2/13/2017	<0.04								
2/14/2017		<0.04				0.122			
2/15/2017					2.01		0.707		0.886
2/16/2017								0.482	
4/13/2017	0.0084 (J)								
4/14/2017		<0.04				0.054			
4/17/2017							0.675		
4/18/2017					2.58			0.515	0.941
5/25/2017	0.01 (J)	<0.04							
5/26/2017						0.0817	0.711		
6/2/2017					2.22			0.513	1.02
7/7/2017	0.009 (J)								
7/10/2017		<0.04				0.0534			
7/11/2017							0.633		
7/12/2017								0.508	
7/13/2017									0.945
7/14/2017					1.85				
10/9/2017	0.0063 (J)								
10/10/2017		<0.04				0.0515	0.619		0.908
10/11/2017					1.72			0.486	
6/12/2018	0.0058 (J)	0.0056 (J)				0.074	0.56		
6/13/2018					1.8				
6/14/2018								0.54	1
10/16/2018	0.0066 (J)	0.0071 (J)				0.16			
10/17/2018							0.61		1
10/18/2018					1.9			0.49	
4/1/2019	0.0076 (J)	0.0048 (J)				0.046 (J)	0.5		0.86 (J)
4/2/2019					1.4			0.51 (J)	
5/2/2019	0.015 (J)								
9/23/2019	0.0069 (J)	0.0052 (J)							
9/24/2019					1.6	0.06	0.51		
9/25/2019								0.49	1.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/19/2020		0.0057 (J)							
3/18/2020	0.016 (J)	0.0054 (J)				0.058 (J)			
3/19/2020					1.4		0.41		1
3/23/2020								0.5	
5/22/2020			0.024 (J)						
5/25/2020				0.018 (J)					
6/23/2020			0.019 (J)	0.015 (J)					
7/28/2020			0.03 (J)	0.024 (J)					
9/2/2020			0.022 (J)						
9/3/2020				0.022 (J)					
9/23/2020	0.0086 (J)	<0.04				0.054 (J)			
9/24/2020							0.44	0.47	
9/25/2020					1.3				1
10/1/2020			0.025 (J)	0.027 (J)					
11/10/2020			0.025 (J)	0.032 (J)					
12/15/2020			0.031 (J)	0.034 (J)					
1/20/2021			0.022 (J)	0.034 (J)					
3/23/2021		<0.04							
3/24/2021						0.04 (J)	0.45		1.2
3/25/2021			0.017 (J)	0.026 (J)					
3/26/2021	0.0094 (J)								
3/30/2021					1.4			0.56	
8/16/2021	0.013 (J)	<0.04	0.021 (J)	0.034 (J)					
8/18/2021						0.093	0.47	0.51	1.2
8/19/2021					1.3				
2/9/2022	0.0099 (J)		0.017 (J)	0.038 (J)					
2/10/2022		0.012 (J)				0.051	0.46		
2/11/2022					1.2			0.5	1.2
7/26/2022	0.014 (J)	0.013 (J)	0.022 (J)	0.017 (J)		0.052	0.47		
7/27/2022									1.2
7/28/2022					1.1			0.52	
1/24/2023	0.01 (J)	<0.04	0.016 (J)	0.014 (J)					
1/26/2023					1	0.051	0.41		1.3
1/27/2023								0.53	
8/15/2023			0.034 (J)						
8/16/2023		<0.04		0.01 (J)		0.034 (J)			1.4
8/17/2023					1		0.56	0.57	
8/21/2023	<0.04								
1/31/2024			0.023 (J)	0.024 (J)					
2/1/2024						0.04 (J)	0.48	0.51	1.6
2/2/2024					0.85				
2/5/2024		<0.04							
2/8/2024	0.022 (J)								
8/15/2024			0.014 (J)	0.016 (J)					
8/16/2024					0.77	0.023 (J)			
8/19/2024							0.5		1.5
8/20/2024								0.5	
8/21/2024	0.013 (J)	<0.04							
2/4/2025			0.022 (J)	0.022 (J)					
2/5/2025						0.029 (J)	0.52		1.9
2/6/2025		<0.04			0.83			0.51	
2/10/2025	0.018 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
7/31/2025			0.021 (J)	0.022 (J)		0.039 (J)			
8/4/2025							0.45		1.6
8/5/2025	0.013 (J)				0.69			0.48	
8/12/2025		0.0092 (J)							

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		1.7	1.5						
6/8/2016				1.2	0.49	2.6	0.12	7.6	
6/9/2016									12
8/11/2016		1.37	1.41						
8/12/2016				0.895	0.647	2.74			
8/18/2016							0.191	8.37	5.2
10/7/2016		1.49	1.76	1.33	0.868				
10/10/2016						3	0.13	9.46	6.13
12/6/2016		1.65	1.79	1.5					
12/7/2016					0.51	3.08			5.7
12/8/2016							0.144	11.1	
2/16/2017		1.73	1.63	0.753	0.68				
2/17/2017						3.63	0.0685	12.2	
2/20/2017									5.7
4/18/2017		1.77							
4/19/2017			1.47	0.762	0.701	4.68	0.0743		8.79
4/20/2017								13.3	
5/30/2017		1.52	1.7						
6/1/2017				0.663	0.383	3.57	0.0499		
6/5/2017								9.19	6.39
7/14/2017		1.26	1.26	0.787	0.645				
7/17/2017									7.06
7/18/2017						3.37	0.0544		
7/19/2017								10.6	
10/11/2017		1.36	1.37	0.889	0.594	3.54			7.18
10/12/2017							0.0494	12.7	
6/12/2018		1.3							
6/13/2018						3.6			8.3
6/14/2018			1.4	0.75			0.035 (J)	11	
6/15/2018					0.44				
10/17/2018			1.4						
10/18/2018		1.3		0.8					
10/19/2018					0.65		0.028 (J)		
10/22/2018						3.6		16.1	9
4/2/2019		1.1	0.95 (J)	0.56 (J)					
4/3/2019					0.51	2.6	0.12	7.9	6.5
5/2/2019								10.1	
9/26/2019		1.5	2.5	1.1	0.96	4.4			
9/27/2019								16.4	12
9/30/2019							0.04 (J)		
2/25/2020								11.2	
3/19/2020		1.3	1						
3/20/2020				0.53	0.29		0.03 (J)	11.1	
3/23/2020						3.5			13
5/22/2020	0.54								
6/23/2020	0.45								
7/28/2020	0.97								
9/2/2020	1.1								
9/24/2020		1.3	1.5	0.72			0.037 (J)	18.8	13.7
9/28/2020					0.4	3.7			
10/1/2020	1.2								
11/10/2020	1.1								

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
12/15/2020	1.2								
1/20/2021	1.1								
3/24/2021	0.6	1.3	1.1	0.5					
3/26/2021					0.24				15.8
3/29/2021						4.1	0.038 (J)	17.3	
7/19/2021								17.8	14
8/18/2021	1.3	1.5							
8/19/2021			1.3	0.57					
8/20/2021					0.29	3.3	0.045		
8/23/2021								17.2	14.4
11/1/2021								18.3	17
2/9/2022	0.57								
2/11/2022		1.5	1.2						
2/14/2022									18.1
2/15/2022								19.3	
2/16/2022				0.56	0.35	4.2	0.053		
7/26/2022	1.3								
7/27/2022		1.7	1.2	0.53	0.43	3.8			
7/28/2022							0.035 (J)		
8/1/2022									14.8
8/2/2022								21.5	
1/26/2023	0.69	1.6	1	0.45					
1/27/2023					0.18		0.026 (J)		
1/30/2023						4.7			
2/2/2023									13.1
2/7/2023								16.9	
8/16/2023	1.7								
8/17/2023		1.9	1.3	0.64					
8/18/2023					0.39	4.8			
8/22/2023								19.6	
8/23/2023							0.026 (J)		8.7
2/1/2024	1.7	2.2	1.2						
2/2/2024				0.41	0.22				
2/5/2024						5.9	0.039 (J)		
2/8/2024								17.5	10.1
8/16/2024	1.7								
8/19/2024		2.5	1.3	0.53	0.58				
8/20/2024						5.3			
8/21/2024								12	
8/22/2024							0.028 (J)		10.7
2/5/2025	1.7								
2/6/2025		2.7				5.4			
2/7/2025			1.2	0.5	0.4				
2/10/2025							0.025 (J)		
2/11/2025									6.7
2/13/2025								13.2	
8/4/2025	1.5								
8/5/2025		2	1.1	0.46					
8/6/2025					0.59				
8/7/2025						4.7		9.8	
8/11/2025							0.03 (J)		6

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		0.029 (J)							
6/9/2016	26								
8/15/2016		0.0228 (J)							
8/18/2016	22								
10/10/2016	18.1	0.0305 (J)							
12/7/2016	9.19								
12/8/2016		0.0164 (J)							
1/23/2017			18.6						
2/7/2017			20.4						
2/20/2017	31.4	0.0154 (J)							
3/27/2017			19.1						
4/17/2017			21.8						
4/19/2017	31.4								
4/20/2017		0.0283 (J)							
5/22/2017			26						
6/1/2017		0.0467							
6/5/2017	29		18.6						
7/11/2017			25						
7/17/2017	33.8	0.0171 (J)							
8/23/2017			20.2						
10/10/2017			17						
10/11/2017	31.7	0.0141 (J)							
6/13/2018	30.1								
6/14/2018		0.017 (J)							
6/15/2018			8.5						
10/17/2018								9.7	
10/18/2018				1.1					
10/19/2018						0.19			
10/22/2018	44.7	0.03 (J)	9.5		4		8.8		
4/2/2019			6.1 (J)					6.7 (J)	
4/3/2019	23.3								
4/4/2019		0.02 (J)		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			2.4					6.8	
9/30/2019	36.8	0.038 (J)							
11/15/2019					6.3				
2/25/2020							6.5		
2/26/2020			1.5					2.8	
2/27/2020									11
3/23/2020			2.4	0.68				3.4	
3/24/2020		0.032 (J)			3	0.22			12.3
3/25/2020	34.5						4.1		
9/2/2020									7.8
9/25/2020	30.8		2.1		5.5		3.2		
9/28/2020		0.049 (J)		0.66		0.28		4.8	
3/25/2021			1.1					5.9	
3/26/2021	31	0.17					11.2		
3/29/2021				0.7					6.8
3/30/2021					5.2	0.27			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
7/19/2021	24								
7/20/2021			1.4						
8/19/2021		0.038 (J)	2.6						5.5
8/20/2021				0.72			8.8		
8/23/2021	22.8							5.3	
8/24/2021						0.36			
8/25/2021					4				
11/1/2021	25.8		3.2						6.5
2/14/2022			3.5					5.7	7.9
2/15/2022	28.5								
2/16/2022		0.048		0.73	4.2	0.38			
2/17/2022							12.2		
7/27/2022		0.051							
7/28/2022				0.69		0.4	11		
7/29/2022					3.8			4.6	
8/1/2022			2.7						
8/2/2022	0.52								7.1
10/21/2022	19.7								
1/27/2023		0.029 (J)		0.74					
1/30/2023						0.45	13.8		
1/31/2023					4.2				
2/1/2023	18.4		3.2					3.8	
2/7/2023									1.8
8/17/2023		0.075							
8/18/2023				0.87	2.1	0.47			
8/21/2023			2.3					4.2	4.1
8/24/2023							12.3		
8/25/2023	16.9								
1/30/2024	15.7							4.6	
2/2/2024				0.7					
2/5/2024		0.097				0.38			
2/6/2024			2.9						9.9
2/7/2024							15.4		
2/8/2024					2.1				
8/19/2024				0.68					
8/20/2024		0.27				0.5		4	
8/21/2024	15.9				1.5				
8/22/2024			1.4				12.7		9.3
2/5/2025								4 (J)	
2/6/2025				0.74		0.46			
2/10/2025		0.16	1.1						
2/11/2025	12.5						12		10
2/12/2025					0.86				
8/5/2025			1.7						
8/6/2025									6.4
8/7/2025		0.17				0.44		3.1	
8/8/2025				0.7					
8/11/2025	11.7						10.5		
8/12/2025					0.92				

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	2.5							
3/25/2020	1.9							
5/4/2020		14.1						
5/20/2020		15.9						
9/3/2020		14.6						
9/29/2020	2.7							
1/28/2021					24.9	9.7		
2/23/2021					24.3	10.7		
3/29/2021		12.8						
3/30/2021	3.6				23.3	9.7		
4/19/2021			7.8	0.16				
7/20/2021		12.2						
8/18/2021				0.041				
8/23/2021		13.3			21.1	7.7		
8/24/2021	3.4		8					
2/9/2022				0.034 (J)				
2/14/2022					4.5	1.2		
2/15/2022		14.4						
2/16/2022	3.9							
2/17/2022			7.5					
4/28/2022								0.89
7/26/2022				0.035 (J)				
7/28/2022	2.9					0.87		
8/1/2022		14.4	7.5		2.9			
8/2/2022								1.4
1/25/2023				0.045				
1/31/2023	3				2.4	1.1		
2/1/2023			7.5					
2/2/2023								1
2/7/2023		6.9						
8/15/2023				0.04 (J)				
8/18/2023	2.4							
8/21/2023					3.1			
8/22/2023			8			1.9		
8/23/2023		12						
1/30/2024		12.6						
1/31/2024				0.049				
2/5/2024					1.3	0.77		
2/6/2024			8.7					
2/7/2024	2.5							
8/16/2024				0.025 (J)				
8/20/2024	2				1.4	0.45		
8/21/2024		10.5	7.7					
8/22/2024								3.2
12/3/2024							3.7	
2/5/2025				0.051				
2/6/2025					1.1			
2/7/2025						0.72		1.7
2/10/2025	1.9		8					
2/11/2025		11.9						
2/12/2025							3.2	
7/31/2025				0.027 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/6/2025			6.9					
8/7/2025		8.5						
8/8/2025	1.8						3.1	
8/11/2025						0.83		2.8
8/13/2025					1.1			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.0005						<0.0005		
6/7/2016						<0.0005		<0.0005	<0.0005
6/8/2016					<0.0005				
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016					<0.0005		<0.0005		
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			
10/5/2016							<0.0005		
10/6/2016					<0.0005				<0.0005
10/7/2016								<0.0005	
11/29/2016	<0.0005								
12/1/2016		<0.0005							
12/2/2016						<0.0005			
12/5/2016							<0.0005		<0.0005
12/6/2016					<0.0005			<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		<0.0005		<0.0005
2/16/2017								<0.0005	
4/13/2017	<0.0005								
4/14/2017		<0.0005				<0.0005			
4/17/2017							<0.0005		
4/18/2017					<0.0005			<0.0005	<0.0005
5/25/2017	<0.0005	<0.0005							
5/26/2017						<0.0005	<0.0005		
6/2/2017					<0.0005			<0.0005	<0.0005
7/7/2017	<0.0005								
7/10/2017		<0.0005				<0.0005			
7/11/2017							<0.0005		
7/12/2017								<0.0005	
7/13/2017									<0.0005
7/14/2017					<0.0005				
3/26/2018	<0.0005	<0.0005				<0.0005			
3/27/2018					<0.0005		<0.0005	<0.0005	
3/28/2018									<0.0005
6/12/2018	<0.0005	<0.0005				<0.0005	<0.0005		
6/13/2018					<0.0005				
6/14/2018								<0.0005	<0.0005
10/16/2018	<0.0005	<0.0005				<0.0005			
10/17/2018							<0.0005		<0.0005
10/18/2018					<0.0005			<0.0005	
2/25/2019	<0.0005					<0.0005			
2/27/2019		<0.0005							
2/28/2019					<0.0005			<0.0005	<0.0005
4/1/2019	<0.0005	<0.0005				<0.0005	<0.0005		<0.0005
4/2/2019					<0.0005			<0.0005	
9/23/2019	<0.0005	<0.0005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/24/2019					<0.0005	<0.0005	<0.0005		
9/25/2019								<0.0005	<0.0005
2/18/2020	<0.0005								
2/19/2020		<0.0005				<0.0005			
2/20/2020							<0.0005	<0.0005	
2/21/2020					<0.0005				
2/24/2020									<0.0005
3/18/2020	<0.0005	<0.0005				<0.0005			
3/19/2020					<0.0005		<0.0005		<0.0005
3/23/2020								<0.0005	
5/22/2020			<0.0005						
5/25/2020				<0.0005					
6/23/2020			<0.0005	<0.0005					
7/28/2020			<0.0005	<0.0005					
9/2/2020			<0.0005						
9/3/2020				<0.0005					
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005	<0.0005	
9/25/2020					<0.0005				<0.0005
10/1/2020			<0.0005	<0.0005					
11/10/2020			<0.0005	<0.0005					
12/15/2020			<0.0005	<0.0005					
1/20/2021			<0.0005	<0.0005					
2/16/2021	<0.0005	<0.0005				<0.0005			
2/17/2021			<0.0005	<0.0005			<0.0005		
2/18/2021					<0.0005			<0.0005	
2/19/2021									<0.0005
3/23/2021		<0.0005							
3/24/2021						<0.0005	<0.0005		<0.0005
3/25/2021			<0.0005	<0.0005					
3/26/2021	0.00018 (J)								
3/30/2021					<0.0005			<0.0005	
8/16/2021	<0.0005	<0.0005	<0.0005	<0.0005					
8/18/2021						<0.0005	<0.0005	<0.0005	<0.0005
8/19/2021					<0.0005				
2/9/2022	<0.0005		<0.0005	<0.0005					
2/10/2022		<0.0005				<0.0005	<0.0005		
2/11/2022					<0.0005			<0.0005	<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			<0.0005	
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005					
1/26/2023					<0.0005	<0.0005	<0.0005		<0.0005
1/27/2023								<0.0005	
8/15/2023			<0.0005						
8/16/2023		<0.0005		<0.0005		<0.0005			<0.0005
8/17/2023					<0.0005		<0.0005	<0.0005	
8/21/2023	<0.0005								
1/31/2024			<0.0005	<0.0005					
2/1/2024						<0.0005	<0.0005	<0.0005	<0.0005
2/2/2024					<0.0005				
2/5/2024		<0.0005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/8/2024	<0.0005								
8/15/2024			<0.0005	<0.0005					
8/16/2024					<0.0005	<0.0005			
8/19/2024							<0.0005		<0.0005
8/20/2024								<0.0005	
8/21/2024	<0.0005	<0.0005							
2/4/2025			<0.0005	<0.0005					
2/5/2025						<0.0005	<0.0005		<0.0005
2/6/2025		<0.0005			<0.0005			<0.0005	
2/10/2025	<0.0005								
7/31/2025			<0.0005	<0.0005		<0.0005			
8/4/2025							<0.0005		<0.0005
8/5/2025	<0.0005				<0.0005			<0.0005	
8/12/2025		<0.0005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		0.0011 (J)	<0.0005						
6/8/2016				0.00063 (J)	<0.0005	<0.0005	<0.0005	<0.0005	
6/9/2016									<0.0005
8/11/2016		0.0011	0.0001 (J)						
8/12/2016				0.0004 (J)	<0.0005	<0.0005			
8/18/2016							<0.0005	<0.0005	<0.0005
10/7/2016		0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)				
10/10/2016						<0.0005	<0.0005	<0.0005	<0.0005
12/6/2016		0.0012	0.0001 (J)	0.0006 (J)					
12/7/2016					<0.0005	<0.0005			<0.0005
12/8/2016							<0.0005	0.0002 (J)	
2/16/2017		0.0015	0.0001 (J)	0.0002 (J)	<0.0005				
2/17/2017						8E-05 (J)	<0.0005	<0.0005	
2/20/2017									<0.0005
4/18/2017		0.0012							
4/19/2017			0.0001 (J)	9E-05 (J)	<0.0005	<0.0005	<0.0005		<0.0005
4/20/2017								<0.0005	
5/30/2017		0.0011	0.0002 (J)						
6/1/2017				0.0003 (J)	0.0001 (J)	<0.0005	<0.0005		
6/5/2017								<0.0005	<0.0005
7/14/2017		0.0012	0.0002 (J)	0.0002 (J)	<0.0005				
7/17/2017									<0.0005
7/18/2017						<0.0005	<0.0005		
7/19/2017								<0.0005	
3/27/2018		0.0013	<0.0005	<0.0005	<0.0005				
3/28/2018						<0.0005	<0.0005		
3/29/2018								<0.0005	<0.0005
6/12/2018		0.0011							
6/13/2018						<0.0005			<0.0005
6/14/2018			0.00015 (J)	<0.0005			<0.0005	<0.0005	
6/15/2018					<0.0005				
10/17/2018			<0.0005						
10/18/2018		0.0012		0.00032 (J)					
10/19/2018					<0.0005		<0.0005		
10/22/2018						<0.0005		<0.0005	<0.0005
2/25/2019		0.0016							
2/27/2019			<0.0005	<0.0005		<0.0005			
3/1/2019					<0.0005			0.00013 (J)	0.00019 (J)
4/2/2019		0.0014	<0.0005	7.3E-05 (J)					
4/3/2019					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/26/2019		0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005			
9/27/2019								<0.0005	<0.0005
9/30/2019							<0.0005		
2/20/2020		0.0019 (J)							
2/24/2020			<0.0005	0.00024 (J)	<0.0005	<0.0005			
2/25/2020								<0.0005	<0.0005
2/26/2020							<0.0005		
3/19/2020		0.0017 (J)	<0.0005						
3/20/2020				<0.0005	<0.0005		<0.0005	<0.0005	
3/23/2020						<0.0005			<0.0005
5/22/2020	<0.0005								
6/23/2020	<0.0005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
7/28/2020	<0.0005								
9/2/2020	0.00014 (J)								
9/24/2020		0.0018 (J)	0.00024 (J)	<0.0005			<0.0005	0.00033 (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 (J)								
1/20/2021	<0.0005								
2/18/2021	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005			
2/19/2021							<0.0005	0.00038 (J)	<0.0005
3/24/2021	0.00016 (J)	0.0018	<0.0005	<0.0005					
3/26/2021					<0.0005				<0.0005
3/29/2021						<0.0005	<0.0005	<0.0005	
8/18/2021	0.00021 (J)	0.0018							
8/19/2021			0.00017 (J)	<0.0005					
8/20/2021					<0.0005	<0.0005	<0.0005		
8/23/2021								0.00019 (J)	<0.0005
2/9/2022	0.00021 (J)								
2/11/2022		0.0019	0.00016 (J)						
2/14/2022									<0.0005
2/15/2022								0.0002 (J)	
2/16/2022				<0.0005	<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			
7/28/2022							<0.0005		
8/1/2022									<0.0005
8/2/2022								0.00012 (J)	
1/26/2023	<0.0005	0.0021	<0.0005	<0.0005					
1/27/2023					<0.0005		<0.0005		
1/30/2023						<0.0005			
2/2/2023									<0.0005
2/7/2023								0.001	
8/16/2023	0.00057								
8/17/2023		0.002	0.00028 (J)	<0.0005					
8/18/2023					<0.0005	<0.0005			
8/22/2023								0.00091	
8/23/2023							<0.0005		<0.0005
2/1/2024	0.0005	0.0024	0.00023 (J)						
2/2/2024				<0.0005	<0.0005				
2/5/2024						<0.0005	<0.0005		
2/8/2024								0.0014	<0.0005
8/16/2024	0.00078								
8/19/2024		0.0022	0.00031 (J)	<0.0005	<0.0005				
8/20/2024						<0.0005			
8/21/2024								0.0009	
8/22/2024							<0.0005		<0.0005
2/5/2025	0.00073								
2/6/2025		0.0035				<0.0005			
2/7/2025			0.00019 (J)	<0.0005	<0.0005				
2/10/2025							<0.0005		
2/11/2025									<0.0005
2/13/2025								0.0013	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/4/2025	0.0005								
8/5/2025		0.0021	<0.0005	<0.0005					
8/6/2025					<0.0005				
8/7/2025						<0.0005		0.00022 (J)	
8/11/2025							<0.0005		<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.0005							
6/9/2016	0.00052 (J)								
8/15/2016		<0.0005							
8/18/2016	0.0009 (J)								
10/10/2016	0.0017	<0.0005							
12/7/2016	0.0004 (J)								
12/8/2016		<0.0005							
1/23/2017			0.0003 (J)						
2/7/2017			0.0006 (J)						
2/20/2017	0.0028	<0.0005							
3/27/2017			0.0003 (J)						
4/17/2017			0.0002 (J)						
4/19/2017	0.0035								
4/20/2017		<0.0005							
5/22/2017			0.0003 (J)						
6/1/2017		<0.0005							
6/5/2017	0.0035		0.0003 (J)						
7/11/2017			0.0005 (J)						
7/17/2017	0.0037	<0.0005							
8/23/2017			0.0004 (J)						
3/26/2018			<0.0005						
3/28/2018		<0.0005							
3/29/2018	0.0063								
6/13/2018	0.0053								
6/14/2018		<0.0005							
6/15/2018			0.0002 (J)						
10/17/2018								<0.0005	
10/18/2018				<0.0005					
10/19/2018						<0.0005			
10/22/2018	0.0053	<0.0005	<0.0005		<0.0005		<0.0005		
3/1/2019	0.0058	<0.0005	<0.0005						
4/2/2019			7.9E-05 (J)					<0.0005	
4/3/2019	0.0053								
4/4/2019		<0.0005		<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					<0.0005	
9/30/2019	0.0075	<0.0005							
2/25/2020							<0.0005		
2/26/2020	0.0064	<0.0005	<0.0005	<0.0005				<0.0005	
2/27/2020					<0.0005	<0.0005			0.00081 (J)
3/23/2020			<0.0005	<0.0005				<0.0005	
3/24/2020		<0.0005			<0.0005	<0.0005			<0.0005
3/25/2020	0.0082						<0.0005		
9/2/2020									0.00032 (J)
9/25/2020	0.0081		<0.0005		<0.0005		<0.0005		
9/28/2020		<0.0005		<0.0005		<0.0005		<0.0005	
2/19/2021	0.0068					<0.0005			
2/22/2021				<0.0005			<0.0005		
2/23/2021		<0.0005			<0.0005				
3/8/2021			<0.0005					<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
3/9/2021									<0.0005
3/25/2021			<0.0005					<0.0005	
3/26/2021	0.0062	<0.0005					<0.0005		
3/29/2021				<0.0005					<0.0005
3/30/2021					<0.0005	<0.0005			
8/19/2021		<0.0005	<0.0005						<0.0005
8/20/2021				<0.0005			<0.0005		
8/23/2021	0.0039							<0.0005	
8/24/2021						<0.0005			
8/25/2021					<0.0005				
2/14/2022			<0.0005					<0.0005	<0.0005
2/15/2022	0.0042								
2/16/2022		<0.0005		<0.0005	<0.0005	<0.0005			
2/17/2022							<0.0005		
7/27/2022		<0.0005							
7/28/2022				<0.0005		<0.0005	<0.0005		
7/29/2022					<0.0005			<0.0005	
8/1/2022			<0.0005						
8/2/2022	0.00026 (J)								<0.0005
10/21/2022	0.0031								
1/27/2023		<0.0005		<0.0005					
1/30/2023						<0.0005	<0.0005		
1/31/2023					<0.0005				
2/1/2023	0.0032		<0.0005					<0.0005	
2/7/2023									<0.0005
8/17/2023		<0.0005							
8/18/2023				<0.0005	<0.0005	<0.0005			
8/21/2023			<0.0005					<0.0005	<0.0005
8/24/2023							<0.0005		
8/25/2023	0.0033								
1/30/2024	0.0022							<0.0005	
2/2/2024				<0.0005					
2/5/2024		<0.0005				<0.0005			
2/6/2024			<0.0005						<0.0005
2/7/2024							<0.0005		
2/8/2024					<0.0005				
8/19/2024				<0.0005					
8/20/2024		<0.0005				<0.0005		<0.0005	
8/21/2024	0.0017				<0.0005				
8/22/2024			<0.0005				<0.0005		0.00016 (J)
2/5/2025								<0.0005	
2/6/2025				<0.0005		<0.0005			
2/10/2025		<0.0005	<0.0005						
2/11/2025	0.0017						<0.0005		0.00044 (J)
2/12/2025					<0.0005				
8/5/2025			<0.0005						
8/6/2025									<0.0005
8/7/2025		<0.0005				<0.0005		<0.0005	
8/8/2025				<0.0005					
8/11/2025	0.0019						<0.0005		
8/12/2025					<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	<0.0005							
3/25/2020	<0.0005							
9/3/2020		0.0011 (J)						
9/29/2020	<0.0005							
1/28/2021					0.00031 (J)	0.00025 (J)		
2/22/2021	<0.0005							
2/23/2021					0.00043 (J)	<0.0005		
3/8/2021		0.0003 (J)						
3/29/2021		0.00019 (J)						
3/30/2021	<0.0005				0.0007	0.00018 (J)		
4/19/2021			<0.0005	<0.0005				
8/18/2021				<0.0005				
8/23/2021		0.00036 (J)			0.00043 (J)	0.00018 (J)		
8/24/2021	<0.0005		<0.0005					
2/9/2022				<0.0005				
2/14/2022					<0.0005	<0.0005		
2/15/2022		0.0015						
2/16/2022	<0.0005							
2/17/2022			<0.0005					
4/28/2022								<0.0005
7/26/2022				<0.0005				
7/28/2022	<0.0005					<0.0005		
8/1/2022		0.0011	<0.0005		<0.0005			
8/2/2022								0.00015 (J)
1/25/2023				<0.0005				
1/31/2023	<0.0005				<0.0005	<0.0005		
2/1/2023			<0.0005					
2/2/2023								<0.0005
2/7/2023		0.00014 (J)						
8/15/2023				<0.0005				
8/18/2023	<0.0005							
8/21/2023					<0.0005			
8/22/2023			<0.0005			<0.0005		
8/23/2023		0.00029 (J)						
1/30/2024		0.00034 (J)						
1/31/2024				<0.0005				
2/5/2024					<0.0005	<0.0005		
2/6/2024			<0.0005					
2/7/2024	<0.0005							
8/16/2024				<0.0005				
8/20/2024	<0.0005				<0.0005	<0.0005		
8/21/2024		0.00044 (J)	<0.0005					
8/22/2024								0.0002 (J)
12/3/2024							<0.0005	
2/5/2025				<0.0005				
2/6/2025					<0.0005			
2/7/2025						<0.0005		<0.0005
2/10/2025	<0.0005		<0.0005					
2/11/2025		0.00043 (J)						
2/12/2025							<0.0005	
7/31/2025				<0.0005				
8/6/2025			<0.0005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		0.00047 (J)						
8/8/2025	<0.0005						<0.0005	
8/11/2025						<0.0005		0.00014 (J)
8/13/2025					<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	39						66		
6/7/2016						7.9		50	90
6/8/2016					140				
8/9/2016	32.2								
8/10/2016						36.8			
8/11/2016					141		65.2		
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				39.7			
10/5/2016							66.7		
10/6/2016					147				78.7
10/7/2016								52.6	
11/29/2016	29.7								
12/1/2016		19.8							
12/2/2016						37.8			
12/5/2016							74.6		80.9
12/6/2016					146			55.4	
1/10/2017		20.4							
2/13/2017	31.2								
2/14/2017		20.9				35.2			
2/15/2017					163		74.6		90.7
2/16/2017								53.2	
4/13/2017	30.5								
4/14/2017		20.7 (J)				37.5			
4/17/2017							65.6		
4/18/2017					155			58	94.8
5/25/2017	33.8	22.8 (J)							
5/26/2017						41.7	70.4		
6/2/2017					156			55.8	108
7/7/2017	33.1								
7/10/2017		22.3				39			
7/11/2017							66.9		
7/12/2017								58.1	
7/13/2017									111
7/14/2017					157				
10/9/2017	33.6								
10/10/2017		4.09				36.9	61.7		93
10/11/2017					137			55.7	
6/12/2018	32.4	20.3 (J)				38.1	53.4		
6/13/2018					151				
6/14/2018								58.4	109
10/16/2018	34.6	19.4 (J)				44.8			
10/17/2018							63		110
10/18/2018					154			57.8	
4/1/2019	48.2	24.6				47.2	59.3		94.8
4/2/2019					140			57.8	
5/2/2019	44.8								
9/23/2019	36.3	19.2							
9/24/2019					151	42.4	57.6		
9/25/2019								58.1	115

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/19/2020		20.8							
3/18/2020	40.1	22.4				43			
3/19/2020					142		61.5		120
3/23/2020								61.1	
5/22/2020			74						
5/25/2020				36.5					
6/23/2020			99.5	39.4					
7/28/2020			96.2	40.3					
9/2/2020			109						
9/3/2020				51.8					
9/23/2020	45.2	20.1				41.6			
9/24/2020							59	58.8	
9/25/2020					138				135
10/1/2020			107	61.9					
11/10/2020			117	80.3					
12/15/2020			110	70.3					
1/20/2021			111	67.5					
3/23/2021		22.1							
3/24/2021						42.1	59.9		144
3/25/2021			109	68.3					
3/26/2021	46.7								
3/30/2021					145			61.3	
8/16/2021	48.3	21.5	108	61					
8/18/2021						44.5	63	61.1	156
8/19/2021					141				
2/9/2022	52.3		112	46.3					
2/10/2022		20.3				44.9	65.6		
2/11/2022					148			66.2	164
7/26/2022	46.7	20	105	34.5		41.8	66.3		
7/27/2022									175
7/28/2022					136			63	
1/24/2023	51.4	21	109	40.7					
1/26/2023					146	42.8	62.4		178
1/27/2023								64	
8/15/2023			102						
8/16/2023		20.9		37.7		38.8			178
8/17/2023					125		66.9	62.2	
8/21/2023	49.5								
1/31/2024			102	38.7					
2/1/2024						39.9	60.1	62.8	194
2/2/2024					119				
2/5/2024		20.5							
2/8/2024	48.6								
8/15/2024			105	40.6					
8/16/2024					120	42.8			
8/19/2024							74.8		204
8/20/2024								73.1	
8/21/2024	54.8	23.1							
2/4/2025			108	42.6					
2/5/2025						44.5	72.8		224
2/6/2025		23			125			71.4	
2/10/2025	50.1								

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
7/31/2025			113	42.2		42.9			
8/4/2025							62.2		175
8/5/2025	45.7				101			61.8	
8/12/2025		20.1							

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		120	65						
6/8/2016				76	55	200	43	350	
6/9/2016									300
8/11/2016		111	61						
8/12/2016				61.7	61.2	196			
8/18/2016							38.6	370	290
10/7/2016		103	71	84.7	70.2				
10/10/2016						198	37.5	375	296
12/6/2016		117	68.7	88.1					
12/7/2016					48.6	215			271
12/8/2016							43.4	434	
2/16/2017		124	65.5	53.7	64.7				
2/17/2017						221	41	434	
2/20/2017									323
4/18/2017		120							
4/19/2017			68.9	57.1	69.5	240	39.4		298
4/20/2017								422	
5/30/2017		111	72.6						
6/1/2017				44.8	50.8	286	42.3		
6/5/2017								398	310
7/14/2017		109	70.6	60	67				
7/17/2017									319
7/18/2017						244	40.9		
7/19/2017								461	
10/11/2017		109	67.3	67	57.3	222			438
10/12/2017							43.3	515	
6/12/2018		104							
6/13/2018						234			385
6/14/2018			65.7	53.1			39.4	482	
6/15/2018					49.7				
10/17/2018			69.7						
10/18/2018		112		60.4					
10/19/2018					63.1		40.6		
10/22/2018						241		575	424
4/2/2019		117	63.9	53.3					
4/3/2019					51.3	220	43.4	458	396
5/2/2019								647	
9/26/2019		136	94.2	91.7	80.8	243			
9/27/2019								658	533
9/30/2019							43.2		
2/25/2020								445	
3/19/2020		130	68.1						
3/20/2020				49.3	52.1		48.2	514	
3/23/2020						253			602
5/22/2020	73.4								
6/23/2020	80.1								
7/28/2020	140								
9/2/2020	159								
9/24/2020		141	84.9	68.7			42	750	647
9/28/2020					50.1	273			
10/1/2020	162								
11/10/2020	170								

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
12/15/2020	169								
1/20/2021	157								
3/24/2021	91.9	140	72	48.2					
3/26/2021					46.4				717
3/29/2021						296	46.6	714	
7/19/2021								693	728
8/18/2021	166	139							
8/19/2021			74	49.2					
8/20/2021					47.2	262	45.1		
8/23/2021								681	638
11/1/2021								708	695
2/9/2022	97.5								
2/11/2022		160	83.5						
2/14/2022									740
2/15/2022								680	
2/16/2022				49	60.5	288	44.1		
7/26/2022	185								
7/27/2022		194	80.9	65.9	63.2	284			
7/28/2022							43.1		
8/1/2022									559
8/2/2022								717	
1/26/2023	117	178	76.2	41.4					
1/27/2023					39.3		46.5		
1/30/2023						309			
2/2/2023									543
2/7/2023								583	
8/16/2023	196								
8/17/2023		187	75.4	57					
8/18/2023					56.5	309			
8/22/2023								793	
8/23/2023							43.9		332
2/1/2024	177	203	79.9						
2/2/2024				44.9	51.7				
2/5/2024						309	45.9		
2/8/2024								561	347
8/16/2024	227								
8/19/2024		233	96	68.4	84.7				
8/20/2024						345			
8/21/2024								710	
8/22/2024							47.9		391
2/5/2025	215								
2/6/2025		221				327			
2/7/2025			86.6	52	70.6				
2/10/2025							45.6		
2/11/2025									280
2/13/2025								427	
8/4/2025	177								
8/5/2025		153	82.1	64.9					
8/6/2025					75.1				
8/7/2025						267		252	
8/11/2025							43.5		228

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		32							
6/9/2016	800								
8/15/2016		33.1							
8/18/2016	730								
10/10/2016	680	41							
12/7/2016	387								
12/8/2016		38.5							
1/23/2017			372						
2/7/2017			351						
2/20/2017	823	40.7							
3/27/2017			417						
4/17/2017			415						
4/19/2017	893 (J)								
4/20/2017		40.7							
5/22/2017			885						
6/1/2017		44.2							
6/5/2017	1080		413						
7/11/2017			449						
7/17/2017	1120	41.9							
8/23/2017			409						
10/10/2017			339						
10/11/2017	1310	41.1							
6/13/2018	970								
6/14/2018		44.8							
6/15/2018			198						
10/17/2018								262	
10/18/2018				90.1					
10/19/2018						105			
10/22/2018	1150	52.2	230		234		384		
4/2/2019			181					200	
4/3/2019	945								
4/4/2019		54.8		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			103					184	
9/30/2019	1050	47.8							
11/15/2019					346				
2/25/2020							341		
2/26/2020			85.3					107	
2/27/2020									268
3/23/2020			107	72.5				122	
3/24/2020		49.6			210	112			314
3/25/2020	1100						234		
9/2/2020									228
9/25/2020	998		93.3		338		169		
9/28/2020		50.7		77.8		117		165	
3/25/2021			81.1					162	
3/26/2021	821	52.8					529		
3/29/2021				77.2					161
3/30/2021					289	112			

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
7/19/2021	717								
7/20/2021			87.8						
8/19/2021		51.2	109						124
8/20/2021				78.7			379		
8/23/2021	827							174	
8/24/2021						110			
8/25/2021					244				
11/1/2021	808		108						144
2/14/2022			129					188	187
2/15/2022	791								
2/16/2022		51.4		81.4	247	127			
2/17/2022							483		
7/27/2022		52.1							
7/28/2022				75.4		123	403		
7/29/2022					226			156	
8/1/2022			111						
8/2/2022	90								186
10/21/2022	600								
1/27/2023		48.8		75.9					
1/30/2023						121	607		
1/31/2023					256				
2/1/2023	552		113					132	
2/7/2023									61.3
8/17/2023		48.1							
8/18/2023				74.5	172	113			
8/21/2023			98.8					159	110
8/24/2023							584		
8/25/2023	486								
1/30/2024	413							166	
2/2/2024				79.3					
2/5/2024		57.6				129			
2/6/2024			109						221
2/7/2024							636		
2/8/2024					152				
8/19/2024				78.7					
8/20/2024		72				142		158	
8/21/2024	352				159				
8/22/2024			69.5				589		240
2/5/2025								161	
2/6/2025				86.9		138			
2/10/2025		66	69.4						
2/11/2025	377						554		236
2/12/2025					133				
8/5/2025			80.8						
8/6/2025									156
8/7/2025		54.8				117		118	
8/8/2025				76.9					
8/11/2025	337						464		
8/12/2025					126				

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	162							
3/25/2020	160							
5/4/2020		361						
5/20/2020		335						
9/3/2020		383						
9/29/2020	165							
1/28/2021					624	350		
2/23/2021					674	379		
3/29/2021		326						
3/30/2021	158				562	353		
4/19/2021			204	50.8				
7/20/2021		297						
8/18/2021				56.7				
8/23/2021		349			561	286		
8/24/2021	150		238					
2/9/2022				60.3				
2/14/2022					155	72.8		
2/15/2022		344						
2/16/2022	155							
2/17/2022			239					
4/28/2022								96.9
7/26/2022				61.1				
7/28/2022	138					52.3		
8/1/2022		350	236		112			
8/2/2022								125
1/25/2023				65				
1/31/2023	133				111	62.8		
2/1/2023			236					
2/2/2023								96.8
2/7/2023		184						
8/15/2023				68.8				
8/18/2023	114							
8/21/2023					123			
8/22/2023			219			85.7		
8/23/2023		314						
1/30/2024		290						
1/31/2024				67.8				
2/5/2024					73.1	57.8		
2/6/2024			213					
2/7/2024	116							
8/16/2024				66.4				
8/20/2024	127				84.2	53.4		
8/21/2024		279	213					
8/22/2024								205
12/3/2024							228	
2/5/2025				75				
2/6/2025					79.3			
2/7/2025						60.5		141
2/10/2025	114		226					
2/11/2025		316						
2/12/2025							198	
7/31/2025				59.8				

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/6/2025			204					
8/7/2025		206						
8/8/2025	103						165	
8/11/2025						67.8		169
8/13/2025					80.1			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	2.9						27		
6/7/2016						2		19	44
6/8/2016					11				
8/9/2016	2.5								
8/10/2016						2.1			
8/11/2016					11		30		
8/12/2016									43
8/16/2016								20	
8/22/2016		4.2							
10/3/2016	2.5								
10/4/2016		2.1				2.3			
10/5/2016							36		
10/6/2016					11				41
10/7/2016								21	
11/29/2016	2.6								
12/1/2016		1.8							
12/2/2016						2.1			
12/5/2016							40		41
12/6/2016					11			22	
1/10/2017		1.6							
2/13/2017	2.1								
2/14/2017		1.9				2			
2/15/2017					12		38		39
2/16/2017								22	
4/13/2017	2.1								
4/14/2017		1.5				1.7			
4/17/2017							35		
4/18/2017					12			21	39
5/25/2017	2.4	1.5							
5/26/2017						1.6	35		
6/2/2017					11			20	37
7/7/2017	1.9								
7/10/2017		1.6				1.5			
7/11/2017							33		
7/12/2017								23	
7/13/2017									38
7/14/2017					11				
10/9/2017	1.9								
10/10/2017		1.7				1.9	35		38
10/11/2017					12			24	
6/12/2018	3.4	1.8				2.3	21.3		
6/13/2018					10.8				
6/14/2018								23.1	30.5
10/16/2018	3.3	1.5				2.6			
10/17/2018							29.4		30.7
10/18/2018					11.7			26.9	
4/1/2019	4.2	1.6				1.8	13.4		24.1
4/2/2019					9.4			24.1	
5/2/2019	4.3								
9/23/2019	3.1	1.2							
9/24/2019					8	1.5	13.2		
9/25/2019								25.1	23.6

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/19/2020		1.3							
3/18/2020	3.1	1.4				1.5			
3/19/2020					8.4		7.3		20.5
3/23/2020								20.8	
5/22/2020			6.6						
5/25/2020				4					
6/23/2020			5.9	5.5					
7/28/2020			5.9	4.6					
9/2/2020			6						
9/3/2020				6.3					
9/23/2020	4.2	1.1				1.5			
9/24/2020							9.2	25.4	
9/25/2020					13.1				20.2
10/1/2020			6	7.5					
11/10/2020			5.5	7.7					
12/15/2020			6.3	8					
1/20/2021			5.7	7.2					
3/23/2021		1.2							
3/24/2021						1.5	8		18.4
3/25/2021			5.7	7.5					
3/26/2021	3.6								
3/30/2021					8.8			23.8	
8/16/2021	3.4	1.1	5.7	8					
8/18/2021						1.7	8.5	25.1	15.8
8/19/2021					7.6				
2/9/2022	3.7		5.4	8.9					
2/10/2022		1.2				1.6	8.9		
2/11/2022					8			28.2	16.4
7/26/2022	3.2	0.97 (J)	5.5	4.6		1.6	10.9		
7/27/2022									16.2
7/28/2022					8.9			30	
1/24/2023	3.4	1.5	5.2	4.3					
1/26/2023					7.5	1.7	7.5		14.5
1/27/2023								28.2	
8/15/2023			4.9						
8/16/2023		1.3		4.3		1.7			13.7
8/17/2023					8		10.7	29.2	
8/21/2023	2.9								
1/31/2024			4.7	7.3					
2/1/2024						1.5	9.3	30.1	14.2
2/2/2024					6.5				
2/5/2024		1.1							
2/8/2024	3.2								
8/15/2024			4.5	6.1					
8/16/2024					6.7	1.6			
8/19/2024							11.7		14.3
8/20/2024								29.8	
8/21/2024	3.4	1.2							
2/4/2025			4.6	5.8					
2/5/2025						1.4	9.6		13.2
2/6/2025		0.96 (J)			6.1			28.6	
2/10/2025	3.1								

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
7/31/2025			4.7	7.6		1.7			
8/4/2025							8.5		13.5
8/5/2025	3				6.8			29.1	
8/12/2025		1.4							

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		37	26						
6/8/2016				48	23	130	7.1	440	
6/9/2016									480
8/11/2016		41	34						
8/12/2016				27	26	130			
8/18/2016							6.9	500	400
10/7/2016		44	38	72	41				
10/10/2016						140	7.1	480	390
12/6/2016		48	45	73					
12/7/2016					23	130			450
12/8/2016							6.3	540	
2/16/2017		46	40	19	31				
2/17/2017						140	5.6	570	
2/20/2017									470
4/18/2017		41							
4/19/2017			38	13	30	140	5		420
4/20/2017								740	
5/30/2017		38	41						
6/1/2017				8	13	130	4.9		
6/5/2017								530	450
7/14/2017		35	36	11	19				
7/17/2017									470
7/18/2017						140	4.2		
7/19/2017								540	
10/11/2017		36	45	24	19	130			510
10/12/2017							4.8	700	
6/12/2018		27.2							
6/13/2018						150			598
6/14/2018			33.3	7.3			3.3	725	
6/15/2018					9.3				
10/17/2018			41.8						
10/18/2018		25.2		10.9					
10/19/2018					15.3		4.1		
10/22/2018						149		827	639
4/2/2019		20.3	18.7	4.5					
4/3/2019					9.7	144	5	856	679
5/2/2019								999	
9/26/2019		28.7	47.1	60.5	26	128			
9/27/2019								996	918
9/30/2019							4.7		
2/25/2020								547	
3/19/2020		22	21.9						
3/20/2020				5.3	6.6		4.2	665	
3/23/2020						125			788
5/22/2020	32								
6/23/2020	15.7								
7/28/2020	20.6								
9/2/2020	18.9								
9/24/2020		28.8	50.1	30.3			4	1050	988
9/28/2020					8.6	152			
10/1/2020	18.6								
11/10/2020	19.6								

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
12/15/2020	20.7								
1/20/2021	21.9								
3/24/2021	14.1	24	35.6	6.1					
3/26/2021					5.8				928
3/29/2021						131	5	886	
7/19/2021								579	570
8/18/2021	17.1	19.9							
8/19/2021			38.2	10.4					
8/20/2021					4.4	144	4.4		
8/23/2021								879	898
11/1/2021								744	688
2/9/2022	10.8								
2/11/2022		22.3	38.5						
2/14/2022									925
2/15/2022								789	
2/16/2022				7.7	6.7	141	4		
7/26/2022	19.6								
7/27/2022		23.1	43.2	14.9	7.8	169			
7/28/2022							4.7		
8/1/2022									794
8/2/2022								828	
1/26/2023	10.9	18.3	34	5.9					
1/27/2023					3.1		6.1		
1/30/2023						156			
2/2/2023									737
2/7/2023								803	
8/16/2023	18.2								
8/17/2023		18.2	39.5	12.6					
8/18/2023					5.9	145			
8/22/2023								1020	
8/23/2023							5		439
2/1/2024	17.3	18.5	41.8						
2/2/2024				5.3	3.5				
2/5/2024						140	5.2		
2/8/2024								679	493
8/16/2024	19.7								
8/19/2024		16.3	41.7	7	<1				
8/20/2024						135			
8/21/2024								815	
8/22/2024							5.2		482
2/5/2025	20.6								
2/6/2025		13.1				118			
2/7/2025			35.9	5.6	6.5				
2/10/2025							4.7		
2/11/2025									277
2/13/2025								381	
8/4/2025	21.4								
8/5/2025		9.8	32.4	5.3					
8/6/2025					11.1				
8/7/2025						130		262	
8/11/2025							4.9		291

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		6.4							
6/9/2016	1900								
8/15/2016		4.3							
8/18/2016	1600								
10/10/2016	1400	3.5							
12/7/2016	970								
12/8/2016		2.8							
1/23/2017			780						
2/7/2017			780						
2/20/2017	1900	4.2							
3/27/2017			790						
4/17/2017			770						
4/19/2017	1900								
4/20/2017		4.1							
5/22/2017			890						
6/1/2017		4.4							
6/5/2017	1900		870						
7/11/2017			840						
7/17/2017	2100	5							
8/23/2017			800						
10/10/2017			730						
10/11/2017	1600	4.1							
6/13/2018	1880								
6/14/2018		3.4							
6/15/2018			390						
10/17/2018								492	
10/18/2018				51.2					
10/19/2018						28			
10/22/2018	2050	3.9	400		274		573		
4/2/2019			333					378	
4/3/2019	1890								
4/4/2019		3.8		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			143					357	
9/30/2019	2040	5.2							
11/15/2019					455				
2/25/2020							441		
2/26/2020			100					185	
2/27/2020									386
3/23/2020			117	28.4				187	
3/24/2020		3.6			203	28.4			445
3/25/2020	1670						291		
9/2/2020									309
9/25/2020	1640		127		449		435		
9/28/2020		5.6		34.5		36.6		277	
3/25/2021			85.5					248	
3/26/2021	1240	5.7					696		
3/29/2021				9.4					227
3/30/2021					355	37.2			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
7/19/2021	575								
7/20/2021			95.3						
8/19/2021		5.1	117						155
8/20/2021				34.9			545		
8/23/2021	1250							268	
8/24/2021						40.1			
8/25/2021					274				
11/1/2021	661		133						206
2/14/2022			146					241	237
2/15/2022	1120								
2/16/2022		5.7		30.9	262	39.2			
2/17/2022							627		
7/27/2022		6.2							
7/28/2022				32.9		44.9	666		
7/29/2022					292			283	
8/1/2022			114						
8/2/2022	17.1								244
10/21/2022	836								
1/27/2023		5.4		30					
1/30/2023						45.7	851		
1/31/2023					298				
2/1/2023	789		154					240	
2/7/2023									93.7
8/17/2023		11.4							
8/18/2023				30.3	193	43.1			
8/21/2023			97.6					225	153
8/24/2023							740		
8/25/2023	641								
1/30/2024	533							240	
2/2/2024				28.9					
2/5/2024		17.6				46.2			
2/6/2024			123						317
2/7/2024							868		
2/8/2024					196				
8/19/2024				29.2					
8/20/2024		34				49.8		208	
8/21/2024	352				172				
8/22/2024			72.4				731		281
2/5/2025								196	
2/6/2025				28.7		48.5			
2/10/2025		24.2	63.2						
2/11/2025	352						474		258
2/12/2025					148				
8/5/2025			98.5						
8/6/2025									231
8/7/2025		21.9				48.5		197	
8/8/2025				26.6					
8/11/2025	390						657		
8/12/2025					177 (M1)				

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	254							
3/25/2020	219							
5/4/2020		535						
5/20/2020		550						
9/3/2020		564						
9/29/2020	218							
1/28/2021					835	484		
2/23/2021					845	489		
3/29/2021		443						
3/30/2021	175				772	472		
4/19/2021			419	25.6				
7/20/2021		384						
8/18/2021				10				
8/23/2021		478			756	384		
8/24/2021	156		433					
2/9/2022				15.3				
2/14/2022					128	46.8		
2/15/2022		496						
2/16/2022	150							
2/17/2022			410					
4/28/2022								13.1
7/26/2022				18.2				
7/28/2022	149					33.9		
8/1/2022		487	415		95.4			
8/2/2022								18.2
1/25/2023				27.6				
1/31/2023	123				85.6	41.5		
2/1/2023			468					
2/2/2023								12.6
2/7/2023		226						
8/15/2023				23.8				
8/18/2023	94.2							
8/21/2023					108			
8/22/2023			421			64.6		
8/23/2023		396						
1/30/2024		446						
1/31/2024				25.6				
2/5/2024					42.6	34		
2/6/2024			442					
2/7/2024	97.3							
8/16/2024				11.6				
8/20/2024	80.3				41.9	15.4		
8/21/2024		394	412					
8/22/2024								24.7
12/3/2024							43.8	
2/5/2025				20				
2/6/2025					34.5			
2/7/2025						31.3		16.2
2/10/2025	79.1		377					
2/11/2025		345						
2/12/2025							41.4	
7/31/2025				11				

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/6/2025			418 (M1)					
8/7/2025		279						
8/8/2025	58.6						40.1	
8/11/2025						31.4		25
8/13/2025					46.1			

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.005						<0.005		
6/7/2016						<0.005		<0.005	<0.005
6/8/2016					<0.005				
8/9/2016	0.0019 (J)								
8/10/2016						0.0052 (J)			
8/11/2016					<0.005		<0.005		
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)				0.0015 (J)			
10/5/2016							0.002 (J)		
10/6/2016					<0.005				<0.005
10/7/2016								<0.005	
11/29/2016	<0.005								
12/1/2016		<0.005							
12/2/2016						0.0013 (J)			
12/5/2016							<0.005		<0.005
12/6/2016					<0.005			<0.005	
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017					<0.005		<0.005		<0.005
2/16/2017								<0.005	
4/13/2017	0.0005 (J)								
4/14/2017		0.0005 (J)				0.0011 (J)			
4/17/2017							<0.005		
4/18/2017					<0.005			<0.005	<0.005
5/25/2017	<0.005	0.0004 (J)							
5/26/2017						0.0008 (J)	<0.005		
6/2/2017					<0.005			<0.005	0.0003 (J)
7/7/2017	0.0008 (J)								
7/10/2017		0.0005 (J)				0.0009 (J)			
7/11/2017							<0.005		
7/12/2017								<0.005	
7/13/2017									<0.005
7/14/2017					<0.005				
3/26/2018	<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					<0.005			
2/27/2019		<0.005							
2/28/2019					<0.005			<0.005	<0.005
4/1/2019	<0.005	<0.005				0.00091 (J)	<0.005		<0.005
4/2/2019					<0.005			<0.005	
9/23/2019	<0.005	0.00047 (J)							
9/24/2019					0.00055 (J)	0.063	<0.005		
9/25/2019								<0.005	0.00055 (J)
2/18/2020	0.00048 (J)								
2/19/2020		0.00053 (J)				0.0011 (J)			
2/20/2020							<0.005	<0.005	
2/21/2020					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/24/2020									<0.005
3/18/2020	<0.005	0.00052 (J)				0.0014 (J)			
3/19/2020					0.00061 (J)		<0.005		0.0004 (J)
3/23/2020								0.0011 (J)	
5/22/2020			0.00044 (J)						
5/25/2020				<0.005					
6/23/2020			0.00043 (J)	0.00042 (J)					
7/28/2020			<0.005	<0.005					
9/2/2020			<0.005						
9/3/2020				<0.005					
9/23/2020	<0.005	<0.005				0.0013 (J)			
9/24/2020							<0.005	<0.005	
9/25/2020					<0.005				0.00058 (J)
10/1/2020			0.0014 (J)	0.00056 (J)					
11/10/2020			0.00059 (J)	<0.005					
12/15/2020			0.00069 (J)	<0.005					
1/20/2021			0.00061 (J)	<0.005					
2/16/2021	<0.005	0.00071 (J)				0.001 (J)			
2/17/2021			0.00099 (J)	0.00069 (J)			<0.005		
2/18/2021					<0.005			<0.005	
2/19/2021									<0.005
3/23/2021		0.00059 (J)							
3/24/2021						0.0013 (J)	<0.005		0.00079 (J)
3/25/2021			<0.005	<0.005					
3/26/2021	0.00071 (J)								
3/30/2021					0.00095 (J)			<0.005	
8/16/2021	<0.005	<0.005	0.0022 (J)	<0.005					
8/18/2021						0.0012 (J)	<0.005	<0.005	<0.005
8/19/2021					<0.005				
2/9/2022	<0.005		<0.005	<0.005					
2/10/2022		<0.005				0.0014 (J)	<0.005		
2/11/2022					<0.005			<0.005	<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			<0.005	
1/24/2023	0.0011 (J)	<0.005	<0.005	<0.005					
1/26/2023					<0.005	0.0014 (J)	0.0021 (J)		0.0018 (J)
1/27/2023								<0.005	
8/15/2023			<0.005						
8/16/2023		<0.005		<0.005		<0.005			<0.005
8/17/2023					<0.005		<0.005	<0.005	
8/21/2023	<0.005								
1/31/2024			<0.005	<0.005					
2/1/2024						<0.005	<0.005	<0.005	<0.005
2/2/2024					<0.005				
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			<0.005	<0.005					
8/16/2024					<0.005	<0.005			
8/19/2024							<0.005		<0.005
8/20/2024								<0.005	
8/21/2024	<0.005	<0.005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/4/2025			<0.005	<0.005					
2/5/2025						<0.005	<0.005		<0.005
2/6/2025		<0.005			<0.005			<0.005	
2/10/2025	<0.005								
7/31/2025			<0.005	<0.005		<0.005			
8/4/2025							0.002 (J)		<0.005
8/5/2025	<0.005				<0.005			<0.005	
8/12/2025		<0.005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.005	<0.005						
6/8/2016				<0.005	<0.005	<0.005	<0.005	<0.005	
6/9/2016									<0.005
8/11/2016		<0.005	<0.005						
8/12/2016				<0.005	<0.005	<0.005			
8/18/2016							<0.005	<0.005	<0.005
10/7/2016		<0.005	<0.005	0.0011 (J)	<0.005				
10/10/2016						<0.005	<0.005	<0.005	<0.005
12/6/2016		<0.005	<0.005	<0.005					
12/7/2016					<0.005	<0.005			0.002 (J)
12/8/2016							<0.005	<0.005	
2/16/2017		<0.005	<0.005	<0.005	<0.005				
2/17/2017						<0.005	<0.005	<0.005	
2/20/2017									<0.005
4/18/2017		<0.005							
4/19/2017			<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
4/20/2017								<0.005	
5/30/2017		<0.005	<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	<0.005	<0.005	<0.005				
7/17/2017									<0.005
7/18/2017						<0.005	<0.005		
7/19/2017								<0.005	
3/27/2018		<0.005	<0.005	<0.005	<0.005				
3/28/2018						<0.005	<0.005		
3/29/2018								<0.005	<0.005
2/25/2019		<0.005							
2/27/2019			<0.005	<0.005		0.0048 (J)			
3/1/2019					<0.005			<0.005	0.0033 (J)
4/2/2019		<0.005	0.00044 (J)	<0.005					
4/3/2019					<0.005	0.00088 (J)	<0.005	<0.005	0.00057 (J)
9/26/2019		<0.005	<0.005	<0.005	<0.005	0.0022 (J)			
9/27/2019								<0.005	<0.005
9/30/2019							<0.005		
2/20/2020		<0.005							
2/24/2020			<0.005	<0.005	<0.005	0.00096 (J)			
2/25/2020								<0.005	<0.005
2/26/2020							<0.005		
3/19/2020		0.00071 (J)	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)
5/22/2020	<0.005								
6/23/2020	<0.005								
7/28/2020	<0.005								
9/2/2020	<0.005								
9/24/2020		<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
9/28/2020					<0.005	0.0028 (J)			
10/1/2020	<0.005								
11/10/2020	<0.005								
12/15/2020	<0.005								
1/20/2021	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/18/2021	0.026	0.0019 (J)	<0.005	<0.005	<0.005	0.00078 (J)			
2/19/2021							<0.005	<0.005	<0.005
3/24/2021	<0.005	<0.005	<0.005	0.00065 (J)					
3/26/2021					<0.005				<0.005
3/29/2021						0.0011 (J)	0.0025 (J)	<0.005	
8/18/2021	<0.005	<0.005							
8/19/2021			<0.005	<0.005					
8/20/2021					<0.005	<0.005	<0.005		
8/23/2021								<0.005	0.0015 (J)
2/9/2022	<0.005								
2/11/2022		<0.005	<0.005						
2/14/2022									<0.005
2/15/2022								<0.005	
2/16/2022				<0.005	<0.005	<0.005	<0.005		
7/26/2022	<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	
1/26/2023	0.0014 (J)	<0.005	<0.005	<0.005					
1/27/2023					<0.005		<0.005		
1/30/2023						<0.005			
2/2/2023									<0.005
2/7/2023								<0.005	
8/16/2023	<0.005								
8/17/2023		<0.005	<0.005	<0.005					
8/18/2023					<0.005	<0.005			
8/22/2023								<0.005	
8/23/2023							<0.005		<0.005
2/1/2024	<0.005	<0.005	<0.005						
2/2/2024				<0.005	<0.005				
2/5/2024						<0.005	<0.005		
2/8/2024								<0.005	<0.005
8/16/2024	<0.005								
8/19/2024		<0.005	<0.005	<0.005	<0.005				
8/20/2024						<0.005			
8/21/2024								<0.005	
8/22/2024							<0.005		<0.005
2/5/2025	<0.005								
2/6/2025		<0.005				<0.005			
2/7/2025			<0.005	<0.005	<0.005				
2/10/2025							<0.005		
2/11/2025									<0.005
2/13/2025								<0.005	
8/4/2025	<0.005								
8/5/2025		<0.005	<0.005	<0.005					
8/6/2025					<0.005				
8/7/2025						0.0024 (J)		<0.005	
8/11/2025							<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.005							
6/9/2016	<0.005								
8/15/2016		<0.005							
8/18/2016	<0.005								
10/10/2016	0.0009 (J)	<0.005							
12/7/2016	<0.005								
12/8/2016		<0.005							
1/23/2017			0.001 (J)						
2/7/2017			<0.005						
2/20/2017	<0.005	<0.005							
3/27/2017			<0.005						
4/17/2017			<0.005						
4/19/2017	<0.005								
4/20/2017		<0.005							
5/22/2017			0.0004 (J)						
6/1/2017		<0.005							
6/5/2017	<0.005		0.0004 (J)						
7/11/2017			0.0012 (J)						
7/17/2017	<0.005	<0.005							
8/23/2017			0.0009 (J)						
3/26/2018			<0.005						
3/28/2018		<0.005							
3/29/2018	<0.005								
3/1/2019	<0.005	<0.005	<0.005						
4/2/2019			0.00095 (J)					0.001 (J)	
4/3/2019	<0.005								
4/4/2019		<0.005		<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			0.00056 (J)					0.0006 (J)	
9/30/2019	<0.005	0.0021 (J)							
2/25/2020							<0.005		
2/26/2020	0.00051 (J)	<0.005	0.00073 (J)	<0.005				<0.005	
2/27/2020					0.00072 (J)	<0.005			0.0031 (J)
3/23/2020			0.00098 (J)	0.0011 (J)				<0.005	
3/24/2020		<0.005			0.0012 (J)	<0.005			0.00042 (J)
3/25/2020	<0.005						<0.005		
9/2/2020									<0.005
9/25/2020	0.00058 (J)		0.00087 (J)		0.00057 (J)		0.00072 (J)		
9/28/2020		<0.005		0.00056 (J)		<0.005		<0.005	
2/19/2021	<0.005					<0.005			
2/22/2021				<0.005			<0.005		
2/23/2021		<0.005			<0.005				
3/8/2021			0.0011 (J)					0.00057 (J)	
3/9/2021									<0.005
3/25/2021			0.00082 (J)					0.00057 (J)	
3/26/2021	<0.005	<0.005					<0.005		
3/29/2021				<0.005					<0.005
3/30/2021					<0.005	<0.005			
8/19/2021		<0.005	<0.005						<0.005
8/20/2021				<0.005			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/23/2021	<0.005							<0.005	
8/24/2021						<0.005			
8/25/2021					0.0043 (J)				
2/14/2022			0.0014 (J)					<0.005	<0.005
2/15/2022	<0.005								
2/16/2022		<0.005		<0.005	<0.005	<0.005			
2/17/2022							<0.005		
7/27/2022		<0.005							
7/28/2022				<0.005		<0.005	<0.005		
7/29/2022					<0.005			<0.005	
8/1/2022			<0.005						
8/2/2022	<0.005								<0.005
10/21/2022	<0.005								
1/27/2023		<0.005		<0.005					
1/30/2023						<0.005	<0.005		
1/31/2023					<0.005				
2/1/2023	<0.005		<0.005					<0.005	
2/7/2023									<0.005
8/17/2023		<0.005							
8/18/2023				<0.005	<0.005	<0.005			
8/21/2023			<0.005					<0.005	<0.005
8/24/2023							<0.005		
8/25/2023	<0.005								
1/30/2024	<0.005							<0.005	
2/2/2024				<0.005					
2/5/2024		<0.005				<0.005			
2/6/2024			<0.005						<0.005
2/7/2024							<0.005		
2/8/2024					<0.005				
8/19/2024				<0.005					
8/20/2024		<0.005				<0.005		<0.005	
8/21/2024	<0.005				<0.005				
8/22/2024			<0.005				<0.005		<0.005
2/5/2025								<0.005	
2/6/2025				<0.005		<0.005			
2/10/2025		<0.005	<0.005						
2/11/2025	<0.005						<0.005		<0.005
2/12/2025					<0.005				
8/5/2025			<0.005						
8/6/2025									<0.005
8/7/2025		<0.005				<0.005		<0.005	
8/8/2025				<0.005					
8/11/2025	<0.005						0.0086		
8/12/2025					<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.00043 (J)							
3/25/2020	0.00058 (J)							
9/3/2020		<0.005						
9/29/2020	0.00082 (J)							
1/28/2021					<0.005	<0.005		
2/22/2021	<0.005							
2/23/2021					0.0006 (J)	<0.005		
3/8/2021		<0.005						
3/29/2021		<0.005						
3/30/2021	0.00081 (J)				<0.005	0.00061 (J)		
4/19/2021			0.00071 (J)	<0.005				
8/18/2021				<0.005				
8/23/2021		<0.005			<0.005	<0.005		
8/24/2021	<0.005		<0.005					
2/9/2022				<0.005				
2/14/2022					<0.005	0.0013 (J)		
2/15/2022		0.0024 (J)						
2/16/2022	0.0011 (J)							
2/17/2022			<0.005					
4/28/2022								<0.005
7/26/2022				<0.005				
7/28/2022	<0.005					<0.005		
8/1/2022		<0.005	<0.005		<0.005			
8/2/2022								<0.005
1/25/2023				<0.005				
1/31/2023	0.005 (J)				<0.005	0.0016 (J)		
2/1/2023			<0.005					
2/2/2023								<0.005
2/7/2023		<0.005						
8/15/2023				<0.005				
8/18/2023	<0.005							
8/21/2023					<0.005			
8/22/2023			<0.005			<0.005		
8/23/2023		<0.005						
1/30/2024		<0.005						
1/31/2024				<0.005				
2/5/2024					<0.005	<0.005		
2/6/2024			<0.005					
2/7/2024	<0.005							
8/16/2024				<0.005				
8/20/2024	<0.005				<0.005	<0.005		
8/21/2024		<0.005	<0.005					
8/22/2024								<0.005
12/3/2024							<0.005	
2/5/2025				<0.005				
2/6/2025					<0.005			
2/7/2025						<0.005		<0.005
2/10/2025	<0.005		<0.005					
2/11/2025		<0.005						
2/12/2025							<0.005	
7/31/2025				<0.005				
8/6/2025			<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		<0.005						
8/8/2025	<0.005						<0.005	
8/11/2025						<0.005		<0.005
8/13/2025					<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.005						<0.005		
6/7/2016						0.00013 (J)		<0.005	<0.005
6/8/2016					0.00081 (J)				
8/9/2016	0.0005 (J)								
8/10/2016						0.0003 (J)			
8/11/2016					0.0007 (J)		0.0003 (J)		
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			
10/5/2016							<0.005		
10/6/2016					<0.005				<0.005
10/7/2016								<0.005	
11/29/2016	<0.005								
12/1/2016		<0.005							
12/2/2016						<0.005			
12/5/2016							0.0006 (J)		0.0006 (J)
12/6/2016					0.0009 (J)			<0.005	
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017					<0.005		<0.005		<0.005
2/16/2017								<0.005	
4/13/2017	<0.005								
4/14/2017		<0.005				<0.005			
4/17/2017							<0.005		
4/18/2017					0.0005 (J)			<0.005	<0.005
5/25/2017	<0.005	<0.005							
5/26/2017						<0.005	<0.005		
6/2/2017					0.0006 (J)			<0.005	<0.005
7/7/2017	<0.005								
7/10/2017		<0.005				<0.005			
7/11/2017							<0.005		
7/12/2017								<0.005	
7/13/2017									0.0003 (J)
7/14/2017					0.0006 (J)				
3/26/2018	<0.005	<0.005				<0.005			
3/27/2018					<0.005		<0.005	<0.005	
3/28/2018									<0.005
6/12/2018	<0.005	<0.005				<0.005	<0.005		
6/13/2018					0.00068 (J)				
6/14/2018								<0.005	<0.005
10/16/2018	<0.005	<0.005				<0.005			
10/17/2018							<0.005		<0.005
10/18/2018					<0.005			<0.005	
2/25/2019	<0.005					<0.005			
2/27/2019		<0.005							
2/28/2019					0.00067 (J)			<0.005	<0.005
4/1/2019	0.00014 (J)	<0.005				5.6E-05 (J)	0.00024 (J)		0.00034 (J)
4/2/2019					0.00094 (J)			0.00027 (J)	
5/2/2019	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/23/2019	0.00047 (J)	<0.005							
9/24/2019					0.00078 (J)	0.0012 (J)	<0.005		
9/25/2019								0.00056 (J)	0.0004 (J)
2/18/2020	<0.005								
2/19/2020		<0.005				<0.005			
2/20/2020							<0.005	<0.005	
2/21/2020					0.00081 (J)				
2/24/2020									0.00034 (J)
3/18/2020	<0.005	<0.005				<0.005			
3/19/2020					0.00091 (J)		<0.005		0.00035 (J)
3/23/2020								0.00031 (J)	
5/22/2020			<0.005						
5/25/2020				<0.005					
6/23/2020			0.00031 (J)	<0.005					
7/28/2020			<0.005	0.00064 (J)					
9/2/2020			<0.005						
9/3/2020				<0.005					
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005	<0.005	
9/25/2020					0.00077 (J)				0.00049 (J)
10/1/2020			<0.005	0.00039 (J)					
11/10/2020			<0.005	<0.005					
12/15/2020			<0.005	<0.005					
1/20/2021			<0.005	<0.005					
2/16/2021	<0.005	<0.005				<0.005			
2/17/2021			<0.005	<0.005			<0.005		
2/18/2021					0.00074 (J)			<0.005	
2/19/2021									0.00066 (J)
3/23/2021		<0.005							
3/24/2021						<0.005	<0.005		0.00048 (J)
3/25/2021			<0.005	<0.005					
3/26/2021	<0.005								
3/30/2021					0.00085 (J)			0.00052 (J)	
8/16/2021	<0.005	<0.005	<0.005	<0.005					
8/18/2021						<0.005	<0.005	0.00042 (J)	0.00085 (J)
8/19/2021					0.0008 (J)				
2/9/2022	<0.005		<0.005	<0.005					
2/10/2022		<0.005				<0.005	<0.005		
2/11/2022					0.00068 (J)			0.00047 (J)	0.00057 (J)
7/26/2022	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005		
7/27/2022									<0.005
7/28/2022					0.00074 (J)			0.00058 (J)	
1/24/2023	<0.005	<0.005	<0.005	<0.005					
1/26/2023					0.00068 (J)	<0.005	<0.005		0.00045 (J)
1/27/2023								0.00051 (J)	
8/15/2023			<0.005						
8/16/2023		<0.005		<0.005		<0.005			<0.005
8/17/2023					0.00066 (J)		<0.005	0.00043 (J)	
8/21/2023	<0.005								
1/31/2024			<0.005	<0.005					
2/1/2024						<0.005	<0.005	0.0004 (J)	0.00036 (J)
2/2/2024					0.00045 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			<0.005	<0.005					
8/16/2024					<0.005	<0.005			
8/19/2024							<0.005		<0.005
8/20/2024								0.00041 (J)	
8/21/2024	<0.005	<0.005							
2/4/2025			<0.005	<0.005					
2/5/2025						<0.005	<0.005		<0.005
2/6/2025		<0.005			<0.005			<0.005	
2/10/2025	<0.005								
7/31/2025			<0.005	<0.005		<0.005			
8/4/2025							<0.005		<0.005
8/5/2025	<0.005				<0.005			<0.005	
8/12/2025		<0.005							

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		0.0037	<0.005						
6/8/2016				0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079	
6/9/2016									<0.005
8/11/2016		0.0039 (J)	<0.005						
8/12/2016				0.0006 (J)	<0.005	<0.005			
8/18/2016							<0.005	0.0109	<0.005
10/7/2016		0.0043 (J)	<0.005	0.0005 (J)	<0.005				
10/10/2016						<0.005	<0.005	0.011	<0.005
12/6/2016		0.005 (J)	<0.005	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		0.0054 (J)	<0.005	<0.005	<0.005				
2/17/2017						<0.005	<0.005	0.0122	
2/20/2017									<0.005
4/18/2017		0.0054 (J)							
4/19/2017			<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
4/20/2017								0.0116	
5/30/2017		0.0045 (J)	<0.005						
6/1/2017				<0.005	<0.005	<0.005	<0.005		
6/5/2017								0.0112	<0.005
7/14/2017		0.0049 (J)	<0.005	<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		<0.01	<0.005	<0.005	<0.005				
3/28/2018						<0.005	<0.005		
3/29/2018								0.016	<0.005
6/12/2018		0.0048 (J)							
6/13/2018						<0.005			<0.005
6/14/2018			<0.005	<0.005			<0.005	0.017	
6/15/2018					<0.005				
10/17/2018			<0.005						
10/18/2018		0.0047 (J)		<0.005					
10/19/2018					<0.005		<0.005		
10/22/2018						<0.005		0.021	<0.005
2/25/2019		0.0071 (J)							
2/27/2019			<0.005	<0.005		<0.005			
3/1/2019					<0.005			0.017	<0.005
4/2/2019		0.0056 (J)	0.00015 (J)	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		0.0093	<0.005	<0.005	<0.005	<0.005			
9/27/2019								0.027	0.00034 (J)
9/30/2019							0.0004 (J)		
2/20/2020		0.0092							
2/24/2020			<0.005	<0.005	<0.005	<0.005			
2/25/2020								0.017	0.00046 (J)
2/26/2020							0.00037 (J)		
3/19/2020		0.0089	<0.005						
3/20/2020				<0.005	<0.005		<0.005	0.02	
3/23/2020						0.00036 (J)			0.0004 (J)
5/22/2020	0.00041 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/23/2020	<0.005								
7/28/2020	<0.005								
9/2/2020	0.001 (J)								
9/24/2020		0.0095	<0.005	<0.005			0.00098 (J)	0.041	<0.005
9/28/2020					<0.005	<0.005			
10/1/2020	0.0018 (J)								
11/10/2020	0.0016 (J)								
12/15/2020	0.0018 (J)								
1/20/2021	0.0019 (J)								
2/18/2021	0.0013 (J)	0.0088	<0.005	<0.005	<0.005	<0.005			
2/19/2021							0.0013 (J)	0.032	0.00044 (J)
3/24/2021	<0.005	0.0078	<0.005	<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
8/18/2021	0.0034 (J)	0.0098							
8/19/2021			<0.005	<0.005					
8/20/2021					<0.005	<0.005	0.00058 (J)		
8/23/2021								0.029	0.00047 (J)
11/1/2021								0.04	<0.005
2/9/2022	<0.005								
2/11/2022		0.0097	<0.005						
2/14/2022									<0.005
2/15/2022								0.03	
2/16/2022				<0.005	<0.005	<0.005	0.0021 (J)		
7/26/2022	0.003 (J)								
7/27/2022		0.012	<0.005	<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	0.0033 (J)	0.0098	<0.005	<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	
8/16/2023	0.0017 (J)								
8/17/2023		0.011	<0.005	<0.005					
8/18/2023					<0.005	<0.005			
8/22/2023								0.03	
8/23/2023							0.004 (J)		<0.005
2/1/2024	0.0014 (J)	0.011	<0.005						
2/2/2024				<0.005	<0.005				
2/5/2024						0.00034 (J)	0.003 (J)		
2/8/2024								0.014	<0.005
8/16/2024	0.0016 (J)								
8/19/2024		0.011	<0.005	<0.005	0.00052 (J)				
8/20/2024						<0.005			
8/21/2024								0.017	
8/22/2024							0.0096		0.00035 (J)
2/5/2025	<0.005								
2/6/2025		0.015				<0.005			
2/7/2025			<0.005	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/10/2025							0.0066		
2/11/2025									<0.005
2/13/2025								0.011	
8/4/2025	0.0028 (J)								
8/5/2025		0.0093	<0.005	<0.005					
8/6/2025					<0.005				
8/7/2025						<0.005		0.012	
8/11/2025							0.01		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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						
10/17/2018								0.00057 (J)	
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)		<0.005		
3/1/2019	0.0055 (J)	<0.005	<0.005						
4/2/2019			0.00022 (J)					0.0011 (J)	
4/3/2019	0.0048 (J)								
4/4/2019		0.00022 (J)		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			<0.005					0.0009 (J)	
9/30/2019	0.0048 (J)	<0.005							
11/15/2019					0.0077				
2/25/2020							0.0011 (J)		
2/26/2020	0.0045 (J)	<0.005	<0.005	0.00031 (J)				0.00058 (J)	
2/27/2020					0.00095 (J)	<0.005			0.014
3/23/2020			<0.005	0.00036 (J)				0.00049 (J)	
3/24/2020		<0.005			0.0037 (J)	0.00039 (J)			0.0065
3/25/2020	0.0037 (J)						0.00046 (J)		
9/2/2020									0.0043 (J)
9/25/2020	0.0038 (J)		<0.005		0.0081		0.00082 (J)		
9/28/2020		<0.005		0.00046 (J)		0.00048 (J)		0.00038 (J)	
2/19/2021	0.0042 (J)					0.00057 (J)			
2/22/2021				<0.005			0.0011 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
2/23/2021		<0.005			0.0062				
3/8/2021			<0.005					<0.005	
3/9/2021									0.0014 (J)
3/25/2021			<0.005					<0.005	
3/26/2021	<0.005	<0.005					0.0015 (J)		
3/29/2021				<0.005					0.0015 (J)
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)						0.004 (J)
8/20/2021				<0.005			0.0018 (J)		
8/23/2021	0.0062							<0.005	
8/24/2021						0.00085 (J)			
8/25/2021					0.0018 (J)				
11/1/2021	0.0038 (J)		<0.005						0.0033 (J)
2/14/2022			<0.005					<0.005	0.0019 (J)
2/15/2022	0.0037 (J)								
2/16/2022		<0.005		<0.005	<0.005	0.001 (J)			
2/17/2022							0.0024 (J)		
7/27/2022		<0.005							
7/28/2022				<0.005		0.0012 (J)	0.0038 (J)		
7/29/2022					0.0022 (J)			<0.005	
8/1/2022			<0.005						
8/2/2022	<0.005								0.0019 (J)
10/21/2022	0.0026 (J)								
1/27/2023		<0.005		<0.005					
1/30/2023						0.0014 (J)	0.0029 (J)		
1/31/2023					0.0029 (J)				
2/1/2023	0.0024 (J)		<0.005					<0.005	
2/7/2023									0.0014 (J)
8/17/2023		<0.005							
8/18/2023				<0.005	0.001 (J)	0.0014 (J)			
8/21/2023			<0.005					<0.005	0.0017 (J)
8/24/2023							0.0017 (J)		
8/25/2023	0.0023 (J)								
1/30/2024	0.002 (J)							<0.005	
2/2/2024				<0.005					
2/5/2024		<0.005				0.0013 (J)			
2/6/2024			<0.005						0.0016 (J)
2/7/2024							0.0044 (J)		
2/8/2024					0.0054				
8/19/2024				<0.005					
8/20/2024		<0.005				0.0012 (J)		<0.005	
8/21/2024	0.0015 (J)				0.0046 (J)				
8/22/2024			<0.005				0.0013 (J)		0.001 (J)
2/5/2025								<0.005	
2/6/2025				<0.005		0.0017 (J)			
2/10/2025		<0.005	<0.005						
2/11/2025	0.0027 (J)						0.0019 (J)		0.0018 (J)
2/12/2025					0.0032 (J)				
8/5/2025			<0.005						
8/6/2025									<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/7/2025		<0.005				0.0016 (J)		<0.005	
8/8/2025				<0.005					
8/11/2025	0.0013 (J)						<0.005		
8/12/2025					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.00049 (J)							
3/25/2020	0.00056 (J)							
9/3/2020		0.002 (J)						
9/29/2020	0.00044 (J)							
1/28/2021					<0.005	0.0048 (J)		
2/22/2021	0.0006 (J)							
2/23/2021					<0.005	0.0033 (J)		
3/8/2021		0.0043 (J)						
3/29/2021		0.0057						
3/30/2021	0.00052 (J)				<0.005	0.0031 (J)		
4/19/2021			0.00079 (J)	0.0013 (J)				
7/20/2021		0.0057						
8/18/2021				0.0016 (J)				
8/23/2021		0.0051			<0.005	0.0036 (J)		
8/24/2021	0.00061 (J)		0.001 (J)					
2/9/2022				0.00079 (J)				
2/14/2022					<0.005	0.00044 (J)		
2/15/2022		0.0038 (J)						
2/16/2022	0.00052 (J)							
2/17/2022			0.00088 (J)					
4/28/2022								<0.005
7/26/2022				0.00072 (J)				
7/28/2022	0.00042 (J)					0.00082 (J)		
8/1/2022		0.0024 (J)	0.00065 (J)		<0.005			
8/2/2022								<0.005
1/25/2023				0.00066 (J)				
1/31/2023	0.00046 (J)				<0.005	0.0045 (J)		
2/1/2023			0.00089 (J)					
2/2/2023								<0.005
2/7/2023		0.0016 (J)						
8/15/2023				0.0004 (J)				
8/18/2023	<0.005							
8/21/2023					<0.005			
8/22/2023			0.00093 (J)			0.0035 (J)		
8/23/2023		0.0031 (J)						
1/30/2024		0.0024 (J)						
1/31/2024				0.00036 (J)				
2/5/2024					<0.005	0.00035 (J)		
2/6/2024			0.0011 (J)					
2/7/2024	0.00034 (J)							
8/16/2024				0.00069 (J)				
8/20/2024	0.00033 (J)				<0.005	0.00042 (J)		
8/21/2024		0.0019 (J)	0.00098 (J)					
8/22/2024								<0.005
12/3/2024							0.0007 (J)	
2/5/2025				<0.005				
2/6/2025					<0.005			
2/7/2025						0.0014 (J)		<0.005
2/10/2025	<0.005		<0.005					
2/11/2025		0.0026 (J)						
2/12/2025							<0.005	
7/31/2025				0.0013 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/6/2025			<0.005					
8/7/2025		0.0023 (J)						
8/8/2025	<0.005						<0.005	
8/11/2025						0.0014 (J)		<0.005
8/13/2025					<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	0.838						0.488		
6/7/2016						0.0507 (U)		0.616	0.024 (U)
6/8/2016					0.854				
8/9/2016	1.18								
8/10/2016						0.862			
8/11/2016					1.24		0.639		
8/12/2016									0.849
8/16/2016								1.08	
8/22/2016		0.356							
10/3/2016	0.815								
10/4/2016		0.0834				0.48			
10/5/2016							0.945		
10/6/2016					2.43				1.57
10/7/2016								2.82	
11/29/2016	0.887								
12/1/2016		0.208							
12/2/2016						0.219			
12/5/2016							2.2		0.956
12/6/2016					0.958			0.719	
1/10/2017		0.024 (U)							
2/13/2017	0.869								
2/14/2017		0.105				0.636			
2/15/2017					1.18		0.74		0.229
2/16/2017								0.966	
4/13/2017	1.21								
4/14/2017		0.803				0.13			
4/17/2017							0.764		
4/18/2017					1.26			1.01	0.0114
5/25/2017	1.54	0.569							
5/26/2017						0.349	0.245		
6/2/2017					1.24			1.13	0.375
7/7/2017	1.45								
7/10/2017		0.589 (U)				0.565 (U)			
7/11/2017							0.502 (U)		
7/12/2017								1.29	
7/13/2017									0.636 (U)
7/14/2017					1.55				
3/26/2018	0.529 (U)	0.513 (U)				0.303 (U)			
3/27/2018					2.15		0.745 (U)	0.779 (U)	
3/28/2018									0.36 (U)
6/12/2018	0.945 (U)	0.516 (U)				0.494 (U)	0.319 (U)		
6/13/2018					1.95				
6/14/2018								1.22	0.316 (U)
10/16/2018	0.57 (U)	0.146 (U)				0.633 (U)			
10/17/2018							0.319 (U)		0.326 (U)
10/18/2018					1.1			0.841 (U)	
2/25/2019	1.43					1.03 (U)			
2/27/2019		0.941 (U)							
2/28/2019					1.38			1.88	1.04
4/1/2019	1.44 (U)	0.66 (U)				0.474 (U)	0.225 (U)		0.328 (U)
4/2/2019					1.57			1.21 (U)	
9/23/2019	1.82	1.25							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/24/2019					1.85	1.69	1.65		
9/25/2019								0.816 (U)	0.649 (U)
2/18/2020	1.33								
2/19/2020		1.28				1.02 (U)			
2/20/2020							0.921 (U)	1.47	
2/21/2020					2.02				
2/24/2020									0.455 (U)
3/18/2020	1.31	1.2 (U)				0.987 (U)			
3/19/2020					1.18		1.94		0.838 (U)
3/23/2020								1.69	
5/22/2020			1.21 (U)						
5/25/2020				1.21 (U)					
6/23/2020			0.955 (U)	1.44					
7/28/2020			1.59	0.592 (U)					
9/2/2020			0.59 (U)						
9/3/2020				1.06 (U)					
9/23/2020	1.43	0.53 (U)				0.25 (U)			
9/24/2020							0.9 (U)	1.19 (U)	
9/25/2020					1.64				0.818 (U)
10/1/2020			0.754 (U)	0.597 (U)					
11/10/2020			0.403 (U)	0.188 (U)					
12/15/2020			0.263 (U)	0.464 (U)					
1/20/2021			0.669 (U)	1.33 (U)					
2/16/2021	0.938 (U)	0.344 (U)				0.709 (U)			
2/17/2021			0.537 (U)	1.1 (U)			0.692 (U)		
2/18/2021					1.09			1.52	
2/19/2021									0.608 (U)
3/23/2021		0.322 (U)							
3/24/2021						0.808 (U)	0.554 (U)		0.369 (U)
3/25/2021			1.15 (U)	1.08 (U)					
3/26/2021	1.03 (U)								
3/30/2021					1.41 (U)			1.51 (U)	
8/16/2021	0.684 (U)	0.539 (U)	0.536 (U)	0.0949 (U)					
8/18/2021						0.192 (U)	0.458 (U)	1.26	0.19 (U)
8/19/2021					0.952 (U)				
2/9/2022	0.264 (U)		0.539 (U)	0.504 (U)					
2/10/2022		0.181 (U)				0.813	0.86		
2/11/2022					1.26			1.01 (U)	0.288 (U)
7/26/2022	1.53	0.634 (U)	1.51	1.27 (U)		0.523 (U)	0.866 (U)		
7/27/2022									0.705 (U)
7/28/2022					1.22 (U)			1.18 (U)	
1/24/2023	1.52	0.711 (U)	0.955 (U)	0.589 (U)					
1/26/2023					1.73	0.629 (U)	0.248 (U)		0.664 (U)
1/27/2023								1.82	
8/15/2023			0.758 (U)						
8/16/2023		0.252 (U)		0.578 (U)		0.791 (U)			0.621 (U)
8/17/2023					1.45		0.711 (U)	0.942 (U)	
8/21/2023	0.561 (U)								
1/31/2024			1.44	0.437 (U)					
2/1/2024						0.496 (U)	0.699 (U)	1.03 (U)	0.281 (U)
2/2/2024					1.04				
2/5/2024		0.371 (U)							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/8/2024	0.437 (U)								
8/15/2024			0.864 (U)	0.697 (U)					
8/16/2024					1.55	0.76 (U)			
8/19/2024							0.429 (U)		0.824 (U)
8/20/2024								0.882 (U)	
8/21/2024	0.699 (U)	0.723 (U)							
2/4/2025			1.47	0.782 (U)					
2/5/2025						0.641 (U)	0.831 (U)		0.466 (U)
2/6/2025		0.347 (U)			1.51			1.4	
2/10/2025	0.578 (U)								
7/31/2025			0.923 (U)	0.736 (U)		0.661 (U)			
8/4/2025							0.655 (U)		1.31 (U)
8/5/2025	0.541 (U)				1.06 (U)			1.08 (U)	
8/12/2025		0.245 (U)							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		0.284 (U)	0.135 (U)						
6/8/2016				0.406	0.264 (U)	0.863 (U)	0.573	1.53	
6/9/2016									0.704
8/11/2016		1.71	0.808						
8/12/2016				1.39	1.18	1.74			
8/18/2016							0.44	2.47	1.88
10/7/2016		0.485	0.874	0.451	1.97				
10/10/2016						0.944	0.933	2.11	1.48
12/6/2016		1.22	0.131	0.516					
12/7/2016					1.31	2.29			2.61
12/8/2016							1.02	2.64	
2/16/2017		0.19	0.471	0.172	0.35				
2/17/2017						1.35	0.193	1.34	
2/20/2017									0.884
4/18/2017		0.52							
4/19/2017			0.65	0.704	0.974	1.48	0.488		0.948
4/20/2017								2.35	
5/30/2017		1.21	0.65						
6/1/2017				0.493	0.332	1.61	0.837		
6/5/2017								1.6	1.33
7/14/2017		0.526 (U)	0.592 (U)	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		1.34	0.551 (U)	0.569 (U)	0.169 (U)				
3/28/2018						0.97 (U)	0.864 (U)		
3/29/2018								2.43	1.65
6/12/2018		0.732 (U)							
6/13/2018						0.686 (U)			0.983 (U)
6/14/2018			0.638 (U)	0.989 (U)			0.583 (U)	2.14	
6/15/2018					0.625 (U)				
10/17/2018			0.555 (U)						
10/18/2018		0.522 (U)		0.875 (U)					
10/19/2018					0.784 (U)		0.982 (U)		
10/22/2018						0.559 (U)		1.43	1.21
2/25/2019		1.08							
2/27/2019			1.57	1.12		1.24			
3/1/2019					0.989 (U)			3.32	2.24
4/2/2019		1.73	0.71 (U)	0.814 (U)					
4/3/2019					0.98 (U)	0.567 (U)	0.532 (U)	2.48	2.86
9/26/2019		1.45	1.17 (U)	0.973 (U)	1.16	0.662 (U)			
9/27/2019								2.83	2.28
9/30/2019							1.16 (U)		
2/20/2020		1.22							
2/24/2020			1.17	1.07	1.19	1.38			
2/25/2020								1.7	2.49
2/26/2020							1.08 (U)		
3/19/2020		1.63	0.626 (U)						
3/20/2020				2.59	0.89 (U)		1.08 (U)	3.6	
3/23/2020						1.27			1.68
5/22/2020	1.82								
6/23/2020	1.05 (U)								

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
7/28/2020	1.71								
9/2/2020	0.0158 (U)								
9/24/2020		0.469 (U)	0.594 (U)	0.789 (U)			0.157 (U)	4.18	0.56 (U)
9/28/2020					1.11 (U)	1.07 (U)			
10/1/2020	1.19 (U)								
11/10/2020	0.675 (U)								
12/15/2020	1.26								
1/20/2021	0.701 (U)								
2/18/2021	1	0.721 (U)	0.723 (U)	0.62 (U)	1.05 (U)	0.87 (U)			
2/19/2021							1 (U)	2.63	1.17 (U)
3/24/2021	1.1 (U)	0.92 (U)	0.391 (U)	1.21 (U)					
3/26/2021					0.848 (U)				1.04 (U)
3/29/2021						1.49	0.471 (U)	4.1	
8/18/2021	0.721 (U)	1.05							
8/19/2021			0.742 (U)	0.858 (U)					
8/20/2021					0.731 (U)	1.42	0.277 (U)		
8/23/2021								3.25	1.2 (U)
2/9/2022	0.355 (U)								
2/11/2022		1.03	0.208 (U)						
2/14/2022									0.563 (U)
2/15/2022								1.94	
2/16/2022				0.708 (U)	0.349 (U)	0.322 (U)	0.49 (U)		
7/26/2022	0.659 (U)								
7/27/2022		0.917 (U)	0.138 (U)	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	1.31	1.21 (U)	1.02 (U)	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	
8/16/2023	0.263 (U)								
8/17/2023		1.21 (U)	1.04 (U)	1.16 (U)					
8/18/2023					1.49 (U)	0.256 (U)			
8/22/2023								2.43	
8/23/2023							0.704 (U)		0.799 (U)
2/1/2024	0.433 (U)	1.34	0.808 (U)						
2/2/2024				0.612 (U)	0.716 (U)				
2/5/2024						0.956 (U)	0.455 (U)		
2/8/2024								2.05	1.27 (U)
8/16/2024	0.673 (U)								
8/19/2024		0.705 (U)	0.294 (U)	0.737 (U)	0.26 (U)				
8/20/2024						0.979 (U)			
8/21/2024								1.5	
8/22/2024							0.262 (U)		0.718 (U)
2/5/2025	0.164 (U)								
2/6/2025		0.712 (U)				1.1			
2/7/2025			1.11 (U)	0.737 (U)	0.952 (U)				
2/10/2025							1.23 (U)		
2/11/2025									1.18 (U)
2/13/2025								1.6	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/4/2025	0.472 (U)								
8/5/2025		0.307 (U)	1 (U)	0.697 (U)					
8/6/2025					0.315 (U)				
8/7/2025						0.946 (U)		1.78	
8/11/2025							0.58 (U)		0.43 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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							
12/7/2016	1.65								
12/8/2016		1.47							
1/23/2017			2.71						
2/7/2017			3						
2/20/2017	2.68	0.547							
4/17/2017			2.73						
4/19/2017	3.81								
4/20/2017		0.0595							
5/22/2017			3.15						
6/1/2017		0.67							
6/5/2017	2.86		0.86						
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)						
10/17/2018								1.24	
10/18/2018				0.96					
10/19/2018						2.28			
10/22/2018	2.18	0.741 (U)	1.02 (U)		1.22 (U)		1.54		
3/1/2019	3.37	0.634 (U)	2.47						
4/2/2019			2.29					2.81	
4/3/2019	3.6								
4/4/2019		0.346 (U)		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			1.23 (U)					1.66	
9/30/2019	2.73	0.953 (U)							
2/25/2020							4.16		
2/26/2020	2.4	1.16	1.09 (U)	1.31				1.76	
2/27/2020					1.44	1.31			5.89
3/23/2020			1.42	2.39				2.75	
3/24/2020		0.899 (U)			1.25	2.56			5.9
3/25/2020	4.72						2.81		
9/2/2020									5.91
9/25/2020	1.49		0.783 (U)		2.62		2.15		
9/28/2020		0.744 (U)		1.48		2.12		1.59	
2/19/2021	1.07 (U)					2.23			
2/22/2021				1.07 (U)			2.03		
2/23/2021		0.456 (U)			1.55				
3/8/2021			0.429 (U)					2.09	
3/9/2021									3.34

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
3/25/2021			1.48					2.43	
3/26/2021	2.91	0.134 (U)					2.4		
3/29/2021				1.63					3.54
3/30/2021					2.04	1.35 (U)			
8/19/2021		0.908 (U)	1.63						4.63
8/20/2021				1.82			2.53		
8/23/2021	1.77 (U)							0.857 (U)	
8/24/2021						2.39			
8/25/2021					0.784 (U)				
2/14/2022			0.744 (U)					1.43	4.6
2/15/2022	14.2 (U)								
2/16/2022		0.189 (U)		1.02	1.16 (U)	2.24			
2/17/2022							1.88		
7/27/2022		1.09 (U)							
7/28/2022				0.684 (U)		2.74	2.71		
7/29/2022					1.82			1.47 (U)	
8/1/2022			1.01 (U)						
8/2/2022	0.84 (U)								3.64
1/27/2023		0.768 (U)		1.46					
1/30/2023						2.58	2.3		
1/31/2023					1.49				
2/1/2023	1.3		0.936					1.17	
2/7/2023									2.93
8/17/2023		0.909 (U)							
8/18/2023				1.82	1.24 (U)	2.36			
8/21/2023			0.986 (U)					1.19 (U)	3.26
8/24/2023							3.09		
8/25/2023	1.63 (U)								
1/30/2024	0.782 (U)							1.07	
2/2/2024				1.3					
2/5/2024		0.396 (U)				2.21			
2/6/2024			0.255 (U)						3.19
2/7/2024							2.74		
2/8/2024					0.939 (U)				
8/19/2024				0.674 (U)					
8/20/2024		0.246 (U)				1.7		0.895 (U)	
8/21/2024	0.991 (U)				1.19				
8/22/2024			0.713 (U)				2.08		2.4
2/5/2025								1.19	
2/6/2025				1.33		2.75			
2/10/2025		0.747 (U)	0.708 (U)						
2/11/2025	2.6						2.71		2.44
2/12/2025					1.28				
8/5/2025			0.486 (U)						
8/6/2025									3.78
8/7/2025		0.378 (U)				2.56		1.5 (U)	
8/8/2025				1.35					
8/11/2025	0.669 (U)						2.08		
8/12/2025					0.966 (U)				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.649 (U)							
3/25/2020	0.848 (U)							
9/3/2020		1.9						
9/29/2020	0.441 (U)							
1/28/2021					0.444 (U)	1.59		
2/22/2021	1.31 (U)							
2/23/2021					0.589 (U)	0.567 (U)		
3/8/2021		1.34						
3/29/2021		1.62 (U)						
3/30/2021	0.826 (U)				0.852 (U)	1.66 (U)		
4/19/2021			2.45	1.01 (U)				
8/18/2021				0.99 (U)				
8/23/2021		1.93			0.558 (U)	0.785 (U)		
8/24/2021	0.21 (U)		3.66					
2/9/2022				1.4				
2/14/2022					0.487 (U)	0.224 (U)		
2/15/2022		0.96 (U)						
2/16/2022	0.473 (U)							
2/17/2022			2.41					
7/26/2022				1 (U)				
7/28/2022	0.656 (U)					1.02 (U)		
8/1/2022		1.38	2.36		0.642 (U)			
8/2/2022								1.68
1/25/2023				0.588 (U)				
1/31/2023	0.498 (U)				0.707 (U)	0.58 (U)		
2/1/2023			1.57					
2/2/2023								0.748 (U)
2/7/2023		1.53						
8/15/2023				1.47				
8/18/2023	1.14 (U)							
8/21/2023					0.283 (U)			
8/22/2023			2.97			0.886 (U)		
8/23/2023		1.79						
1/30/2024		1.1						
1/31/2024				1.01 (U)				
2/5/2024					0.406 (U)	0.587 (U)		
2/6/2024			2.25					
2/7/2024	0.563 (U)							
8/16/2024				0.735 (U)				
8/20/2024	0.27 (U)				0.268 (U)	0.375 (U)		
8/21/2024		1.21	2.88					
8/22/2024								0.686 (U)
12/3/2024							0.596 (U)	
2/5/2025				1.15				
2/6/2025					0.876 (U)			
2/7/2025						0.13 (U)		1.29
2/10/2025	0.803 (U)		2.08					
2/11/2025		1.16						
2/12/2025							1.06 (U)	
7/31/2025				1.11				
8/6/2025			1.86					
8/7/2025		1.7						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/8/2025	0.49 (U)						0.933 (U)	
8/11/2025						1.15		0.608 (U)
8/13/2025					0.581 (U)			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	0.11 (J)						0.12 (J)		
6/7/2016						<0.1		0.09 (J)	<0.1
6/8/2016					0.19 (J)				
8/9/2016	0.09 (J)								
8/10/2016						0.07 (J)			
8/11/2016					0.15 (J)		0.27 (J)		
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)				0.07 (J)			
10/5/2016							0.12 (J)		
10/6/2016					0.17 (J)				0.06 (J)
10/7/2016								0.17 (J)	
11/29/2016	0.11 (J)								
12/1/2016		0.08 (J)							
12/2/2016						0.09 (J)			
12/5/2016							0.26 (J)		0.12 (J)
12/6/2016					0.22 (J)			0.16 (J)	
1/10/2017		0.03 (J)							
2/13/2017	0.12 (J)								
2/14/2017		<0.1				0.02 (J)			
2/15/2017					0.18 (J)		0.46		0.33
2/16/2017								0.38	
4/13/2017	0.1 (J)								
4/14/2017		0.01 (J)				0.02 (J)			
4/17/2017							0.14 (J)		
4/18/2017					0.11 (J)			0.12 (J)	0.006 (J)
5/25/2017	0.08 (J)	0.005 (J)							
5/26/2017						0.02 (J)	0.13 (J)		
6/2/2017					0.07 (J)			0.03 (J)	0.04 (J)
7/7/2017	0.13 (J)								
7/10/2017		0.06 (J)				0.03 (J)			
7/11/2017							0.2 (J)		
7/12/2017								0.15 (J)	
7/13/2017									0.17 (J)
7/14/2017					0.23 (J)				
10/9/2017	0.11 (J)								
10/10/2017		<0.1				<0.1	0.61		0.08 (J)
10/11/2017					0.1 (J)			0.07 (J)	
3/26/2018	<0.1	<0.1				<0.1			
3/27/2018					<0.3		0.36	<0.1	
3/28/2018									<0.1
6/12/2018	0.086 (J)	0.053 (J)				0.061 (J)	0.13 (J)		
6/13/2018					0.25 (J)				
6/14/2018								0.046 (J)	<0.1
10/16/2018	0.06 (J)	<0.1				<0.1			
10/17/2018							0.13 (J)		<0.1
10/18/2018					0.047 (J)			<0.1	
2/25/2019	<0.1					<0.1			
2/27/2019		<0.1							
2/28/2019					0.23 (J)			0.14 (J)	0.18 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
4/1/2019	0.047 (J)	<0.1				<0.1	0.33		0.065 (J)
4/2/2019					0.22 (J)			0.044 (J)	
5/2/2019	<0.1								
9/23/2019	0.076 (J)	<0.1							
9/24/2019					0.12 (J)	<0.1	0.096 (J)		
9/25/2019								0.075 (J)	0.13 (J)
2/18/2020	<0.1								
2/19/2020		<0.1				<0.1			
2/20/2020							0.063 (J)	<0.1	
2/21/2020					0.12 (J)				
2/24/2020									0.051 (J)
3/18/2020	<0.1	<0.1				<0.1			
3/19/2020					0.12 (J)		0.074 (J)		<0.1
3/23/2020								<0.1	
5/22/2020			0.054 (J)						
5/25/2020				0.19 (J)					
6/23/2020			<0.1	0.19					
7/28/2020			<0.1	0.57					
9/2/2020			<0.1						
9/3/2020				0.11					
9/23/2020	<0.1	<0.1				<0.1			
9/24/2020							0.091 (J)	<0.1	
9/25/2020					0.11				<0.1
10/1/2020			<0.1	0.063 (J)					
11/10/2020			<0.1	<0.1					
12/15/2020			<0.1	<0.1					
1/20/2021			<0.1	<0.1					
2/16/2021	<0.1	<0.1				<0.1			
2/17/2021			<0.1	<0.1			0.086 (J)		
2/18/2021					0.13			<0.1	
2/19/2021									<0.1
3/23/2021		<0.1							
3/24/2021						<0.1	0.075 (J)		<0.1
3/25/2021			<0.1	<0.1					
3/26/2021	<0.1								
3/30/2021					0.18			<0.1	
8/16/2021	<0.1	<0.1	<0.1	<0.1					
8/18/2021						<0.1	0.073 (J)	<0.1	<0.1
8/19/2021					0.12				
2/9/2022	<0.1		<0.1	0.065 (J)					
2/10/2022		<0.1				<0.1	0.071 (J)		
2/11/2022					0.12			<0.1	<0.1
7/26/2022	0.066 (J)	0.058 (J)	0.064 (J)	0.086 (J)		0.067 (J)	0.11		
7/27/2022									0.081 (J)
7/28/2022					0.16			0.064 (J)	
1/24/2023	0.055 (J)	0.052 (J)	0.05 (J)	0.076 (J)					
1/26/2023					0.15	0.063 (J)	0.09 (J)		0.083 (J)
1/27/2023								0.058 (J)	
8/15/2023			0.06 (J)						
8/16/2023		0.06 (J)		0.075 (J)		0.064 (J)			0.089 (J)
8/17/2023					0.14		0.091 (J)	0.05 (J)	
8/21/2023	<0.1								

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
1/31/2024			0.05 (J)	0.082 (J)					
2/1/2024						0.051 (J)	0.074 (J)	0.051 (J)	0.071 (J)
2/2/2024					0.15				
2/5/2024		<0.1							
2/8/2024	<0.1								
8/15/2024			<0.1	0.064 (J)					
8/16/2024					0.17	0.066 (J)			
8/19/2024							0.1		0.088 (J)
8/20/2024								0.067 (J)	
8/21/2024	0.065 (J)	0.061 (J)							
2/4/2025			0.068 (J)	0.11					
2/5/2025						0.073 (J)	0.11		0.1
2/6/2025		0.06 (J)			0.18			0.068 (J)	
2/10/2025	0.094 (J)								
7/31/2025			<0.1	0.12		0.055 (J)			
8/4/2025							0.11		0.1
8/5/2025	0.055 (J)				0.15			0.055 (J)	
8/12/2025		<0.1							

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.1	0.15 (J)						
6/8/2016				0.1 (J)	<0.1	0.09 (J)	<0.1	0.43	
6/9/2016									0.12 (J)
8/11/2016		0.12 (J)	0.3 (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		0.08 (J)	0.14 (J)	0.16 (J)	0.07 (J)				
10/10/2016						0.06 (J)	0.04 (J)	0.32	0.09 (J)
12/6/2016		0.24 (J)	0.19 (J)	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		0.31	0.51	0.38	0.6				
2/17/2017						0.06 (J)	0.08 (J)	0.39	
2/20/2017									0.09 (J)
4/18/2017		0.02 (J)							
4/19/2017			0.18 (J)	0.08 (J)	0.09 (J)	0.005 (J)	0.04 (J)		0.03 (J)
4/20/2017								0.34	
5/30/2017		0.51	0.15 (J)						
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		0.14 (J)	0.16 (J)	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		0.29 (J)	0.64	0.14 (J)	0.11 (J)	<0.1			0.09 (J)
10/12/2017							0.12 (J)	0.31	
3/27/2018		<0.1	0.33	<0.1	<0.1				
3/28/2018						<0.1	<0.1		
3/29/2018								0.58	<0.1
6/12/2018		0.061 (J)							
6/13/2018						0.038 (J)			0.71
6/14/2018			0.11 (J)	0.095 (J)			<0.1	0.15 (J)	
6/15/2018					0.07 (J)				
10/17/2018			<0.3						
10/18/2018		<0.1		0.054 (J)					
10/19/2018					0.17 (J)		<0.1		
10/22/2018						<0.1		0.78	0.81
2/25/2019		0.13 (J)							
2/27/2019			0.26 (J)	<0.1		0.13 (J)			
3/1/2019					0.14 (J)			0.34	0.38
4/2/2019		0.23 (J)	0.14 (J)	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		<0.1	0.071 (J)	0.052 (J)	<0.1	<0.1			
9/27/2019								1	0.54
9/30/2019							0.066 (J)		
2/20/2020		<0.1							
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		
3/19/2020		0.052 (J)	0.12 (J)						
3/20/2020				<0.1	<0.1		<0.1	0.23 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
3/23/2020						<0.1			0.056 (J)
5/22/2020	0.065 (J)								
6/23/2020	<0.1								
7/28/2020	<0.1								
9/2/2020	0.061 (J)								
9/24/2020		0.059 (J)	0.12	0.058 (J)			<0.1	0.24	0.062 (J)
9/28/2020					<0.1	<0.1			
10/1/2020	<0.1								
11/10/2020	<0.1								
12/15/2020	0.052 (J)								
1/20/2021	<0.1								
2/18/2021	0.055 (J)	0.064 (J)	0.1	<0.1	<0.1	<0.1			
2/19/2021							<0.1	0.2	<0.1
3/24/2021	<0.1	0.053 (J)	0.11	<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)
8/18/2021	<0.1	<0.1							
8/19/2021			0.097 (J)	<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)
2/9/2022	<0.1								
2/11/2022		0.056 (J)	0.1						
2/14/2022									<0.1
2/15/2022								0.24	
2/16/2022				<0.1	<0.1	<0.1	<0.1		
7/26/2022	0.082 (J)								
7/27/2022		0.091 (J)	0.13	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	0.084 (J)	0.091 (J)	0.13	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	
8/16/2023	0.076 (J)								
8/17/2023		0.074 (J)	0.12	0.056 (J)					
8/18/2023					0.077 (J)	0.068 (J)			
8/22/2023								0.23	
8/23/2023							<0.1		<0.1
2/1/2024	0.066 (J)	0.072 (J)	0.12						
2/2/2024				<0.1	0.069 (J)				
2/5/2024						0.056 (J)	<0.1		
2/8/2024								0.19	0.059 (J)
8/16/2024	0.082 (J)								
8/19/2024		0.1	0.14	0.081 (J)	<0.1				
8/20/2024						0.072 (J)			
8/21/2024								0.22	
8/22/2024							<0.1		<0.1
2/5/2025	0.085 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/6/2025		0.12				0.077 (J)			
2/7/2025			0.17	0.074 (J)	0.083 (J)				
2/10/2025							0.078 (J)		
2/11/2025									0.056 (J)
2/13/2025								0.29	
8/4/2025	0.084 (J)								
8/5/2025		0.086 (J)	0.14	0.077 (J)					
8/6/2025					0.076 (J)				
8/7/2025						0.061 (J)		0.27	
8/11/2025							<0.1		0.074 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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						
10/17/2018								<0.3	
10/18/2018				<0.1					
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					0.44	
4/3/2019	3								
4/4/2019		<0.1		<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			0.13 (J)					0.26 (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)	<0.1				0.13 (J)	
2/27/2020					0.13 (J)	<0.1			0.55
3/23/2020			0.054 (J)	<0.1				0.13 (J)	
3/24/2020		<0.1			0.13 (J)	<0.1			0.61
3/25/2020	0.056 (J)						0.17 (J)		
9/2/2020									0.47
9/25/2020	0.054 (J)		<0.1		0.097 (J)		0.17		
9/28/2020		<0.1		<0.1		<0.1		0.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
2/19/2021	0.14					<0.1			
2/22/2021				<0.1			0.21		
2/23/2021		<0.1			0.13				
3/8/2021			<0.1					0.14	
3/9/2021									0.67
3/25/2021			<0.1					0.12	
3/26/2021	0.095 (J)	<0.1					0.13		
3/29/2021				<0.1					0.73
3/30/2021					0.14	<0.1			
7/19/2021	0.13								
7/20/2021			<0.1						
8/19/2021		<0.1	<0.1						0.4
8/20/2021				<0.1			0.22		
8/23/2021	0.12							0.11	
8/24/2021						<0.1			
8/25/2021					0.15				
11/1/2021	0.15		0.055 (J)						0.32
2/14/2022			0.075 (J)					0.12	0.34
2/15/2022	<0.1								
2/16/2022		<0.1		<0.1	0.13	<0.1			
2/17/2022							0.21		
7/27/2022		0.051 (J)							
7/28/2022				<0.1		0.053 (J)	0.23		
7/29/2022					0.16			0.14	
8/1/2022			0.09 (J)						
8/2/2022	0.097 (J)								0.46
10/21/2022	0.14								
1/27/2023		0.053 (J)		<0.1					
1/30/2023						0.06 (J)	0.17		
1/31/2023					0.13				
2/1/2023	0.18		0.092 (J)					0.13	
2/7/2023									0.11
8/17/2023		<0.1							
8/18/2023				<0.1	0.14	0.052 (J)			
8/21/2023			0.065 (J)					0.11	0.12
8/24/2023							0.1		
8/25/2023	0.15								
1/30/2024	0.13							0.096 (J)	
2/2/2024				<0.1					
2/5/2024		<0.1				<0.1			
2/6/2024			0.073 (J)						0.25
2/7/2024							0.15		
2/8/2024					0.12				
8/19/2024				0.051 (J)					
8/20/2024		0.055 (J)				0.057 (J)		0.13	
8/21/2024	0.17				0.13				
8/22/2024			0.087 (J)				0.15		0.58
2/5/2025								0.14	
2/6/2025				0.055 (J)		0.065 (J)			
2/10/2025		0.066 (J)	0.091 (J)						
2/11/2025	0.17						0.16		0.61
2/12/2025					0.14				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/5/2025			0.073 (J)						
8/6/2025									0.4
8/7/2025		<0.1				<0.1		0.14	
8/8/2025				<0.1					
8/11/2025	0.19						0.14		
8/12/2025					0.089 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	0.13 (J)							
2/28/2020	0.062 (J)							
3/25/2020	<0.1							
5/4/2020		0.93						
5/20/2020		0.78						
9/3/2020		0.87						
9/29/2020	<0.1							
1/28/2021					0.17	0.1		
2/22/2021	<0.1							
2/23/2021					0.087 (J)	0.073 (J)		
3/8/2021		0.9						
3/29/2021		1						
3/30/2021	0.06 (J)				0.11	0.12		
4/19/2021			0.055 (J)	0.078 (J)				
7/20/2021		1.2						
8/18/2021				<0.1				
8/23/2021		1.2			0.084 (J)	0.093 (J)		
8/24/2021	0.076 (J)		<0.1					
2/9/2022				0.08 (J)				
2/14/2022					0.13	0.1		
2/15/2022		0.89						
2/16/2022	0.068 (J)							
2/17/2022			<0.1					
4/28/2022								<0.1
7/26/2022				0.12				
7/28/2022	0.092 (J)					0.14		
8/1/2022		0.86	0.087 (J)		0.16			
8/2/2022								0.055 (J)
1/25/2023				0.16				
1/31/2023	0.084 (J)				0.15	0.14		
2/1/2023			0.085 (J)					
2/2/2023								<0.1
2/7/2023		0.97						
8/15/2023				0.14				
8/18/2023	0.089 (J)							
8/21/2023					0.14			
8/22/2023			<0.1			0.098 (J)		
8/23/2023		1.1						
1/30/2024		0.82						
1/31/2024				0.12				
2/5/2024					0.13	0.085 (J)		
2/6/2024			0.063 (J)					
2/7/2024	0.072 (J)							
8/16/2024				0.085 (J)				
8/20/2024	0.078 (J)				0.18	0.14		
8/21/2024		0.81	0.074 (J)					
8/22/2024								0.071 (J)
12/3/2024							0.057 (J)	
2/5/2025				0.15				
2/6/2025					0.19			
2/7/2025						0.14		0.062 (J)
2/10/2025	0.085 (J)		0.087 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/11/2025		0.89						
2/12/2025							0.076 (J)	
7/31/2025				0.076 (J)				
8/6/2025			0.061 (J)					
8/7/2025		0.94						
8/8/2025	0.059 (J)						0.076 (J)	
8/11/2025						0.13		0.051 (J)
8/13/2025					0.18			

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	0.0024						<0.001		
6/7/2016						<0.001		<0.001	<0.001
6/8/2016					<0.001				
8/9/2016	<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	
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/5/2016							0.0005 (J)		
10/6/2016					<0.001				0.0002 (J)
10/7/2016								<0.001	
11/29/2016	0.0002 (J)								
12/1/2016		<0.001							
12/2/2016						<0.001			
12/5/2016							0.0002 (J)		0.0003 (J)
12/6/2016					<0.001			<0.001	
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017					<0.001		<0.001		<0.001
2/16/2017								<0.001	
4/13/2017	<0.001								
4/14/2017		<0.001				<0.001			
4/17/2017							0.0001 (J)		
4/18/2017					<0.001			<0.001	<0.001
5/25/2017	0.0001 (J)	<0.001							
5/26/2017						0.0003 (J)	0.0001 (J)		
6/2/2017					<0.001			<0.001	0.0001 (J)
7/7/2017	<0.001								
7/10/2017		<0.001				<0.001			
7/11/2017							<0.001		
7/12/2017								<0.001	
7/13/2017									0.0001 (J)
7/14/2017					<0.001				
3/26/2018	<0.001	<0.001				<0.001			
3/27/2018					<0.001		<0.001	<0.001	
3/28/2018									<0.001
2/25/2019	<0.001					<0.001			
2/27/2019		<0.001							
2/28/2019					<0.001			<0.001	<0.001
4/1/2019	<0.001	<0.001				<0.001	9.2E-05 (J)		<0.001
4/2/2019					<0.001			<0.001	
9/23/2019	<0.001	<0.001							
9/24/2019					<0.001	<0.001	5.6E-05 (J)		
9/25/2019								0.00019 (J)	0.00063 (J)
2/18/2020	<0.001								
2/19/2020		<0.001				0.00014 (J)			
2/20/2020							8.2E-05 (J)	0.00014 (J)	
2/21/2020					<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/24/2020									<0.001
3/18/2020	<0.001	<0.001				<0.001			
3/19/2020					<0.001		6.3E-05 (J)		<0.001
3/23/2020								<0.001	
5/22/2020			8.9E-05 (J)						
5/25/2020				0.00013 (J)					
6/23/2020			5.8E-05 (J)	8.1E-05 (J)					
7/28/2020			5.7E-05 (J)	5.2E-05 (J)					
9/2/2020			7.4E-05 (J)						
9/3/2020				3.8E-05 (J)					
9/23/2020	0.00014 (J)	<0.001				<0.001			
9/24/2020							<0.001	<0.001	
9/25/2020					<0.001				<0.001
10/1/2020			0.00021 (J)	0.00014 (J)					
11/10/2020			6.5E-05 (J)	0.00013 (J)					
12/15/2020			8E-05 (J)	0.00011 (J)					
1/20/2021			7.2E-05 (J)	0.00025 (J)					
2/16/2021	0.00011 (J)	4.2E-05 (J)				0.0001 (J)			
2/17/2021			0.00015 (J)	0.00026 (J)			7.5E-05 (J)		
2/18/2021					<0.001			<0.001	
2/19/2021									8.7E-05 (J)
3/23/2021		<0.001							
3/24/2021						0.00015 (J)	<0.001		0.00013 (J)
3/25/2021			<0.001	0.00011 (J)					
3/26/2021	6.8E-05 (J)								
3/30/2021					<0.001			<0.001	
8/16/2021	<0.001	<0.001	<0.001	<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	<0.001					
2/10/2022		<0.001				<0.001	<0.001		
2/11/2022					<0.001			<0.001	<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			<0.001	
1/24/2023	<0.001	<0.001	<0.001	<0.001					
1/26/2023					<0.001	<0.001	<0.001		<0.001
1/27/2023								<0.001	
8/15/2023			<0.001						
8/16/2023		<0.001		<0.001		<0.001			<0.001
8/17/2023					<0.001		<0.001	<0.001	
8/21/2023	<0.001								
1/31/2024			<0.001	<0.001					
2/1/2024						<0.001	<0.001	<0.001	<0.001
2/2/2024					<0.001				
2/5/2024		<0.001							
2/8/2024	<0.001								
8/15/2024			<0.001	<0.001					
8/16/2024					<0.001	<0.001			
8/19/2024							<0.001		<0.001
8/20/2024								<0.001	
8/21/2024	<0.001	<0.001							

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/4/2025			<0.001	<0.001					
2/5/2025						<0.001	<0.001		<0.001
2/6/2025		<0.001			<0.001			<0.001	
2/10/2025	<0.001								
7/31/2025			<0.001	<0.001		<0.001			
8/4/2025							<0.001		<0.001
8/5/2025	<0.001				<0.001			<0.001	
8/12/2025		<0.001							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.001	<0.001						
6/8/2016				<0.001	<0.001	<0.001	<0.001	<0.001	
6/9/2016									<0.001
8/11/2016		<0.001	<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	<0.001	<0.001				
10/10/2016						<0.001	<0.001	<0.001	<0.001
12/6/2016		<0.001	<0.001	0.0001 (J)					
12/7/2016					<0.001	<0.001			<0.001
12/8/2016							<0.001	<0.001	
2/16/2017		<0.001	<0.001	0.0002 (J)	<0.001				
2/17/2017						<0.001	<0.001	<0.001	
2/20/2017									<0.001
4/18/2017		<0.001							
4/19/2017			<0.001	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001
4/20/2017								<0.001	
5/30/2017		0.0001 (J)	<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		0.0002 (J)	<0.001	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	<0.001	<0.001				
3/28/2018						<0.001	<0.001		
3/29/2018								<0.001	<0.001
2/25/2019		<0.001							
2/27/2019			<0.001	<0.001		<0.001			
3/1/2019					<0.001			0.00033 (J)	<0.001
4/2/2019		<0.001	<0.001	8.1E-05 (J)					
4/3/2019					<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001
9/26/2019		0.00034 (J)	<0.001	<0.001	<0.001	<0.001			
9/27/2019								5.4E-05 (J)	<0.001
9/30/2019							7.3E-05 (J)		
2/20/2020		0.00014 (J)							
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)		
3/19/2020		0.00013 (J)	<0.001						
3/20/2020				<0.001	<0.001		6E-05 (J)	<0.001	
3/23/2020						<0.001			<0.001
5/22/2020	7.3E-05 (J)								
6/23/2020	<0.001								
7/28/2020	<0.001								
9/2/2020	<0.001								
9/24/2020		0.00021 (J)	<0.001	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)
9/28/2020					3.8E-05 (J)	8.3E-05 (J)			
10/1/2020	6.2E-05 (J)								
11/10/2020	0.00011 (J)								
12/15/2020	5.6E-05 (J)								
1/20/2021	<0.001								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/18/2021	<0.001	0.00013 (J)	<0.001	<0.001	<0.001	<0.001			
2/19/2021							8.7E-05 (J)	0.00011 (J)	<0.001
3/24/2021	<0.001	8E-05 (J)	<0.001	<0.001					
3/26/2021					<0.001				0.00031 (J)
3/29/2021						<0.001	9.4E-05 (J)	6.1E-05 (J)	
8/18/2021	<0.001	<0.001							
8/19/2021			<0.001	<0.001					
8/20/2021					<0.001	<0.001	<0.001		
8/23/2021								<0.001	<0.001
2/9/2022	<0.001								
2/11/2022		<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		
7/26/2022	<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	
1/26/2023	<0.001	<0.001	<0.001	<0.001					
1/27/2023					<0.001		<0.001		
1/30/2023						<0.001			
2/2/2023									<0.001
2/7/2023								<0.001	
8/16/2023	<0.001								
8/17/2023		0.00041 (J)	<0.001	<0.001					
8/18/2023					<0.001	<0.001			
8/22/2023								0.00014 (J)	
8/23/2023							<0.001		<0.001
2/1/2024	<0.001	0.00055 (J)	<0.001						
2/2/2024				<0.001	0.00018 (J)				
2/5/2024						<0.001	<0.001		
2/8/2024								<0.001	<0.001
8/16/2024	<0.001								
8/19/2024		0.00021 (J)	<0.001	<0.001	<0.001				
8/20/2024						<0.001			
8/21/2024								<0.001	
8/22/2024							<0.001		<0.001
2/5/2025	<0.001								
2/6/2025		0.00027 (J)				<0.001			
2/7/2025			<0.001	<0.001	<0.001				
2/10/2025							<0.001		
2/11/2025									<0.001
2/13/2025								<0.001	
8/4/2025	<0.001								
8/5/2025		0.0003 (J)	<0.001	<0.001					
8/6/2025					<0.001				
8/7/2025						<0.001		<0.001	
8/11/2025							<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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					0.00067 (J)	
4/3/2019	<0.001								
4/4/2019		<0.001		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			0.00018 (J)					0.0005 (J)	
9/30/2019	<0.001	<0.001							
2/25/2020							0.00025 (J)		
2/26/2020	<0.001	<0.001	0.00035 (J)	7.6E-05 (J)				0.00033 (J)	
2/27/2020					<0.001	<0.001			0.00025 (J)
3/23/2020			0.00011 (J)	0.00028 (J)				0.00014 (J)	
3/24/2020		<0.001			<0.001	<0.001			0.00016 (J)
3/25/2020	5.4E-05 (J)						0.00018 (J)		
9/2/2020									0.00022 (J)
9/25/2020	0.0001 (J)		0.00016 (J)		0.00011 (J)		0.00037 (J)		
9/28/2020		5.1E-05 (J)		0.0013 (J)		<0.001		0.00017 (J)	
2/19/2021	4.3E-05 (J)					<0.001			
2/22/2021				0.00045 (J)			0.00011 (J)		
2/23/2021		7.4E-05 (J)			7.2E-05 (J)				
3/8/2021			0.00018 (J)					0.00011 (J)	
3/9/2021									<0.001
3/25/2021			0.00015 (J)					<0.001	
3/26/2021	7.1E-05 (J)	0.00013 (J)					<0.001		
3/29/2021				0.00061 (J)					<0.001
3/30/2021					<0.001	<0.001			
8/19/2021		<0.001	<0.001						<0.001
8/20/2021				<0.001			<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/23/2021	<0.001							<0.001	
8/24/2021						<0.001			
8/25/2021					<0.001				
2/14/2022			<0.001					<0.001	<0.001
2/15/2022	<0.001								
2/16/2022		<0.001		<0.001	<0.001	<0.001			
2/17/2022							<0.001		
7/27/2022		<0.001							
7/28/2022				<0.001		<0.001	<0.001		
7/29/2022					<0.001			<0.001	
8/1/2022			<0.001						
8/2/2022	<0.001								<0.001
10/21/2022	<0.001								
1/27/2023		<0.001		<0.001					
1/30/2023						<0.001	<0.001		
1/31/2023					<0.001				
2/1/2023	<0.001		<0.001					<0.001	
2/7/2023									<0.001
8/17/2023		<0.001							
8/18/2023				0.00024 (J)	<0.001	<0.001			
8/21/2023			0.00017 (J)					<0.001	0.00014 (J)
8/24/2023							<0.001		
8/25/2023	<0.001								
1/30/2024	<0.001							<0.001	
2/2/2024				0.00043 (J)					
2/5/2024		<0.001				<0.001			
2/6/2024			<0.001						<0.001
2/7/2024							<0.001		
2/8/2024					<0.001				
8/19/2024				0.00019 (J)					
8/20/2024		<0.001				<0.001		<0.001	
8/21/2024	<0.001				<0.001				
8/22/2024			<0.001				<0.001		<0.001
2/5/2025								<0.001	
2/6/2025				<0.001		<0.001			
2/10/2025		<0.001	<0.001						
2/11/2025	<0.001						<0.001		<0.001
2/12/2025					<0.001				
8/5/2025			<0.001						
8/6/2025									<0.001
8/7/2025		<0.001				<0.001		<0.001	
8/8/2025				<0.001					
8/11/2025	<0.001						<0.001		
8/12/2025					<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.00014 (J)							
3/25/2020	0.00017 (J)							
9/3/2020		0.00012 (J)						
9/29/2020	0.00024 (J)							
1/28/2021					0.00016 (J)	5.4E-05 (J)		
2/22/2021	0.00014 (J)							
2/23/2021					0.00015 (J)	0.0001 (J)		
3/8/2021		<0.001						
3/29/2021		<0.001						
3/30/2021	0.00018 (J)				0.00022 (J)	0.00011 (J)		
4/19/2021			4.4E-05 (J)	0.00014 (J)				
8/18/2021				<0.001				
8/23/2021		<0.001			<0.001	<0.001		
8/24/2021	<0.001		<0.001					
2/9/2022				<0.001				
2/14/2022					<0.001	<0.001		
2/15/2022		<0.001						
2/16/2022	<0.001							
2/17/2022			<0.001					
4/28/2022								<0.001
7/26/2022				<0.001				
7/28/2022	<0.001					<0.001		
8/1/2022		<0.001	<0.001		<0.001			
8/2/2022								<0.001
1/25/2023				<0.001				
1/31/2023	<0.001				<0.001	<0.001		
2/1/2023			<0.001					
2/2/2023								<0.001
2/7/2023		<0.001						
8/15/2023				<0.001				
8/18/2023	<0.001							
8/21/2023					<0.001			
8/22/2023			<0.001			<0.001		
8/23/2023		<0.001						
1/30/2024		<0.001						
1/31/2024				<0.001				
2/5/2024					<0.001	<0.001		
2/6/2024			<0.001					
2/7/2024	<0.001							
8/16/2024				<0.001				
8/20/2024	<0.001				<0.001	<0.001		
8/21/2024		<0.001	<0.001					
8/22/2024								<0.001
12/3/2024							<0.001	
2/5/2025				<0.001				
2/6/2025					<0.001			
2/7/2025						<0.001		<0.001
2/10/2025	<0.001		<0.001					
2/11/2025		<0.001						
2/12/2025							<0.001	
7/31/2025				<0.001				
8/6/2025			<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		<0.001						
8/8/2025	<0.001						<0.001	
8/11/2025						<0.001		<0.001
8/13/2025					<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.002						<0.03		
6/7/2016						<0.002		0.0065	<0.03
6/8/2016					0.0079				
8/9/2016	<0.002								
8/10/2016						<0.002			
8/11/2016					0.0093 (J)		<0.03		
8/12/2016									<0.03
8/16/2016								<0.03	
8/22/2016		<0.03							
10/3/2016	<0.002								
10/4/2016		<0.03				<0.002			
10/5/2016							<0.03		
10/6/2016					0.0102 (J)				<0.03
10/7/2016								<0.03	
11/29/2016	<0.002								
12/1/2016		<0.03							
12/2/2016						<0.002			
12/5/2016							<0.03		<0.03
12/6/2016					0.0094 (J)			<0.03	
1/10/2017		<0.03							
2/13/2017	<0.002								
2/14/2017		<0.03				<0.002			
2/15/2017					<0.05		<0.03		<0.03
2/16/2017								<0.03	
4/13/2017	<0.002								
4/14/2017		<0.03				<0.002			
4/17/2017							0.0013 (J)		
4/18/2017					0.0086 (J)			0.0011 (J)	<0.03
5/25/2017	<0.002	<0.03							
5/26/2017						<0.002	0.0013 (J)		
6/2/2017					0.0102 (J)			0.0011 (J)	<0.03
7/7/2017	<0.002								
7/10/2017		<0.03				<0.002			
7/11/2017							<0.03		
7/12/2017								<0.03	
7/13/2017									<0.03
7/14/2017					0.0092 (J)				
3/26/2018	<0.002	<0.03				<0.002			
3/27/2018					0.0087 (J)		0.0014 (J)	0.0025 (J)	
3/28/2018									<0.03
6/12/2018	<0.002	<0.03				<0.002	0.0012 (J)		
6/13/2018					0.0084 (J)				
6/14/2018								0.0011 (J)	<0.03
10/16/2018	<0.002	<0.03				0.001 (J)			
10/17/2018							<0.03		<0.03
10/18/2018					0.0083 (J)			0.0016 (J)	
2/25/2019	<0.002					<0.002			
2/27/2019		<0.03							
2/28/2019					0.0086 (J)			0.0017 (J)	0.0011 (J)
4/1/2019	<0.002	0.00059 (J)				<0.002	0.0012 (J)		0.00078 (J)
4/2/2019					0.0073 (J)			0.0012 (J)	
9/23/2019	<0.002	0.00089 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/24/2019					0.0083 (J)	<0.002	0.0011 (J)		
9/25/2019								<0.03	0.001 (J)
2/18/2020	<0.002								
2/19/2020		<0.03				<0.002			
2/20/2020							0.002 (J)	0.00093 (J)	
2/21/2020					0.0088 (J)				
2/24/2020									0.00091 (J)
3/18/2020	<0.002	<0.03				<0.002			
3/19/2020					0.0097 (J)		0.0019 (J)		0.00097 (J)
3/23/2020								0.00084 (J)	
5/22/2020			<0.03						
5/25/2020				0.0011 (J)					
6/23/2020			<0.03	<0.002					
7/28/2020			<0.03	0.0014 (J)					
9/2/2020			<0.03						
9/3/2020				0.0014 (J)					
9/23/2020	<0.002	0.00085 (J)				<0.002			
9/24/2020							0.0011 (J)	0.0013 (J)	
9/25/2020					0.0065 (J)				0.001 (J)
10/1/2020			<0.03	0.0011 (J)					
11/10/2020			<0.03	<0.002					
12/15/2020			<0.03	0.00089 (J)					
1/20/2021			<0.03	0.00091 (J)					
2/16/2021	<0.002	<0.03				<0.002			
2/17/2021			<0.03	0.00099 (J)			0.0013 (J)		
2/18/2021					0.0072 (J)			0.0011 (J)	
2/19/2021									0.0011 (J)
3/23/2021		0.00087 (J)							
3/24/2021						<0.002	0.0014 (J)		0.0012 (J)
3/25/2021			<0.03	<0.002					
3/26/2021	<0.002								
3/30/2021					0.0084 (J)			0.00092 (J)	
8/16/2021	<0.002	0.00093 (J)	<0.03	<0.002					
8/18/2021						<0.002	0.0013 (J)	<0.03	0.0013 (J)
8/19/2021					0.007 (J)				
2/9/2022	<0.002		0.00083 (J)	<0.002					
2/10/2022		<0.03				<0.002	0.0016 (J)		
2/11/2022					0.0074 (J)			0.00079 (J)	0.0011 (J)
7/26/2022	<0.002	0.00095 (J)	0.00073 (J)	<0.002		<0.002	0.0014 (J)		
7/27/2022									0.0014 (J)
7/28/2022					0.0061 (J)			0.00076 (J)	
1/24/2023	<0.002	<0.03	<0.03	<0.002					
1/26/2023					0.0065 (J)	<0.002	0.0018 (J)		0.0013 (J)
1/27/2023								0.00082 (J)	
8/15/2023			<0.03						
8/16/2023		0.00086 (J)		<0.002		<0.002			0.0016 (J)
8/17/2023					0.0059 (J)		0.0015 (J)	<0.03	
8/21/2023	<0.002								
1/31/2024			<0.03	<0.002					
2/1/2024						<0.002	0.002 (J)	<0.03	<0.03
2/2/2024					0.0066 (J)				
2/5/2024		<0.03							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/8/2024	<0.002								
8/15/2024			<0.03	<0.002					
8/16/2024					0.0057 (J)	<0.002			
8/19/2024							<0.03		0.0017 (J)
8/20/2024								<0.03	
8/21/2024	<0.002	<0.03							
2/4/2025			0.000632 (J)	<0.002					
2/5/2025						<0.002	0.00148 (J)		0.00153 (J)
2/6/2025		0.00139 (J)			0.0063 (J)			0.00129 (J)	
2/10/2025	<0.002								
7/31/2025			0.000775 (J)	<0.002		<0.002			
8/4/2025							0.00211		0.00222
8/5/2025	<0.002				0.005			0.000696 (J)	
8/12/2025		0.00197 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.03	<0.03						
6/8/2016				<0.002	<0.002	0.016	<0.002	0.012	
6/9/2016									0.0074
8/11/2016		<0.03	<0.03						
8/12/2016				<0.002	<0.002	0.0202 (J)			
8/18/2016							<0.002	0.0118 (J)	0.0078 (J)
10/7/2016		<0.03	<0.03	<0.002	<0.002				
10/10/2016						0.0194 (J)	<0.002	0.0137 (J)	0.0093 (J)
12/6/2016		<0.03	<0.03	<0.002					
12/7/2016					<0.002	0.0265 (J)			0.0117 (J)
12/8/2016							<0.002	0.0154 (J)	
2/16/2017		<0.03	<0.03	<0.002	<0.002				
2/17/2017						0.0253 (J)	<0.002	0.0125 (J)	
2/20/2017									0.011 (J)
4/18/2017		<0.03							
4/19/2017			<0.03	<0.002	<0.002	0.0233 (J)	<0.002		0.0105 (J)
4/20/2017								0.012 (J)	
5/30/2017		<0.03	<0.03						
6/1/2017				<0.002	<0.002	0.023 (J)	<0.002		
6/5/2017								0.0114 (J)	0.0108 (J)
7/14/2017		<0.03	<0.03	<0.002	<0.002				
7/17/2017									0.0095 (J)
7/18/2017						0.0207 (J)	<0.002		
7/19/2017								0.0126 (J)	
3/27/2018		<0.03	<0.03	<0.002	<0.002				
3/28/2018						0.013 (J)	<0.002		
3/29/2018								0.021 (J)	0.014 (J)
6/12/2018		<0.03							
6/13/2018						0.02 (J)			0.014 (J)
6/14/2018			<0.03	<0.002			<0.002	0.024 (J)	
6/15/2018					<0.002				
10/17/2018			<0.03						
10/18/2018		<0.03		<0.002					
10/19/2018					<0.002		<0.002		
10/22/2018						0.016 (J)		0.034 (J)	0.016 (J)
2/25/2019		<0.03							
2/27/2019			<0.03	<0.002		0.015 (J)			
3/1/2019					<0.002			0.022 (J)	0.017 (J)
4/2/2019		0.00049 (J)	0.00069 (J)	<0.002					
4/3/2019					<0.002	0.012 (J)	<0.002	0.024 (J)	0.013 (J)
9/26/2019		<0.03	<0.03	<0.002	<0.002	0.018 (J)			
9/27/2019								0.039	0.024 (J)
9/30/2019							<0.002		
2/20/2020		<0.03							
2/24/2020			<0.03	<0.002	<0.002	0.021 (J)			
2/25/2020								0.026 (J)	0.033
2/26/2020							<0.002		
3/19/2020		<0.03	<0.03						
3/20/2020				<0.002	<0.002		<0.002	0.029 (J)	
3/23/2020						0.02 (J)			0.032
5/22/2020	<0.03								
6/23/2020	<0.03								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
7/28/2020	<0.03								
9/2/2020	0.00095 (J)								
9/24/2020		<0.03	<0.03	<0.002			<0.002	0.043	0.031
9/28/2020					<0.002	0.027 (J)			
10/1/2020	0.00095 (J)								
11/10/2020	<0.03								
12/15/2020	0.00091 (J)								
1/20/2021	0.00082 (J)								
2/18/2021	<0.03	<0.03	<0.03	<0.002	<0.002	0.041			
2/19/2021							<0.002	0.035	0.04
3/24/2021	<0.03	<0.03	<0.03	<0.002					
3/26/2021					<0.002				0.039 (J)
3/29/2021						0.036	<0.002	0.033	
8/18/2021	0.00087 (J)	<0.03							
8/19/2021			<0.03	<0.002					
8/20/2021					<0.002	0.025 (J)	<0.002		
8/23/2021								0.028 (J)	0.029 (J)
2/9/2022	<0.03								
2/11/2022		<0.03	<0.03						
2/14/2022									0.033
2/15/2022								0.032 (J)	
2/16/2022				<0.002	<0.002	0.031	<0.002		
7/26/2022	0.0011 (J)								
7/27/2022		<0.03	<0.03	<0.002	<0.002	0.037			
7/28/2022							<0.002		
8/1/2022									0.029 (J)
8/2/2022								0.03 (J)	
1/26/2023	0.00077 (J)	<0.03	<0.03	<0.002					
1/27/2023					<0.002		<0.002		
1/30/2023						0.059			
2/2/2023									0.025 (J)
2/7/2023								0.018 (J)	
8/16/2023	0.0016 (J)								
8/17/2023		<0.03	<0.03	<0.002					
8/18/2023					<0.002	0.078			
8/22/2023								0.021 (J)	
8/23/2023							<0.002		0.016 (J)
2/1/2024	0.0019 (J)	<0.03	<0.03						
2/2/2024				<0.002	<0.002				
2/5/2024						0.095	<0.002		
2/8/2024								0.021 (J)	0.019 (J)
8/16/2024	0.0019 (J)								
8/19/2024		<0.03	<0.03	<0.002	<0.002				
8/20/2024						0.099			
8/21/2024								0.021 (J)	
8/22/2024							<0.002		0.019 (J)
2/5/2025	0.00137 (J)								
2/6/2025		0.00112 (J)				0.0861			
2/7/2025			<0.03	<0.002	<0.002				
2/10/2025							<0.002		
2/11/2025									0.0128 (J)
2/13/2025								0.014 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/4/2025	0.00169 (J)								
8/5/2025		0.000785 (J)	0.00082 (J)	<0.002					
8/6/2025					<0.002				
8/7/2025						0.0718		0.0129	
8/11/2025							<0.002		0.0122

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.002							
6/9/2016	0.0057								
8/15/2016		<0.002							
8/18/2016	0.0061 (J)								
10/10/2016	0.006 (J)	<0.002							
12/7/2016	0.0066 (J)								
12/8/2016		<0.002							
1/23/2017			0.0171 (J)						
2/7/2017			0.0196 (J)						
2/20/2017	0.0053 (J)	<0.002							
3/27/2017			0.0192 (J)						
4/17/2017			0.0169 (J)						
4/19/2017	0.0055 (J)								
4/20/2017		<0.002							
5/22/2017			0.0167 (J)						
6/1/2017		<0.002							
6/5/2017	0.0068 (J)		0.0177 (J)						
7/11/2017			0.0203 (J)						
7/17/2017	<0.03	<0.002							
8/23/2017			0.0182 (J)						
3/26/2018			0.0063 (J)						
3/28/2018		<0.002							
3/29/2018	0.0053 (J)								
6/13/2018	0.0067 (J)								
6/14/2018		<0.002							
6/15/2018			0.0049 (J)						
10/17/2018								0.0044 (J)	
10/18/2018				<0.002					
10/19/2018						0.00098 (J)			
10/22/2018	0.0075 (J)	<0.002	0.005 (J)		<0.03		0.011 (J)		
3/1/2019	0.0068 (J)	<0.002	0.0044 (J)						
4/2/2019			0.0041 (J)					0.0021 (J)	
4/3/2019	0.0048 (J)								
4/4/2019		<0.002		<0.002		0.00068 (J)	0.0096 (J)		
4/5/2019					<0.03				
9/24/2019				<0.002		<0.03			
9/26/2019					<0.03		0.013		
9/27/2019			0.0012 (J)					0.0028 (J)	
9/30/2019	0.0077 (J)	<0.002							
2/25/2020							0.011 (J)		
2/26/2020	0.0082 (J)	<0.002	0.00096 (J)	<0.002				0.001 (J)	
2/27/2020					<0.03	<0.03			0.02 (J)
3/23/2020			0.0014 (J)	<0.002				<0.03	
3/24/2020		<0.002			<0.03	<0.03			0.019 (J)
3/25/2020	0.0078 (J)						0.0092 (J)		
9/2/2020									0.0096 (J)
9/25/2020	0.0078 (J)		0.0011 (J)		<0.03		0.0062 (J)		
9/28/2020		<0.002		<0.002		<0.03		0.0011 (J)	
2/19/2021	0.0086 (J)					<0.03			
2/22/2021				<0.002			0.014 (J)		
2/23/2021		<0.002			<0.03				
3/8/2021			0.0012 (J)					0.0017 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
3/9/2021									0.011 (J)
3/25/2021			<0.03					0.0022 (J)	
3/26/2021	<0.03	<0.002					0.02 (J)		
3/29/2021				<0.002					0.012 (J)
3/30/2021					<0.03	<0.03			
8/19/2021		<0.002	0.0012 (J)						0.0066 (J)
8/20/2021				<0.002			0.016 (J)		
8/23/2021	0.0076 (J)							0.0022 (J)	
8/24/2021						<0.03			
8/25/2021					<0.03				
2/14/2022			0.0015 (J)					0.002 (J)	0.0061 (J)
2/15/2022	0.0086 (J)								
2/16/2022		<0.002		<0.002	<0.15 (O)	<0.03			
2/17/2022							0.018 (J)		
7/27/2022		<0.002							
7/28/2022				<0.002		<0.03	0.016 (J)		
7/29/2022					<0.03			0.0012 (J)	
8/1/2022			0.0012 (J)						
8/2/2022	<0.03								0.009 (J)
10/21/2022	0.0057 (J)								
1/27/2023		<0.002		<0.002					
1/30/2023						<0.03	0.021 (J)		
1/31/2023					<0.03				
2/1/2023	0.0063 (J)		0.0018 (J)					0.0013 (J)	
2/7/2023									0.0011 (J)
8/17/2023		<0.002							
8/18/2023				<0.002	<0.03	<0.03			
8/21/2023			0.0012 (J)					0.0012 (J)	<0.15 (o)
8/24/2023							0.023 (J)		
8/25/2023	0.0058 (J)								
1/30/2024	0.0054 (J)							0.0016 (J)	
2/2/2024				<0.002					
2/5/2024		<0.002				<0.03			
2/6/2024			<0.03						0.0023 (J)
2/7/2024							0.023 (J)		
2/8/2024					<0.03				
8/19/2024				<0.002					
8/20/2024		<0.002				<0.03		<0.03	
8/21/2024	0.0045 (J)				<0.03				
8/22/2024			<0.03				0.022 (J)		0.006 (J)
2/5/2025								0.00128 (J)	
2/6/2025				<0.002		0.000849 (J)			
2/10/2025		<0.002	<0.03						
2/11/2025	0.00445 (J)						0.0175 (J)		0.0075 (J)
2/12/2025					<0.03				
8/5/2025			0.00132 (J)						
8/6/2025									0.00189 (J)
8/7/2025		<0.002				0.000812 (J)		0.00173 (J)	
8/8/2025				<0.002					
8/11/2025	0.00614						0.0193		
8/12/2025					0.00116 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.00084 (J)							
3/25/2020	0.00079 (J)							
9/3/2020		0.023 (J)						
9/29/2020	<0.002							
1/28/2021					0.0017 (J)	0.0037 (J)		
2/22/2021	<0.002							
2/23/2021					0.0015 (J)	0.0038 (J)		
3/8/2021		0.024 (J)						
3/29/2021		0.026 (J)						
3/30/2021	0.00086 (J)				0.0035 (J)	0.0038 (J)		
4/19/2021			0.0083 (J)	<0.03				
8/18/2021				<0.03				
8/23/2021		0.031			0.0011 (J)	0.0033 (J)		
8/24/2021	0.001 (J)		0.01 (J)					
2/9/2022				<0.03				
2/14/2022					<0.03	0.002 (J)		
2/15/2022		0.027 (J)						
2/16/2022	<0.15 (O)							
2/17/2022			0.0076 (J)					
4/28/2022								<0.03
7/26/2022				<0.03				
7/28/2022	<0.002					0.00088 (J)		
8/1/2022		0.025 (J)	0.0057 (J)		<0.03			
8/2/2022								<0.03
1/25/2023				0.0019 (J)				
1/31/2023	<0.002				<0.03	0.0011 (J)		
2/1/2023			0.0042 (J)					
2/2/2023								<0.03
2/7/2023		0.016 (J)						
8/15/2023				0.0015 (J)				
8/18/2023	<0.002							
8/21/2023					<0.03			
8/22/2023			0.0065 (J)			<0.03		
8/23/2023		0.022 (J)						
1/30/2024		0.017 (J)						
1/31/2024				0.0019 (J)				
2/5/2024					<0.03	<0.03		
2/6/2024			0.0058 (J)					
2/7/2024	<0.002							
8/16/2024				<0.03				
8/20/2024	<0.002				<0.03	<0.03		
8/21/2024		0.019 (J)	0.0062 (J)					
8/22/2024								<0.03
12/3/2024							0.0018 (J)	
2/5/2025				0.00175 (J)				
2/6/2025					<0.03			
2/7/2025						0.00105 (J)		0.000796 (J)
2/10/2025	<0.002		0.00469 (J)					
2/11/2025		0.0172 (J)						
2/12/2025							0.00115 (J)	
7/31/2025				0.00116 (J)				
8/6/2025			0.00427					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		0.0173						
8/8/2025	<0.002						0.00114 (J)	
8/11/2025						0.00143 (J)		0.00351
8/13/2025					0.0014 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	7.7E-05 (J)						8E-05 (J)		
6/7/2016						9.7E-05 (J)		0.0001 (J)	0.0001 (J)
6/8/2016					<0.0002				
8/9/2016	<0.0002								
8/10/2016						<0.0002			
8/11/2016					<0.0002		<0.0002		
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			
10/5/2016							<0.0002		
10/6/2016					<0.0002				<0.0002
10/7/2016								<0.0002	
11/29/2016	<0.0002								
12/1/2016		<0.0002							
12/2/2016						<0.0002			
12/5/2016							<0.0002		<0.0002
12/6/2016					<0.0002			<0.0002	
1/10/2017		<0.0002							
2/13/2017	<0.0002								
2/14/2017		<0.0002				<0.0002			
2/15/2017					<0.0002		<0.0002		<0.0002
2/16/2017								<0.0002	
4/13/2017	<0.0002								
4/14/2017		<0.0002				<0.0002			
4/17/2017							<0.0002		
4/18/2017					<0.0002			<0.0002	<0.0002
5/25/2017	<0.0002	<0.0002							
5/26/2017						<0.0002	<0.0002		
6/2/2017					<0.0002			<0.0002	<0.0002
7/7/2017	<0.0002								
7/10/2017		<0.0002				<0.0002			
7/11/2017							<0.0002		
7/12/2017								<0.0002	
7/13/2017									<0.0002
7/14/2017					<0.0002				
3/26/2018	<0.0002	<0.0002				<0.0002			
3/27/2018					<0.0002		<0.0002	<0.0002	
3/28/2018									<0.0002
2/25/2019	<0.0002					<0.0002			
2/27/2019		6.5E-05 (J)							
2/28/2019					5.3E-05 (J)			4.8E-05 (J)	5.8E-05 (J)
4/1/2019	<0.0002	<0.0002				<0.0002	<0.0002		<0.0002
4/2/2019					<0.0002			<0.0002	
9/23/2019	<0.0002	<0.0002							
9/24/2019					<0.0002	<0.0002	<0.0002		
9/25/2019								<0.0002	<0.0002
2/18/2020	<0.0002								
2/19/2020		<0.0002				<0.0002			
2/20/2020							<0.0002	<0.0002	
2/21/2020					<0.0002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/24/2020									<0.0002
3/18/2020	<0.0002	<0.0002				<0.0002			
3/19/2020					<0.0002		<0.0002		<0.0002
3/23/2020								<0.0002	
5/22/2020			<0.0002						
5/25/2020				<0.0002					
6/23/2020			<0.0002	<0.0002					
7/28/2020			<0.0002	<0.0002					
9/2/2020			<0.0002						
9/3/2020				<0.0002					
9/23/2020	<0.0002	<0.0002				<0.0002			
9/24/2020							<0.0002	<0.0002	
9/25/2020					<0.0002				<0.0002
10/1/2020			<0.0002	<0.0002					
11/10/2020			<0.0002	<0.0002					
12/15/2020			<0.0002	<0.0002					
1/20/2021			<0.0002	<0.0002					
2/16/2021	<0.0002	<0.0002				<0.0002			
2/17/2021			<0.0002	<0.0002			<0.0002		
2/18/2021					<0.0002			<0.0002	
2/19/2021									<0.0002
3/23/2021		<0.0002							
3/24/2021						<0.0002	<0.0002		<0.0002
3/25/2021			<0.0002	<0.0002					
3/26/2021	<0.0002								
3/30/2021					<0.0002			<0.0002	
8/16/2021	<0.0002	<0.0002	<0.0002	<0.0002					
8/18/2021						<0.0002	<0.0002	<0.0002	<0.0002
8/19/2021					<0.0002				
2/9/2022	<0.0002		<0.0002	<0.0002					
2/10/2022		<0.0002				<0.0002	<0.0002		
2/11/2022					<0.0002			<0.0002	<0.0002
7/26/2022	0.00019 (J)	0.00015 (J)	0.00022	0.00014 (J)		0.00016 (J)	0.00016 (J)		
7/27/2022									<0.0002
7/28/2022					<0.0002			<0.0002	
1/24/2023	<0.0002	<0.0002	0.00022	<0.0002					
1/26/2023					<0.0002	<0.0002	0.00013 (J)		0.00013 (J)
1/27/2023								0.00018 (J)	
8/15/2023			<0.0002						
8/16/2023		<0.0002		<0.0002		<0.0002			<0.0002
8/17/2023					<0.0002		<0.0002	<0.0002	
8/21/2023	<0.0002								
1/31/2024			<0.0002	<0.0002					
2/1/2024						<0.0002	<0.0002	<0.0002	<0.0002
2/2/2024					<0.0002				
2/5/2024		<0.0002							
2/8/2024	<0.0002								
8/15/2024			<0.0002	<0.0002					
8/16/2024					<0.0002	<0.0002			
8/19/2024							<0.0002		<0.0002
8/20/2024								<0.0002	
8/21/2024	<0.0002	<0.0002							

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/4/2025			<0.0002	<0.0002					
2/5/2025						<0.0002	<0.0002		<0.0002
2/6/2025		<0.0002			<0.0002			<0.0002	
2/10/2025	<0.0002								
7/31/2025			<0.0002	0.00014 (J)		<0.0002			
8/4/2025							<0.0002		<0.0002
8/5/2025	<0.0002				<0.0002			<0.0002	
8/12/2025		<0.0002							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		9.8E-05 (J)	0.00017 (J)						
6/8/2016				<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)	
6/9/2016									<0.0002
8/11/2016		<0.0002	0.00019 (J)						
8/12/2016				<0.0002	<0.0002	<0.0002			
8/18/2016							<0.0002	<0.0002	<0.0002
10/7/2016		<0.0002	0.00014 (J)	<0.0002	<0.0002				
10/10/2016						<0.0002	<0.0002	<0.0002	<0.0002
12/6/2016		<0.0002	0.00016 (J)	<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	0.00017 (J)	<0.0002	<0.0002				
2/17/2017						<0.0002	<0.0002	<0.0002	
2/20/2017									<0.0002
4/18/2017		<0.0002							
4/19/2017			0.00014 (J)	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
4/20/2017								<0.0002	
5/30/2017		<0.0002	0.00023 (J)						
6/1/2017				<0.0002	<0.0002	<0.0002	<0.0002		
6/5/2017								<0.0002	<0.0002
7/14/2017		<0.0002	0.00016 (J)	<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	<0.0002	<0.0002				
3/28/2018						<0.0002	<0.0002		
3/29/2018								<0.0002	<0.0002
2/25/2019		<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)
4/2/2019		<0.0002	0.0004	<0.0002					
4/3/2019					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/26/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
9/27/2019								<0.0002	<0.0002
9/30/2019							<0.0002		
2/20/2020		<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		
3/19/2020		<0.0002	0.00017 (J)						
3/20/2020				<0.0002	<0.0002		<0.0002	<0.0002	
3/23/2020						<0.0002			<0.0002
5/22/2020	<0.0002								
6/23/2020	<0.0002								
7/28/2020	<0.0002								
9/2/2020	<0.0002								
9/24/2020		<0.0002	0.00027 (J)	<0.0002			<0.0002	<0.0002	<0.0002
9/28/2020					<0.0002	<0.0002			
10/1/2020	<0.0002								
11/10/2020	<0.0002								
12/15/2020	<0.0002								
1/20/2021	<0.0002								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/18/2021	<0.0002	<0.0002	0.00017 (J)	<0.0002	<0.0002	<0.0002			
2/19/2021							<0.0002	<0.0002	<0.0002
3/24/2021	<0.0002	<0.0002	0.00012 (J)	<0.0002					
3/26/2021					<0.0002				<0.0002
3/29/2021						<0.0002	<0.0002	<0.0002	
8/18/2021	<0.0002	0.0002 (J)							
8/19/2021			<0.0002	<0.0002					
8/20/2021					<0.0002	<0.0002	<0.0002		
8/23/2021								<0.0002	<0.0002
2/9/2022	<0.0002								
2/11/2022		<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		
7/26/2022	0.00016 (J)								
7/27/2022		<0.0002	0.00025	<0.0002	<0.0002	<0.0002			
7/28/2022							<0.0002		
8/1/2022									<0.0002
8/2/2022								<0.0002	
1/26/2023	<0.0002	0.00015 (J)	0.00027	<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	
8/16/2023	<0.0002								
8/17/2023		<0.0002	0.00031	<0.0002					
8/18/2023					<0.0002	<0.0002			
8/22/2023								<0.0002	
8/23/2023							<0.0002		0.00013 (J)
2/1/2024	0.00015 (J)	<0.0002	0.00031						
2/2/2024				<0.0002	<0.0002				
2/5/2024						<0.0002	<0.0002		
2/8/2024								<0.0002	<0.0002
8/16/2024	<0.0002								
8/19/2024		<0.0002	0.00019 (J)	<0.0002	<0.0002				
8/20/2024						<0.0002			
8/21/2024								<0.0002	
8/22/2024							<0.0002		<0.0002
2/5/2025	<0.0002								
2/6/2025		<0.0002				<0.0002			
2/7/2025			0.00017 (J)	<0.0002	<0.0002				
2/10/2025							<0.0002		
2/11/2025									<0.0002
2/13/2025								<0.0002	
8/4/2025	0.00018 (J)								
8/5/2025		<0.0002	0.00037 (L1)	<0.0002					
8/6/2025					<0.0002				
8/7/2025						<0.0002		<0.0002	
8/11/2025							<0.0002		<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
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					<0.0002	
4/3/2019	0.0013								
4/4/2019		<0.0002		<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					<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				0.00018 (J)	
2/27/2020					<0.0002	<0.0002			<0.0002
3/23/2020			<0.0002	<0.0002				<0.0002	
3/24/2020		<0.0002			<0.0002	<0.0002			<0.0002
3/25/2020	0.0011						<0.0002		
9/2/2020									0.0001 (J)
9/25/2020	0.0036		<0.0002		<0.0002		<0.0002		
9/28/2020		<0.0002		<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			<0.0002				
3/8/2021			<0.0002					<0.0002	
3/9/2021									<0.0002
3/25/2021			<0.0002					<0.0002	
3/26/2021	0.0058	<0.0002					<0.0002		
3/29/2021				<0.0002					<0.0002
3/30/2021					<0.0002	<0.0002			
8/19/2021		<0.0002	<0.0002						0.00012 (J)
8/20/2021				<0.0002			<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/23/2021	0.00026							<0.0002	
8/24/2021						<0.0002			
8/25/2021					<0.0002				
2/14/2022			<0.0002					<0.0002	<0.0002
2/15/2022	0.0014								
2/16/2022		<0.0002		<0.0002	<0.0002	<0.0002			
2/17/2022							<0.0002		
7/27/2022		<0.0002							
7/28/2022				0.00015 (J)		0.00014 (J)	0.00016 (J)		
7/29/2022					<0.0002			<0.0002	
8/1/2022			<0.0002						
8/2/2022	<0.0002								0.00028
10/21/2022	0.00026								
1/27/2023		0.00015 (J)		0.00014 (J)					
1/30/2023						0.00016 (J)	0.00014 (J)		
1/31/2023					<0.0002				
2/1/2023	0.00059		<0.0002					<0.0002	
2/7/2023									<0.0002
8/17/2023		<0.0002							
8/18/2023				<0.0002	<0.0002	<0.0002			
8/21/2023			<0.0002					0.00016 (J)	0.00057
8/24/2023							<0.0002		
8/25/2023	0.0023								
1/30/2024	0.00062							<0.0002	
2/2/2024				<0.0002					
2/5/2024		<0.0002				<0.0002			
2/6/2024			<0.0002						<0.0002
2/7/2024							<0.0002		
2/8/2024					<0.0002				
8/19/2024				<0.0002					
8/20/2024		<0.0002				<0.0002		<0.0002	
8/21/2024	0.00072				<0.0002				
8/22/2024			<0.0002				<0.0002		<0.0002
2/5/2025								<0.0002	
2/6/2025				<0.0002		<0.0002			
2/10/2025		<0.0002	<0.0002						
2/11/2025	0.00085						<0.0002		<0.0002
2/12/2025					<0.0002				
8/5/2025			<0.0002						
8/6/2025									0.00026 (L1)
8/7/2025		<0.0002				<0.0002		<0.0002	
8/8/2025				<0.0002					
8/11/2025	0.00094						<0.0002		
8/12/2025					<0.0002				

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	<0.0002							
3/25/2020	<0.0002							
9/3/2020		<0.0002						
9/29/2020	<0.0002							
1/28/2021					0.0046	0.00019 (J)		
2/22/2021	<0.0002							
2/23/2021					0.0033	<0.0002		
3/8/2021		<0.0002						
3/29/2021		<0.0002						
3/30/2021	<0.0002				0.002	<0.0002		
4/19/2021			<0.0002	<0.0002				
8/18/2021				<0.0002				
8/23/2021		<0.0002			0.0014	<0.0002		
8/24/2021	<0.0002		<0.0002					
2/9/2022				<0.0002				
2/14/2022					0.00025	<0.0002		
2/15/2022		<0.0002						
2/16/2022	<0.0002							
2/17/2022			<0.0002					
4/28/2022								<0.0002
7/26/2022				<0.0002				
7/28/2022	<0.0002					<0.0002		
8/1/2022		<0.0002	<0.0002		<0.0002			
8/2/2022								0.00059
1/25/2023				<0.0002				
1/31/2023	<0.0002				0.00021	0.00018 (J)		
2/1/2023			<0.0002					
2/2/2023								0.00015 (J)
2/7/2023		<0.0002						
8/15/2023				<0.0002				
8/18/2023	<0.0002							
8/21/2023					0.00016 (J)			
8/22/2023			<0.0002			<0.0002		
8/23/2023		0.00015 (J)						
1/30/2024		<0.0002						
1/31/2024				<0.0002				
2/5/2024					<0.0002	<0.0002		
2/6/2024			<0.0002					
2/7/2024	<0.0002							
8/16/2024				<0.0002				
8/20/2024	<0.0002				<0.0002	<0.0002		
8/21/2024		<0.0002	<0.0002					
8/22/2024								0.0009
12/3/2024							<0.0002	
2/5/2025				<0.0002				
2/6/2025					<0.0002			
2/7/2025						<0.0002		0.00068
2/10/2025	<0.0002		<0.0002					
2/11/2025		<0.0002						
2/12/2025							<0.0002	
7/31/2025				<0.0002				
8/6/2025			<0.0002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		<0.0002						
8/8/2025	<0.0002						<0.0002	
8/11/2025						<0.0002		0.0013
8/13/2025					<0.0002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	0.0015 (J)						0.0028 (J)		
6/7/2016						0.00063 (J)		0.0067 (J)	<0.01
6/8/2016					0.0088 (J)				
8/9/2016	0.0016 (J)								
8/10/2016						0.0039 (J)			
8/11/2016					0.01		0.003 (J)		
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				0.0052 (J)			
10/5/2016							0.0032 (J)		
10/6/2016					0.0117				<0.01
10/7/2016								0.0032 (J)	
11/29/2016	0.0022 (J)								
12/1/2016		<0.01							
12/2/2016						<0.01			
12/5/2016							0.0033 (J)		<0.01
12/6/2016					0.0102			0.0049 (J)	
1/10/2017		<0.01							
2/13/2017	0.002 (J)								
2/14/2017		<0.01				0.0044 (J)			
2/15/2017					0.0018 (J)		0.0027 (J)		<0.01
2/16/2017								0.0039 (J)	
4/13/2017	0.0025 (J)								
4/14/2017		<0.01				0.0013 (J)			
4/17/2017							0.0025 (J)		
4/18/2017					0.0103			0.0032 (J)	<0.01
5/25/2017	0.002 (J)	<0.01							
5/26/2017						0.0024 (J)	0.0029 (J)		
6/2/2017					0.0129			0.0035 (J)	<0.01
7/7/2017	0.0017 (J)								
7/10/2017		<0.01				0.0013 (J)			
7/11/2017							0.0029 (J)		
7/12/2017								0.0037 (J)	
7/13/2017									<0.01
7/14/2017					0.0129				
3/26/2018	<0.01	<0.01				<0.01			
3/27/2018					0.01		0.0031 (J)	0.0032 (J)	
3/28/2018									<0.01
6/12/2018	<0.01	<0.01				0.0026 (J)	0.0043 (J)		
6/13/2018					0.013				
6/14/2018								0.0033 (J)	<0.01
10/16/2018	<0.01	<0.01				0.0041 (J)			
10/17/2018							0.0038 (J)		<0.01
10/18/2018					0.01 (J)			0.0034 (J)	
2/25/2019	<0.01					<0.01			
2/27/2019		<0.01							
2/28/2019					0.016			0.0035 (J)	<0.01
4/1/2019	0.0014 (J)	0.00053 (J)				0.00054 (J)	0.0027 (J)		<0.01
4/2/2019					0.011			0.0032 (J)	
5/2/2019	<0.01								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/23/2019	0.0017 (J)	<0.01							
9/24/2019					0.01 (J)	0.0016 (J)	0.0041 (J)		
9/25/2019								0.0035 (J)	<0.01
2/18/2020	<0.01								
2/19/2020		<0.01				0.0018 (J)			
2/20/2020							0.002 (J)	0.0037 (J)	
2/21/2020					0.011				
2/24/2020									<0.01
3/18/2020	0.0012 (J)	<0.01				<0.01			
3/19/2020					0.011		0.0024 (J)		<0.01
3/23/2020								0.0035 (J)	
5/22/2020			0.0011 (J)						
5/25/2020				0.003 (J)					
6/23/2020			<0.01	0.0048 (J)					
7/28/2020			<0.01	0.0073 (J)					
9/2/2020			<0.01						
9/3/2020				0.0074 (J)					
9/23/2020	<0.01	<0.01				<0.01			
9/24/2020							0.0034 (J)	0.0032 (J)	
9/25/2020					0.0099 (J)				<0.01
10/1/2020			<0.01	0.0046 (J)					
11/10/2020			<0.01	0.0016 (J)					
12/15/2020			<0.01	0.0021 (J)					
1/20/2021			<0.01	0.0018 (J)					
2/16/2021	0.0011 (J)	<0.01				0.0011 (J)			
2/17/2021			<0.01	0.0017 (J)			0.0033 (J)		
2/18/2021					0.0098 (J)			0.0036 (J)	
2/19/2021									<0.01
3/23/2021		<0.01							
3/24/2021						<0.01	0.0027 (J)		<0.01
3/25/2021			<0.01	0.0015 (J)					
3/26/2021	0.00092 (J)								
3/30/2021					0.011			0.0035 (J)	
8/16/2021	<0.01	<0.01	<0.01	0.0011 (J)					
8/18/2021						0.0019 (J)	0.0028 (J)	0.0029 (J)	<0.01
8/19/2021					0.0094 (J)				
2/9/2022	<0.01		<0.01	0.00093 (J)					
2/10/2022		<0.01				0.00081 (J)	0.0026 (J)		
2/11/2022					0.0088 (J)			0.003 (J)	<0.01
7/26/2022	<0.01	<0.01	<0.01	0.0039 (J)		0.00096 (J)	0.0029 (J)		
7/27/2022									<0.01
7/28/2022					0.009 (J)			0.0028 (J)	
1/24/2023	<0.01	<0.01	<0.01	0.007 (J)					
1/26/2023					0.0096 (J)	0.00095 (J)	0.002 (J)		<0.01
1/27/2023								0.0025 (J)	
8/15/2023			<0.01						
8/16/2023		<0.01		0.004 (J)		<0.01			<0.01
8/17/2023					0.011		0.0039 (J)	0.0025 (J)	
8/21/2023	<0.01								
1/31/2024			<0.01	0.0026 (J)					
2/1/2024						<0.01	0.0016 (J)	0.002 (J)	<0.01
2/2/2024					0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/5/2024		<0.01							
2/8/2024	<0.01								
8/15/2024			<0.01	0.0048 (J)					
8/16/2024					0.01	<0.01			
8/19/2024							0.0027 (J)		<0.01
8/20/2024								0.0026 (J)	
8/21/2024	<0.01	<0.01							
2/4/2025			<0.01	0.009 (J)					
2/5/2025						<0.01	<0.01		<0.01
2/6/2025		<0.01			0.011			0.0027 (J)	
2/10/2025	<0.01								
7/31/2025			<0.01	0.0036 (J)		<0.01			
8/4/2025							0.0027 (J)		<0.01
8/5/2025	<0.01				0.011			<0.01	
8/12/2025		<0.01							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.01	<0.01						
6/8/2016				<0.01	<0.01	0.011 (J)	0.0027 (J)	0.07	
6/9/2016									0.013 (J)
8/11/2016		<0.01	<0.01						
8/12/2016				<0.01	<0.01	0.0127			
8/18/2016							0.0023 (J)	0.0758	0.0136
10/7/2016		<0.01	<0.01	<0.01	<0.01				
10/10/2016						0.0136	0.0025 (J)	0.0712	0.0134
12/6/2016		<0.01	<0.01	<0.01					
12/7/2016					<0.01	0.0139			0.0128
12/8/2016							<0.01	0.0682	
2/16/2017		<0.01	<0.01	<0.01	<0.01				
2/17/2017						0.0148	<0.01	0.066	
2/20/2017									0.0122
4/18/2017		<0.01							
4/19/2017			<0.01	<0.01	<0.01	0.012	0.0014 (J)		0.0124
4/20/2017								0.0662	
5/30/2017		<0.01	<0.01						
6/1/2017				<0.01	<0.01	0.0125	0.0012 (J)		
6/5/2017								0.071	0.0115
7/14/2017		<0.01	<0.01	<0.01	<0.01				
7/17/2017									0.0131
7/18/2017						0.0155	0.0013 (J)		
7/19/2017								0.0703	
3/27/2018		<0.01	<0.01	<0.01	<0.01				
3/28/2018						0.012	<0.01		
3/29/2018								0.056	0.013
6/12/2018		<0.01							
6/13/2018						0.016			0.013
6/14/2018			<0.01	<0.01			<0.01	0.059	
6/15/2018					<0.01				
10/17/2018			<0.01						
10/18/2018		<0.01		<0.01					
10/19/2018					<0.01		<0.01		
10/22/2018						0.013		0.055	0.013
2/25/2019		<0.01							
2/27/2019			<0.01	<0.01		0.013			
3/1/2019					<0.01			0.039	0.013
4/2/2019		<0.01	<0.01	<0.01					
4/3/2019					0.00023 (J)	0.012	0.0019 (J)	0.039	0.012
5/2/2019								0.043	
9/26/2019		<0.01	<0.01	<0.01	<0.01	0.015			
9/27/2019								0.045	0.012
9/30/2019							0.003 (J)		
2/20/2020		<0.01							
2/24/2020			<0.01	<0.01	<0.01	0.015			
2/25/2020								0.039	0.014
2/26/2020							0.0016 (J)		
3/19/2020		<0.01	<0.01						
3/20/2020				<0.01	<0.01		0.0023 (J)	0.039	
3/23/2020						0.016			0.013
5/22/2020	0.0012 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/23/2020	<0.01								
7/28/2020	0.00094 (J)								
9/2/2020	0.0013 (J)								
9/24/2020		<0.01	<0.01	<0.01			0.0036 (J)	0.04	0.011
9/28/2020					<0.01	0.018			
10/1/2020	0.0017 (J)								
11/10/2020	0.0016 (J)								
12/15/2020	0.0019 (J)								
1/20/2021	0.0016 (J)								
2/18/2021	0.0045 (J)	<0.01	<0.01	<0.01	<0.01	0.028			
2/19/2021							0.0013 (J)	0.046	0.011
3/24/2021	<0.01	<0.01	<0.01	<0.01					
3/26/2021					<0.01				0.011 (J)
3/29/2021						0.024	0.0021 (J)	0.045	
7/19/2021								0.044	0.011
8/18/2021	0.0011 (J)	<0.01							
8/19/2021			<0.01	<0.01					
8/20/2021					<0.01	0.026	0.003 (J)		
8/23/2021								0.041	0.0098 (J)
11/1/2021								0.043	0.0092 (J)
2/9/2022	<0.01								
2/11/2022		<0.01	<0.01						
2/14/2022									0.0079 (J)
2/15/2022								0.039	
2/16/2022				<0.01	<0.01	0.025	0.005 (J)		
7/26/2022	0.0015 (J)								
7/27/2022		<0.01	<0.01	<0.01	<0.01	0.028			
7/28/2022							0.0042 (J)		
8/1/2022									0.0071 (J)
8/2/2022								0.04	
1/26/2023	0.0016 (J)	<0.01	<0.01	<0.01					
1/27/2023					<0.01		0.003 (J)		
1/30/2023						0.035			
2/2/2023									0.0078 (J)
2/7/2023								0.032	
8/16/2023	0.0016 (J)								
8/17/2023		<0.01	<0.01	<0.01					
8/18/2023					<0.01	0.054			
8/22/2023								0.036	
8/23/2023							0.0027 (J)		0.006 (J)
2/1/2024	0.0018 (J)	<0.01	<0.01						
2/2/2024				<0.01	<0.01				
2/5/2024						0.056	0.004 (J)		
2/8/2024								0.033	0.0056 (J)
8/16/2024	0.0017 (J)								
8/19/2024		<0.01	<0.01	<0.01	<0.01				
8/20/2024						0.067			
8/21/2024								0.029	
8/22/2024							0.0046 (J)		0.0063 (J)
2/5/2025	<0.01								
2/6/2025		<0.01				0.068			
2/7/2025			<0.01	<0.01	<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/10/2025							0.0049 (J)		
2/11/2025									0.0055 (J)
2/13/2025								0.04	
8/4/2025	<0.01								
8/5/2025		<0.01	<0.01	<0.01					
8/6/2025					<0.01				
8/7/2025						0.062		0.041	
8/11/2025							0.004 (J)		0.0043 (J)

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		0.0064 (J)							
6/9/2016	0.0024 (J)								
8/15/2016		0.0039 (J)							
8/18/2016	0.0034 (J)								
10/10/2016	0.0047 (J)	0.0029 (J)							
12/7/2016	0.0066 (J)								
12/8/2016		<0.01							
1/23/2017			0.0125						
2/7/2017			0.0163						
2/20/2017	0.0026 (J)	0.0024 (J)							
3/27/2017			0.0157						
4/17/2017			0.0178						
4/19/2017	0.002 (J)								
4/20/2017		0.0019 (J)							
5/22/2017			0.0208						
6/1/2017		0.0026 (J)							
6/5/2017	0.0015 (J)		0.0191						
7/11/2017			0.0218						
7/17/2017	0.0013 (J)	0.0024 (J)							
8/23/2017			0.0218						
3/26/2018			0.014						
3/28/2018		<0.01							
3/29/2018	0.0027 (J)								
6/13/2018	<0.01								
6/14/2018		<0.01							
6/15/2018			0.012						
10/17/2018								0.017	
10/18/2018				<0.01					
10/19/2018						0.0021 (J)			
10/22/2018	<0.01	<0.01	0.01		0.0038 (J)		0.033		
11/29/2018							0.03		
1/14/2019								0.013	
3/1/2019	<0.01	<0.01	0.011						
4/2/2019			0.01					0.011	
4/3/2019	0.00095 (J)								
4/4/2019		0.00096 (J)		0.00033 (J)		0.0011 (J)	0.03		
4/5/2019					0.0035 (J)				
5/2/2019									0.11
5/3/2019					0.0048 (J)				
9/24/2019				<0.01		<0.01			
9/26/2019					0.003 (J)		0.033		
9/27/2019			0.0036 (J)					0.013	
9/30/2019	0.00099 (J)	<0.01							
2/25/2020							0.026		
2/26/2020	<0.01	<0.01	0.0023 (J)	<0.01				0.0032 (J)	
2/27/2020					0.0032 (J)	0.001 (J)			0.11
3/23/2020			0.0037 (J)	<0.01				0.0058 (J)	
3/24/2020		<0.01			0.0031 (J)	0.001 (J)			0.12
3/25/2020	<0.01						0.022		
9/2/2020									0.1
9/25/2020	0.00081 (J)		0.0027 (J)		0.003 (J)		0.024		
9/28/2020		<0.01		<0.01		0.00078 (J)		0.0084 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
2/19/2021	<0.01					0.0009 (J)			
2/22/2021				<0.01			0.035		
2/23/2021		<0.01			0.0032 (J)				
3/8/2021			0.0031 (J)					0.0083 (J)	
3/9/2021									0.13
3/25/2021			0.0017 (J)					0.013	
3/26/2021	<0.01	<0.01					0.036		
3/29/2021				<0.01					0.13
3/30/2021					0.0037 (J)	0.0011 (J)			
7/19/2021	<0.01								
7/20/2021			0.0018 (J)						
8/19/2021		<0.01	0.0032 (J)						0.076
8/20/2021				<0.01			0.04		
8/23/2021	<0.01							0.014	
8/24/2021						0.00098 (J)			
8/25/2021					0.0038 (J)				
11/1/2021	<0.01		0.0032 (J)						0.081
2/14/2022			0.0048 (J)					0.012	0.097
2/15/2022	<0.01								
2/16/2022		<0.01		<0.01	0.0038 (J)	0.00094 (J)			
2/17/2022							0.039		
7/27/2022		<0.01							
7/28/2022				<0.01		0.0011 (J)	0.036		
7/29/2022					0.0036 (J)			0.0095 (J)	
8/1/2022			0.0047 (J)						
8/2/2022	0.0027 (J)								0.093
10/21/2022	<0.01								
1/27/2023		<0.01		<0.01					
1/30/2023						0.0011 (J)	0.035		
1/31/2023					0.0039 (J)				
2/1/2023	<0.01		0.0058 (J)					0.0083 (J)	
2/7/2023									0.02
8/17/2023		<0.01							
8/18/2023				<0.01	0.0041 (J)	0.0011 (J)			
8/21/2023			0.0048 (J)					0.01	0.04
8/24/2023							0.034		
8/25/2023	<0.01								
1/30/2024	<0.01							0.012	
2/2/2024				<0.01					
2/5/2024		<0.01				0.001 (J)			
2/6/2024			0.0049 (J)						0.09
2/7/2024							0.037		
2/8/2024					0.0043 (J)				
8/19/2024				<0.01					
8/20/2024		<0.01				0.0011 (J)		0.0087 (J)	
8/21/2024	<0.01				0.0045 (J)				
8/22/2024			0.0038 (J)				0.033		0.097
2/5/2025								0.011	
2/6/2025				<0.01		<0.01			
2/10/2025		<0.01	0.0028 (J)						
2/11/2025	<0.01						0.028		0.098
2/12/2025					0.0042 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/5/2025			0.0048 (J)						
8/6/2025									0.084
8/7/2025		<0.01				<0.01		0.0082 (J)	
8/8/2025				<0.01					
8/11/2025	<0.01						0.025		
8/12/2025					0.004 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.0014 (J)							
3/25/2020	0.0012 (J)							
5/4/2020		0.14						
5/20/2020		0.16						
9/3/2020		0.11						
9/29/2020	0.00069 (J)							
1/28/2021					<0.01	0.0038 (J)		
2/22/2021	<0.01							
2/23/2021					<0.01	0.0039 (J)		
3/8/2021		0.2						
3/29/2021		0.21						
3/30/2021	<0.01				0.0027 (J)	0.0035 (J)		
4/19/2021			0.0067 (J)	0.0043 (J)				
7/20/2021		0.24						
8/18/2021				0.0021 (J)				
8/23/2021		0.21			<0.01	0.0038 (J)		
8/24/2021	<0.01		0.0049 (J)					
2/9/2022				0.0032 (J)				
2/14/2022					<0.01	0.0041 (J)		
2/15/2022		0.15						
2/16/2022	<0.01							
2/17/2022			0.0056 (J)					
4/28/2022								<0.01
7/26/2022				0.0029 (J)				
7/28/2022	<0.01					0.0053 (J)		
8/1/2022		0.16	0.0066 (J)		<0.01			
8/2/2022								<0.01
1/25/2023				0.0067 (J)				
1/31/2023	<0.01				<0.01	0.0087 (J)		
2/1/2023			0.0072 (J)					
2/2/2023								<0.01
2/7/2023		0.13						
8/15/2023				0.0041 (J)				
8/18/2023	<0.01							
8/21/2023					<0.01			
8/22/2023			0.0048 (J)			0.0039 (J)		
8/23/2023		0.18						
1/30/2024		0.12						
1/31/2024				0.0041 (J)				
2/5/2024					<0.01	0.004 (J)		
2/6/2024			0.0056 (J)					
2/7/2024	<0.01							
8/16/2024				0.0018 (J)				
8/20/2024	<0.01				<0.01	0.0058 (J)		
8/21/2024		0.12	0.0044 (J)					
8/22/2024								<0.01
12/3/2024							0.0017 (J)	
2/5/2025				0.0038 (J)				
2/6/2025					<0.01			
2/7/2025						0.0028 (J)		<0.01
2/10/2025	<0.01		0.0047 (J)					
2/11/2025		0.14						

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/12/2025							0.0028 (J)	
7/31/2025				<0.01				
8/6/2025			0.0051 (J)					
8/7/2025		0.17						
8/8/2025	<0.01						0.0027 (J)	
8/11/2025						<0.01		<0.01
8/13/2025					<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	7.69						7.46		
6/7/2016						7.55		7.49	7.56
8/9/2016	7.72								
8/10/2016						7.66			
8/11/2016					6.94		7.51		
8/12/2016									7.47
8/16/2016								7.51	
8/22/2016		7.91							
10/3/2016	7.74								
10/4/2016		7.81				7.57			
10/5/2016							7.37		
10/6/2016					6.96				7.26
10/7/2016								7.58	
11/29/2016	7.74								
12/1/2016		8.06							
12/2/2016						7.67			
12/5/2016							7.42		7.58
12/6/2016					7.16			7.44	
1/10/2017		7.97							
2/13/2017	7.63								
2/14/2017		7.89				7.54			
2/15/2017					7.05		7.32		7.32
2/16/2017								7.21	
4/13/2017	7.57								
4/14/2017		7.86				7.63			
4/17/2017							7.23		
4/18/2017					7.17			7.39	7.31
5/25/2017	7.84	8.11							
5/26/2017						7.76	7.29		
6/2/2017					7.17			7.38	7.36
7/7/2017	7.82								
7/10/2017		8.12				7.7			
7/11/2017							7.34		
7/12/2017								7.37	
7/13/2017									7.24
7/14/2017					7.11				
10/9/2017	7.8								
10/10/2017		8.13				7.72	7.28		7.46
10/11/2017					7.19			7.37	
3/26/2018	7.74	7.98				7.71			
3/27/2018					7.13		7.38	7.51	
3/28/2018									7.22
6/12/2018	7.88	8.09				7.71	7.51		
6/13/2018					6.95				
6/14/2018								7.48	7.35
10/16/2018	7.73	7.64				7.74			
10/17/2018							7.34		7.4
10/18/2018					6.84			7.2	
2/25/2019	7.78					7.75			
2/27/2019		8							
2/28/2019					7.05			7.55	7.28
4/1/2019	7.7	7.85				7.57	7.03		7.23

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
4/2/2019					6.85			7.54	
5/2/2019	7.71								
9/23/2019	7.58	7.98							
9/24/2019					6.92	7.53	7.14		
9/25/2019								7.37	7.1
2/18/2020	7.67								
2/19/2020		8.01				7.68			
2/20/2020							7.37	7.46	
2/21/2020					7.11				
2/24/2020									7.28
3/18/2020	7.65	8.12				7.73			
3/19/2020					7.1		7.35		7.18
3/23/2020								7.51	
5/22/2020			7.15						
5/25/2020				7.45					
6/23/2020			7	7.46					
7/28/2020			6.98	7.79					
9/2/2020			6.95						
9/3/2020				7.35					
9/23/2020	7.32	8.08				7.67			
9/24/2020							7.34	7.54	
9/25/2020					7.07				7.1
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				7.69			
2/17/2021			6.89	7.21			7.43		
2/18/2021					6.89			7.54	
2/19/2021									7
3/23/2021		8							
3/24/2021						7.65	7.26		7.04
3/25/2021			6.94	7.22					
3/26/2021	7.63								
3/30/2021					7.05			7.41	
8/16/2021	7.46	7.6	6.8	7.13					
8/18/2021						7.7	7.49	7.34	7.09
8/19/2021					6.89				
2/9/2022	7.36		6.86	7.16					
2/10/2022		8.09				7.59	7.28		
2/11/2022					7.04722			7.58	7.18
7/26/2022	7.45	7.92	6.75	7.37		7.63	7.33		
7/27/2022									6.85
7/28/2022					6.96			7.63	
1/24/2023	7.32	7.77	6.72	7.32					
1/26/2023					6.63	7.34	7.04		6.68
1/27/2023								7.02	
8/15/2023			6.62						
8/16/2023		7.3		6.94		7.36			6.7
8/17/2023					6.79		6.79	7.18	
8/21/2023	7.18								
1/31/2024			6.69	7.38					

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/1/2024						6.98	7.01	7.23	6.46
2/2/2024					6.89				
2/5/2024		7.62							
2/8/2024	7.01								
8/15/2024			6.93	7.56					
8/16/2024					6.84	7.28			
8/19/2024							6.86		6.95
8/20/2024								7.18	
8/21/2024	7.54	7.95							
2/4/2025			6.95	7.55					
2/5/2025						7.64	7.29		6.92
2/6/2025		8.13			7.03			7.51	
2/10/2025	7.54								
7/31/2025			6.81	7.47		7.57			
8/4/2025							7.22		6.87
8/5/2025	7.43				7.01			7.43	
8/12/2025		7.92							

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		6.99	7.41						
6/8/2016				6.93	6.58	7.45	7.88	7.1	
6/9/2016									7.3
8/11/2016		6.93	7.39						
8/12/2016				6.98	6.59	7.18			
8/18/2016							7.86	7.1	7.27
10/7/2016		6.79	7.33	6.91	6.77				
10/10/2016						6.66	7.96	6.77	7.35
12/6/2016		6.95	7.4	7.06					
12/7/2016					6.63	7.46			7.23
12/8/2016							7.82	6.94	
2/16/2017		6.8	7.21	6.62	6.55				
2/17/2017						7.17	7.56	7.02	
2/20/2017									7.17
4/18/2017		6.9							
4/19/2017			7.06	6.75	6.5	7.01	7.42		7.22
4/20/2017								6.95	
5/30/2017		6.99	7.51						
6/1/2017				6.18	6.27	7.18	7.61		
6/5/2017								7.07	7.31
7/14/2017		6.93	7.39	6.68	6.56				
7/17/2017									7.3
7/18/2017						7.2	7.77		
7/19/2017								6.97	
10/11/2017		6.78	7.3	7	6.56	7.1			7.05
10/12/2017							7.65	6.95	
3/27/2018		6.81	7.28	6.41	6.52				
3/28/2018						7.19	7.69		
3/29/2018								6.96	7.06
6/12/2018		7.01							
6/13/2018						7.24			7.19
6/14/2018			7.22	6.61			7.7	6.92	
6/15/2018					6.5				
10/17/2018			7.37						
10/18/2018		6.7		6.67					
10/19/2018					6.38		7.57		
10/22/2018						6.93		6.81	7.11
2/25/2019		6.74							
2/27/2019			7.38	6.58		7.26			
3/1/2019					6.7			6.9	7.16
4/2/2019		6.75	7.22	6.48					
4/3/2019					6.58	7.14	7.69	6.77	7
5/2/2019								6.92	
9/26/2019		6.7	7.32	6.99	6.55	7.1			
9/27/2019								6.79	7.02
9/30/2019							7.7		
2/20/2020		6.48							
2/24/2020			7.16	6.77	6.54	7.17			
2/25/2020								6.72	7.05
2/26/2020							7.55		
3/19/2020		6.6	7.14						
3/20/2020				6.35	6.56		7.69	6.75	

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
3/23/2020						7.14			6.93
5/22/2020	7.2								
6/23/2020	7.42								
7/28/2020	6.98								
9/2/2020	6.97								
9/24/2020		6.66	7.2	7.05			7.78	6.82	7.09
9/28/2020					6.45	7.26			
10/1/2020	7.08								
11/10/2020	7								
12/15/2020	7.02								
1/20/2021	7.12								
2/18/2021	7.14	6.66	7.33	6.48	6.66	7.35			
2/19/2021							7.64	6.9	7.05
3/24/2021	7.04	6.7	7.27	6.48					
3/26/2021					6.61				6.91
3/29/2021						7.24	7.75	6.71	
7/19/2021								6.67	6.93
8/18/2021	6.86	6.66							
8/19/2021			6.94	6.15					
8/20/2021					6.33	7.07	7.8		
8/23/2021								6.59	6.73
11/1/2021								6.8	6.94
2/9/2022	7.01								
2/11/2022		6.57	7.27						
2/14/2022									7.15
2/15/2022								6.89	
2/16/2022				6.37	6.57	7.31	7.9		
7/26/2022	6.78								
7/27/2022		6.49	7.29	7.02	6.55	7.18			
7/28/2022							7.85		
8/1/2022									7
8/2/2022								6.73	
1/26/2023	6.91	6.56	7.21	6.2					
1/27/2023					6.61		7.76		
1/30/2023						7.18			
2/2/2023									6.8
2/7/2023								6.44	
5/10/2023									6.74
8/16/2023	6.56								
8/17/2023		6.22	6.9	6.23					
8/18/2023					6.43	6.84			
8/22/2023								6.4	
8/23/2023							6.96		6.69
2/1/2024	6.85	6.51	6.87						
2/2/2024				5.77	6.29				
2/5/2024						7.25	6.9		
2/8/2024								6.44	6.56
8/16/2024	6.83								
8/19/2024		6.48	7.26	6.74	6.8				
8/20/2024						7.12			
8/21/2024								6.32	
8/22/2024							7.65		6.7

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/5/2025	6.89								
2/6/2025		6.25				7.16			
2/7/2025			7.11	6.59	6.72				
2/10/2025							7.68		
2/11/2025									6.94
2/13/2025								6.85	
8/4/2025	6.8								
8/5/2025		6.22	7.22	6.8					
8/6/2025					6.7				
8/7/2025						7.16		6.88	
8/11/2025							7.61		7.03

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		7.95							
6/9/2016	6.83								
8/15/2016		7.66							
8/18/2016	6.88								
10/10/2016	6.95	7.26							
12/7/2016	6.91								
12/8/2016		7.55							
1/23/2017			7.39						
2/7/2017			7.35						
2/20/2017	6.71	7.45							
3/27/2017			7.46						
4/17/2017			7.19						
4/19/2017	6.76								
4/20/2017		7.58							
5/22/2017			7.4						
6/1/2017		7.65							
6/5/2017	6.87		7.69						
7/11/2017			7.29						
7/17/2017	6.65	7.73							
8/23/2017			7.37						
10/10/2017			7.34						
10/11/2017	6.6	7.5							
3/26/2018			7.33						
3/28/2018		7.39							
3/29/2018	6.7								
6/13/2018	6.58								
6/14/2018		7.35							
6/15/2018			7.35						
10/17/2018								7.44	
10/18/2018				7.16					
10/19/2018						7.42			
10/22/2018	6.61	7.25	7.35		7.22		7.15		
3/1/2019	6.57	7.5	7.32						
3/4/2019						7.36			
4/2/2019			7.22					6.48	
4/3/2019	6.57								
4/4/2019		7.38		7.19		7.32	7.2		
4/5/2019					7.24				
5/2/2019									7.32
5/3/2019					7.18				
9/24/2019				7.29		7.32			
9/26/2019					7.31		7.09		
9/27/2019			7.2					7.09	
9/30/2019	6.58	7.36							
11/15/2019					7.19				
2/25/2020							7.06		
2/26/2020	6.6	7.3	7.28	7.09				6.33	
2/27/2020					7.14	7.02			6.49
3/23/2020			7.28	6.72				6.56	
3/24/2020		7.36			7.23	7.14			6.66
3/25/2020	6.58						7.03		
9/2/2020									6.49

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
9/25/2020	6.56		7.34		7.05		7.03		
9/28/2020		7.35		7.32		7.25		7.29	
2/19/2021	6.66					7.26			
2/22/2021				7.21			7.16		
2/23/2021		7.44			7.08				
3/8/2021			7.44					7.12	
3/9/2021									6.97
3/25/2021			7.21					7.27	
3/26/2021	6.54	7.36					7.02		
3/29/2021				6.97					7.02
3/30/2021					7.07	7.19			
7/19/2021	6.53								
7/20/2021			7.28						
8/19/2021		7.15	7.2						6.42
8/20/2021				7.32			6.86		
8/23/2021	6.44							7.34	
8/24/2021						7.2			
8/25/2021					6.93				
11/1/2021	6.75		7.3						6.55
2/14/2022			7.29					7.23	6.33
2/15/2022	6.66								
2/16/2022		7.3		7.4	7.138505	7.27			
2/17/2022							7.02		
7/27/2022		7.22							
7/28/2022				7.19		6.96	6.98		
7/29/2022					7.15			7.19	
8/1/2022			7.21						
8/2/2022	6.73								6.17
10/21/2022	6.3								
1/27/2023		7.14		6.8					
1/30/2023						7.15	6.75		
1/31/2023					7.18				
2/1/2023	6.68		7.15					6.64	
2/7/2023									5.99
8/17/2023		6.97							
8/18/2023				6.89	6.84	6.62			
8/21/2023			7					6.89	5.74
8/24/2023							6.8		
8/25/2023	6.36								
1/30/2024	6.26							7.15	
2/2/2024				7					
2/5/2024		7.2				7.18			
2/6/2024			6.75						6.3
2/7/2024							6.37		
2/8/2024					7.04				
8/19/2024				7.34					
8/20/2024		7.01				7.14		6.98	
8/21/2024	6.38				7.22				
8/22/2024			7.44				6.74		7.12
2/5/2025								7.41	
2/6/2025				7.28		7.15			
2/10/2025		7.47	7.37						

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
2/11/2025	6.6						7.1		7.17
2/12/2025					7.28				
8/5/2025			7.34						
8/6/2025									6.85
8/7/2025		7.46				7.13		7.24	
8/8/2025				7.15					
8/11/2025	6.59						6.9		
8/12/2025					7.09				

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	7.34							
2/28/2020	7.31							
3/25/2020	7.27							
5/4/2020		7.27						
5/20/2020		7.2						
9/3/2020		7.21						
9/29/2020	7.15							
1/28/2021					6.81	7.01		
2/22/2021	7.08							
2/23/2021					6.71	6.95		
3/8/2021		7.08						
3/29/2021		7.02						
3/30/2021	7.04				6.64	6.82		
4/19/2021			7.45	7.54				
7/20/2021		6.79						
8/18/2021				7.17				
8/23/2021		7.05			6.61	6.84		
8/24/2021	7.03		7.33					
2/9/2022				7.6				
2/14/2022					7.11	7.57		
2/15/2022		7.28						
2/16/2022	7.24							
2/17/2022			7.57					
4/28/2022								6.568345
7/26/2022				7.55				
7/28/2022	7.03					7.62		
8/1/2022		7.16	7.3		6.96			
8/2/2022								6.57
1/25/2023				7.03				
1/31/2023	6.86				6.87	7.56		
2/1/2023			7.17					
2/2/2023								6.4
2/7/2023		7.03						
8/15/2023				6.8				
8/18/2023	6.91							
8/21/2023					6.79			
8/22/2023			6.94			7.13		
8/23/2023		6.77						
1/30/2024		6.99						
1/31/2024				6.56				
2/5/2024					6.93	7.21		
2/6/2024			7.22					
2/7/2024	7.19							
4/3/2024		6.74						
8/16/2024				7.32				
8/20/2024	7.25				7.24	7.68		
8/21/2024		7.22	7.35					
8/22/2024								6.91
12/3/2024							7.59	
2/5/2025				7.44				
2/6/2025					7.39			
2/7/2025						7.6		6.76

Time Series

Constituent: pH, Field (SU) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/10/2025	7.2		7.43					
2/11/2025		7.2						
2/12/2025							7.53	
7/31/2025				7.39				
8/6/2025			7.39					
8/7/2025		7.05						
8/8/2025	7.17						7.56	
8/11/2025						7.42		6.95
8/13/2025					7.05			

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.005						0.00031 (J)		
6/7/2016						4.8E-05 (J)		<0.005	<0.005
6/8/2016					<0.005				
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016					<0.005		0.001 (J)		
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			
10/5/2016							0.0017 (J)		
10/6/2016					<0.005				<0.005
10/7/2016								<0.005	
11/29/2016	<0.005								
12/1/2016		<0.005							
12/2/2016						<0.005			
12/5/2016							<0.005		<0.005
12/6/2016					<0.005			<0.005	
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017					<0.005		<0.005		<0.005
2/16/2017								<0.005	
4/13/2017	<0.005								
4/14/2017		<0.005				<0.005			
4/17/2017							<0.005		
4/18/2017					<0.005			<0.005	<0.005
5/25/2017	<0.005	<0.005							
5/26/2017						<0.005	0.0014 (J)		
6/2/2017					<0.005			<0.005	<0.005
7/7/2017	<0.005								
7/10/2017		<0.005				<0.005			
7/11/2017							<0.005		
7/12/2017								<0.005	
7/13/2017									<0.005
7/14/2017					<0.005				
3/26/2018	<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					<0.005			
2/27/2019		<0.005							
2/28/2019					<0.005			<0.005	<0.005
4/1/2019	0.00011 (J)	<0.005				0.00015 (J)	0.0004 (J)		0.0004 (J)
4/2/2019					<0.005			<0.005	
9/23/2019	<0.005	<0.005							
9/24/2019					<0.005	<0.005	<0.005		
9/25/2019								<0.005	<0.005
2/18/2020	<0.005								
2/19/2020		<0.005				<0.005			
2/20/2020							<0.005	<0.005	
2/21/2020					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/24/2020									<0.005
3/18/2020	<0.005	<0.005				<0.005			
3/19/2020					<0.005		0.0015 (J)		<0.005
3/23/2020								<0.005	
5/22/2020			0.0013 (J)						
5/25/2020				<0.005					
6/23/2020			<0.005	<0.005					
7/28/2020			<0.005	<0.005					
9/2/2020			<0.005						
9/3/2020				<0.005					
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005	<0.005	
9/25/2020					<0.005				<0.005
10/1/2020			0.0018 (J)	<0.005					
11/10/2020			<0.005	<0.005					
12/15/2020			0.0018 (J)	<0.005					
1/20/2021			<0.005	<0.005					
2/16/2021	<0.005	<0.005				<0.005			
2/17/2021			<0.005	<0.005			<0.005		
2/18/2021					<0.005			<0.005	
2/19/2021									<0.005
3/23/2021		<0.005							
3/24/2021						<0.005	<0.005		<0.005
3/25/2021			0.002 (J)	<0.005					
3/26/2021	<0.005								
3/30/2021					<0.005			<0.005	
8/16/2021	<0.005	<0.005	0.002 (J)	<0.005					
8/18/2021						<0.005	0.0014 (J)	<0.005	<0.005
8/19/2021					<0.005				
2/9/2022	<0.005		0.0021 (J)	<0.005					
2/10/2022		<0.005				<0.005	<0.005		
2/11/2022					<0.005			<0.005	<0.005
7/26/2022	<0.005	<0.005	0.0021 (J)	<0.005		<0.005	0.0015 (J)		
7/27/2022									<0.005
7/28/2022					<0.005			<0.005	
1/24/2023	<0.005	<0.005	0.0015 (J)	<0.005					
1/26/2023					<0.005	<0.005	0.0015 (J)		<0.005
1/27/2023								<0.005	
8/15/2023			0.0015 (J)						
8/16/2023		<0.005		<0.005		<0.005			<0.005
8/17/2023					<0.005		0.0015 (J)	<0.005	
8/21/2023	<0.005								
1/31/2024			0.0015 (J)	<0.005					
2/1/2024						<0.005	0.0011 (J)	<0.005	<0.005
2/2/2024					<0.005				
2/5/2024		<0.005							
2/8/2024	<0.005								
8/15/2024			0.0017 (J)	<0.005					
8/16/2024					<0.005	<0.005			
8/19/2024							0.0012 (J)		<0.005
8/20/2024								<0.005	
8/21/2024	<0.005	<0.005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/4/2025			0.0019 (J)	<0.005					
2/5/2025						<0.005	0.0016 (J)		<0.005
2/6/2025		<0.005			<0.005			<0.005	
2/10/2025	<0.005								
7/31/2025			0.0022 (J)	<0.005		<0.005			
8/4/2025							<0.005		<0.005
8/5/2025	<0.005				<0.005			<0.005	
8/12/2025		<0.005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		<0.005	0.0004 (J)						
6/8/2016				<0.005	0.00043 (J)	<0.005	<0.005	<0.005	
6/9/2016									<0.005
8/11/2016		<0.005	<0.005						
8/12/2016				<0.005	<0.005	<0.005			
8/18/2016							<0.005	<0.005	<0.005
10/7/2016		<0.005	<0.005	<0.005	<0.005				
10/10/2016						<0.005	0.001 (J)	<0.005	<0.005
12/6/2016		<0.005	<0.005	<0.005					
12/7/2016					<0.005	0.0037 (J)			0.0176
12/8/2016							<0.005	0.012	
2/16/2017		0.0012 (J)	<0.005	<0.005	<0.005				
2/17/2017						<0.005	<0.005	<0.005	
2/20/2017									<0.005
4/18/2017		<0.005							
4/19/2017			<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
4/20/2017								<0.005	
5/30/2017		<0.005	<0.005						
6/1/2017				<0.005	<0.005	<0.005	<0.005		
6/5/2017								0.0018 (J)	<0.005
7/14/2017		<0.005	<0.005	<0.005	<0.005				
7/17/2017									<0.005
7/18/2017						<0.005	<0.005		
7/19/2017								<0.005	
3/27/2018		<0.005	<0.005	<0.005	<0.005				
3/28/2018						<0.005	<0.005		
3/29/2018								<0.005	<0.005
2/25/2019		<0.005							
2/27/2019			<0.005	<0.005		<0.005			
3/1/2019					<0.005			<0.005	<0.005
4/2/2019		0.0006 (J)	0.00077 (J)	0.001 (J)					
4/3/2019					0.00058 (J)	<0.005	0.00012 (J)	<0.005	<0.005
9/26/2019		<0.005	<0.005	<0.005	<0.005	<0.005			
9/27/2019								<0.005	<0.005
9/30/2019							<0.005		
2/20/2020		0.0026 (J)							
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		
3/19/2020		0.0019 (J)	0.0022 (J)						
3/20/2020				<0.005	<0.005		<0.005	<0.005	
3/23/2020						<0.005			<0.005
5/22/2020	0.0014 (J)								
6/23/2020	<0.005								
7/28/2020	<0.005								
9/2/2020	<0.005								
9/24/2020		0.003 (J)	<0.005	<0.005			<0.005	0.0026 (J)	<0.005
9/28/2020					<0.005	<0.005			
10/1/2020	<0.005								
11/10/2020	<0.005								
12/15/2020	<0.005								
1/20/2021	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/18/2021	<0.005	0.0017 (J)	<0.005	<0.005	<0.005	<0.005			
2/19/2021							<0.005	<0.005	<0.005
3/24/2021	<0.005	0.0017 (J)	<0.005	<0.005					
3/26/2021					<0.005				<0.005
3/29/2021						<0.005	<0.005	<0.005	
8/18/2021	<0.005	<0.005							
8/19/2021			<0.005	<0.005					
8/20/2021					<0.005	<0.005	<0.005		
8/23/2021								<0.005	<0.005
2/9/2022	<0.005								
2/11/2022		<0.005	<0.005						
2/14/2022									<0.005
2/15/2022								<0.005	
2/16/2022				<0.005	<0.005	<0.005	<0.005		
7/26/2022	<0.005								
7/27/2022		0.0018 (J)	<0.005	<0.005	<0.005	<0.005			
7/28/2022							<0.005		
8/1/2022									<0.005
8/2/2022								<0.005	
1/26/2023	<0.005	0.0024 (J)	<0.005	0.0022 (J)					
1/27/2023					<0.005		<0.005		
1/30/2023						<0.005			
2/2/2023									0.0019 (J)
2/7/2023								0.0016 (J)	
8/16/2023	<0.005								
8/17/2023		0.0015 (J)	<0.005	<0.005					
8/18/2023					<0.005	<0.005			
8/22/2023								0.0017 (J)	
8/23/2023							<0.005		<0.005
2/1/2024	<0.005	0.0034 (J)	<0.005						
2/2/2024				0.0024 (J)	0.0013 (J)				
2/5/2024						<0.005	<0.005		
2/8/2024								0.0012 (J)	<0.005
8/16/2024	<0.005								
8/19/2024		0.0013 (J)	<0.005	0.0013 (J)	<0.005				
8/20/2024						<0.005			
8/21/2024								<0.005	
8/22/2024							<0.005		<0.005
2/5/2025	<0.005								
2/6/2025		0.0036 (J)				0.002 (J)			
2/7/2025			<0.005	<0.005	<0.005				
2/10/2025							<0.005		
2/11/2025									0.0015 (J)
2/13/2025								0.002 (J)	
8/4/2025	<0.005								
8/5/2025		<0.005	<0.005	<0.005					
8/6/2025					<0.005				
8/7/2025						0.0022 (J)		0.0025 (J)	
8/11/2025							<0.005		0.0034 (JM1)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.005							
6/9/2016	0.00099 (J)								
8/15/2016		<0.005							
8/18/2016	0.0023 (J)								
10/10/2016	0.004 (J)	<0.005							
12/7/2016	0.0302								
12/8/2016		<0.005							
1/23/2017			0.015						
2/7/2017			0.0114						
2/20/2017	0.0044 (J)	<0.005							
3/27/2017			0.0092 (J)						
4/17/2017			0.0082 (J)						
4/19/2017	0.0046 (J)								
4/20/2017		<0.005							
5/22/2017			0.0094 (J)						
6/1/2017		<0.005							
6/5/2017	0.0033 (J)		0.0118						
7/11/2017			0.012						
7/17/2017	0.0052 (J)	<0.005							
8/23/2017			0.0097 (J)						
3/26/2018			<0.005						
3/28/2018		<0.005							
3/29/2018	<0.005								
3/1/2019	<0.005	<0.005	0.01 (J)						
4/2/2019			0.0092 (J)					0.014	
4/3/2019	0.0038 (J)								
4/4/2019		<0.005		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			0.0033 (J)					0.0071 (J)	
9/30/2019	0.0065 (J)	<0.005							
2/25/2020							<0.005		
2/26/2020	0.0077 (J)	<0.005	<0.005	<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			<0.005
3/25/2020	0.0067 (J)						<0.005		
9/2/2020									0.003 (J)
9/25/2020	0.01		0.0035 (J)		<0.005		<0.005		
9/28/2020		<0.005		<0.005		<0.005		0.0076 (J)	
2/19/2021	0.0065					<0.005			
2/22/2021				<0.005			<0.005		
2/23/2021		<0.005			<0.005				
3/8/2021			0.0048 (J)					0.011	
3/9/2021									0.005
3/25/2021			0.0021 (J)					0.012	
3/26/2021	<0.005	<0.005					<0.005		
3/29/2021				<0.005					<0.005
3/30/2021					<0.005	<0.005			
8/19/2021		<0.005	0.0052						<0.005
8/20/2021				<0.005			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/23/2021	0.0045 (J)							0.0086	
8/24/2021						<0.005			
8/25/2021					<0.005				
2/14/2022			0.0084					0.011	<0.005
2/15/2022	0.0055								
2/16/2022		<0.005		<0.005	<0.005	<0.005			
2/17/2022							<0.005		
7/27/2022		<0.005							
7/28/2022				<0.005		<0.005	<0.005		
7/29/2022					<0.005			0.011	
8/1/2022			0.0074						
8/2/2022	0.0027 (J)								<0.005
10/21/2022	0.0045 (J)								
1/27/2023		<0.005		<0.005					
1/30/2023						<0.005	<0.005		
1/31/2023					<0.005				
2/1/2023	0.006		0.01					0.0098	
2/7/2023									<0.005
8/17/2023		<0.005							
8/18/2023				<0.005	<0.005	<0.005			
8/21/2023			0.0065					0.014	0.0019 (J)
8/24/2023							<0.005		
8/25/2023	0.0049 (J)								
1/30/2024	0.0054							0.013	
2/2/2024				<0.005					
2/5/2024		<0.005				<0.005			
2/6/2024			0.0093						0.0039 (J)
2/7/2024							<0.005		
2/8/2024					<0.005				
8/19/2024				<0.005					
8/20/2024		<0.005				<0.005		0.012	
8/21/2024	0.004 (J)				<0.005				
8/22/2024			0.0032 (J)				<0.005		0.0044 (J)
2/5/2025								0.016	
2/6/2025				<0.005		<0.005			
2/10/2025		<0.005	0.0024 (J)						
2/11/2025	0.007						0.0034 (J)		0.0045 (J)
2/12/2025					<0.005				
8/5/2025			0.0053						
8/6/2025									0.011
8/7/2025		<0.005				<0.005		0.012	
8/8/2025				<0.005					
8/11/2025	0.0083						0.0078		
8/12/2025					0.0013 (J)				

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	0.0018 (J)							
3/25/2020	0.0039 (J)							
9/3/2020		0.0028 (J)						
9/29/2020	0.005 (J)							
1/28/2021					0.014	<0.005		
2/22/2021	0.0094							
2/23/2021					0.013	0.0016 (J)		
3/8/2021		<0.005						
3/29/2021		<0.005						
3/30/2021	0.0098				0.01 (J)	<0.005		
4/19/2021			<0.005	<0.005				
8/18/2021				<0.005				
8/23/2021		<0.005			0.013	<0.005		
8/24/2021	0.0096		<0.005					
2/9/2022				<0.005				
2/14/2022					0.0042 (J)	0.0018 (J)		
2/15/2022		<0.005						
2/16/2022	0.0084							
2/17/2022			<0.005					
4/28/2022								<0.005
7/26/2022				<0.005				
7/28/2022	0.007					<0.005		
8/1/2022		<0.005	<0.005		0.0036 (J)			
8/2/2022								<0.005
1/25/2023				<0.005				
1/31/2023	0.0097				0.0058	<0.005		
2/1/2023			<0.005					
2/2/2023								<0.005
2/7/2023		<0.005						
8/15/2023				<0.005				
8/18/2023	0.0082							
8/21/2023					0.0097			
8/22/2023			<0.005			0.0039 (J)		
8/23/2023		<0.005						
1/30/2024		0.0055						
1/31/2024				<0.005				
2/5/2024					0.004 (J)	0.0014 (J)		
2/6/2024			<0.005					
2/7/2024	0.0091							
8/16/2024				<0.005				
8/20/2024	0.0066				0.0049 (J)	0.0022 (J)		
8/21/2024		0.001 (J)	<0.005					
8/22/2024								<0.005
12/3/2024							<0.005	
2/5/2025				<0.005				
2/6/2025					0.0056			
2/7/2025						0.0043 (J)		<0.005
2/10/2025	0.0067		0.0015 (J)					
2/11/2025		0.0019 (J)						
2/12/2025							<0.005	
7/31/2025				<0.005				
8/6/2025			0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		0.003 (J)						
8/8/2025	0.0066						<0.005	
8/11/2025						0.0031 (J)		<0.005
8/13/2025					0.0062			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	8						100		
6/7/2016						26		99	190
6/8/2016					410				
8/9/2016	6.5								
8/10/2016						29			
8/11/2016					460		110		
8/12/2016									180
8/16/2016								110	
8/22/2016		4.2							
10/3/2016	5.7								
10/4/2016		6.4				40			
10/5/2016							120		
10/6/2016					440				200
10/7/2016								110	
11/29/2016	5.2								
12/1/2016		7.8							
12/2/2016						37			
12/5/2016							130		130
12/6/2016					470			110	
1/10/2017		4.5							
2/13/2017	6.4								
2/14/2017		5.1				45			
2/15/2017					510		120		190
2/16/2017								110	
4/13/2017	4.9								
4/14/2017		4.4				27			
4/17/2017							110		
4/18/2017					450			110	220
5/25/2017	5.7	4.2							
5/26/2017						34	110		
6/2/2017					470			110	250
7/7/2017	6.3								
7/10/2017		3.5				28			
7/11/2017							110		
7/12/2017								110	
7/13/2017									250
7/14/2017					230				
10/9/2017	6.1								
10/10/2017		3.3				30	110		210
10/11/2017					480			110	
6/12/2018	8.3	6.8				35.2	80.6		
6/13/2018					419				
6/14/2018								110	275
10/16/2018	8.9	7.6				53			
10/17/2018							117		336
10/18/2018					438			122	
4/1/2019	10.8	5.2				30.5	81.4		239
4/2/2019					334			105	
5/2/2019	11.2								
9/23/2019	9	6.6							
9/24/2019					266	36.5	89		
9/25/2019								93.7	205

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/19/2020		1.6							
3/18/2020	11.7	3.7				34.3			
3/19/2020					287		74.3		255
3/23/2020								95.6	
5/22/2020			53.5						
5/25/2020				43.3					
6/23/2020			64.5	59.7					
7/28/2020			65.7	15.8					
9/2/2020			70.2						
9/3/2020				24.4					
9/23/2020	12.9	5.3				33.5			
9/24/2020							84.8	98.6	
9/25/2020					298				320
10/1/2020			70.2	26.6					
11/10/2020			68.9	24.1					
12/15/2020			78	28.3					
1/20/2021			73.4	26.1					
3/23/2021		4.6							
3/24/2021						24.2	70.5		301
3/25/2021			74.5	22					
3/26/2021	12.8								
3/30/2021					290			104	
8/16/2021	12.7	4.8	74.5	6.7					
8/18/2021						34	71.7	97.9	326
8/19/2021					237				
2/9/2022	13.5		72.7	19.1					
2/10/2022		1.9				27.2	70		
2/11/2022					225			86.1	343
7/26/2022	13.2	3.6	74.9	20.8		31.6	88		
7/27/2022									419
7/28/2022					268			105	
1/24/2023	12.5	1.4	67.2	22.4					
1/26/2023					253	24.3	63.6		463
1/27/2023								97.3	
8/15/2023			65.7						
8/16/2023		3.8		23		21			398
8/17/2023					207		87.3	95	
8/21/2023	14.4								
1/31/2024			69.1	54.2					
2/1/2024						21.4	78	96.9	495
2/2/2024					181				
2/5/2024		1.3							
2/8/2024	13.8								
8/15/2024			66.1	45.3					
8/16/2024					165	15.1			
8/19/2024							87		419
8/20/2024								92.6	
8/21/2024	14.3	3.3							
2/4/2025			65.4	44					
2/5/2025						11.6	80		456
2/6/2025		2.2			147			89.8	
2/10/2025	14.7								

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
7/31/2025			64.8	59.2		16.2			
8/4/2025							80.3 (M1)		420
8/5/2025	13.4				152			95.9	
8/12/2025		2.8							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		240	120						
6/8/2016				120	110	530	75	660	
6/9/2016									510
8/11/2016		250	110						
8/12/2016				81	110	530			
8/18/2016							66	730	480
10/7/2016		260	150	140	150				
10/10/2016						600	57	650	460
12/6/2016		280	130	160					
12/7/2016					97	580			490
12/8/2016							68	660	
2/16/2017		380	120	92	130				
2/17/2017						710	57	740	
2/20/2017									520
4/18/2017		290							
4/19/2017			110	80	140	610	52		490
4/20/2017								990	
5/30/2017		260	110						
6/1/2017				73	70	550	55		
6/5/2017								700	480
7/14/2017		260	110	78	110				
7/17/2017									510
7/18/2017						590	50		
7/19/2017								720	
10/11/2017		270	120	83	93	550			510
10/12/2017							48	780	
6/12/2018		246							
6/13/2018						541			586
6/14/2018			106	74.6			48.1	738	
6/15/2018					78.3				
10/17/2018			118						
10/18/2018		276		89.3					
10/19/2018					114		57.2		
10/22/2018						604		846	590
4/2/2019		272	86.9	70.1					
4/3/2019					90.6	593	61.9	720	603
5/2/2019								827	
9/26/2019		288	219	114	130	498			
9/27/2019								905	721
9/30/2019							54.5		
2/25/2020								472	
3/19/2020		311	90.5						
3/20/2020				75.9	76.9		57.8	610	
3/23/2020						494			612
5/22/2020	92.6								
6/23/2020	88.7								
7/28/2020	300								
9/2/2020	360								
9/24/2020		338	156	69.9			57.8	864	676
9/28/2020					70.3	578			
10/1/2020	382								
11/10/2020	354								

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
12/15/2020	406								
1/20/2021	299								
3/24/2021	115	317	93.7	67.3					
3/26/2021					66.8				679
3/29/2021						504	55.2	772	
7/19/2021								506	335
8/18/2021	375	297							
8/19/2021			91.7	56.4					
8/20/2021					47.5	550	54.6		
8/23/2021								848	628
11/1/2021								690	410
2/9/2022	130								
2/11/2022		358	88.7						
2/14/2022									622
2/15/2022								789	
2/16/2022				61.5	79.6	555	48.7		
7/26/2022	486								
7/27/2022		496	118	55.5	82.7	617			
7/28/2022							55.3		
8/1/2022									528
8/2/2022								762	
1/26/2023	213	490	110	58.3					
1/27/2023					38.2		55.3		
1/30/2023						622			
2/2/2023									514
2/7/2023								707	
8/16/2023	486								
8/17/2023		453	116	60.8					
8/18/2023					66	612			
8/22/2023								748	
8/23/2023							46.4		320
2/1/2024	483	551	132						
2/2/2024				57.9	48.2				
2/5/2024						649	50.7		
2/8/2024								549	368
8/16/2024	492								
8/19/2024		519	138	63	<1				
8/20/2024						623			
8/21/2024								537	
8/22/2024							56.5		426
2/5/2025	440								
2/6/2025		455				573			
2/7/2025			119	62	91				
2/10/2025							51.6		
2/11/2025									218
2/13/2025								356	
8/4/2025	434								
8/5/2025		400	132 (M1)	56.9 (M1)					
8/6/2025					111				
8/7/2025						585		305	
8/11/2025							52.2 (R1M1)		214

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		10							
6/9/2016	730								
8/15/2016		10							
8/18/2016	580								
10/10/2016	520	10							
12/7/2016	370								
12/8/2016		13							
1/23/2017			410						
2/7/2017			410						
2/20/2017	610	24							
3/27/2017			410						
4/17/2017			400						
4/19/2017	600								
4/20/2017		26							
5/22/2017			460						
6/1/2017		29							
6/5/2017	700		440						
7/11/2017			420						
7/17/2017	670	25							
8/23/2017			390						
10/10/2017			420						
10/11/2017	510	12							
6/13/2018	689								
6/14/2018		10							
6/15/2018			174						
10/17/2018								277	
10/18/2018				199					
10/19/2018						106			
10/22/2018	723	8.1	204		350		626		
4/2/2019			153					192	
4/3/2019	648								
4/4/2019		11.4		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			51.7					191	
9/30/2019	758	10.7							
11/15/2019					413				
2/25/2020							424		
2/26/2020			42.6					90.4	
2/27/2020									228
3/23/2020			55.7	99.6				98.7	
3/24/2020		18.8			232	95.5			275
3/25/2020	603						272		
9/2/2020									188
9/25/2020	613		53.6		393		394		
9/28/2020		8.8		115		115		135	
3/25/2021			28.1					137	
3/26/2021	515	21.3					647		
3/29/2021				35.9					136
3/30/2021					368	127			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
7/19/2021	194								
7/20/2021			37.2						
8/19/2021		10.2	58.2						90.7
8/20/2021				121			452		
8/23/2021	527							141	
8/24/2021						132			
8/25/2021					285				
11/1/2021	225		65.5						110
2/14/2022			74.4					122	139
2/15/2022	473								
2/16/2022		13.7		118	265	129			
2/17/2022							551		
7/27/2022		12.6							
7/28/2022				131		158	600		
7/29/2022					298			138	
8/1/2022			63.3						
8/2/2022	52.8								140
10/21/2022	389								
1/27/2023		24.1		126					
1/30/2023						163	687		
1/31/2023					300				
2/1/2023	395		75.5					118	
2/7/2023									42.6
8/17/2023		20.2							
8/18/2023				119	189	143			
8/21/2023			54					117	96.3
8/24/2023							630		
8/25/2023	337								
1/30/2024	324							126	
2/2/2024				120					
2/5/2024		34.6				154			
2/6/2024			64.2						195
2/7/2024							623		
2/8/2024					189				
8/19/2024				111					
8/20/2024		42				157		106	
8/21/2024	242				161				
8/22/2024			32.9				556		173
2/5/2025								98.4	
2/6/2025				110		146			
2/10/2025		42.4	29.4						
2/11/2025	229						298		159
2/12/2025					134				
8/5/2025			48.7						
8/6/2025									143
8/7/2025		40.7				157		96.6	
8/8/2025				114					
8/11/2025	267						472		
8/12/2025					157 (M1)				

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	60.4							
3/25/2020	112							
5/4/2020		333						
5/20/2020		342						
9/3/2020		358						
9/29/2020	130							
1/28/2021					562	308		
2/23/2021					536	320		
3/29/2021		301						
3/30/2021	144				636	347		
4/19/2021			223	26.7				
7/20/2021		262						
8/18/2021				23.3				
8/23/2021		328			545	277		
8/24/2021	138		235					
2/9/2022				79.4				
2/14/2022					114	64.1		
2/15/2022		323						
2/16/2022	125							
2/17/2022			209					
4/28/2022								138
7/26/2022				112				
7/28/2022	132					50.1		
8/1/2022		316	204		94.4			
8/2/2022								219
1/25/2023				268				
1/31/2023	128				135	77.2		
2/1/2023			232					
2/2/2023								163
2/7/2023		167						
8/15/2023				218				
8/18/2023	110							
8/21/2023					95			
8/22/2023			214			92.8		
8/23/2023		283						
1/30/2024		288						
1/31/2024				271				
2/5/2024					60.5	52		
2/6/2024			214					
2/7/2024	106							
8/16/2024				97				
8/20/2024	92.4				58.9	45.6		
8/21/2024		268	200					
8/22/2024								414
12/3/2024							573	
2/5/2025				213				
2/6/2025					58.8			
2/7/2025						64		228
2/10/2025	46.2		183					
2/11/2025		238						
2/12/2025							453	
7/31/2025				102				

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/6/2025			205 (M1)					
8/7/2025		221						
8/8/2025	88.9						457	
8/11/2025						74.5		249
8/13/2025					99.7			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	170						320		
6/7/2016						200		300	510
6/8/2016					800				
8/9/2016	183								
8/10/2016						228			
8/11/2016					852		361		
8/12/2016									476
8/16/2016								286	
8/22/2016		121							
10/3/2016	201								
10/4/2016		95				186			
10/5/2016							376		
10/6/2016					906				524
10/7/2016								513	
11/29/2016	109								
12/1/2016		121							
12/2/2016						183			
12/5/2016							426		489
12/6/2016					976			421	
1/10/2017		115							
2/13/2017	214								
2/14/2017		345 (O)				367			
2/15/2017					968		452		562
2/16/2017								433	
4/13/2017	211								
4/14/2017		119				184			
4/17/2017							388		
4/18/2017					944			349	955
5/25/2017	173	109							
5/26/2017						179	423		
6/2/2017					910			313	602
7/7/2017	165								
7/10/2017		140				211			
7/11/2017							387		
7/12/2017								255	
7/13/2017									617
7/14/2017					887				
10/9/2017	150								
10/10/2017		93				178	376		534
10/11/2017					887			343	
6/12/2018	187	139				217	348		
6/13/2018					873				
6/14/2018								362	684
10/16/2018	192	138				247			
10/17/2018							377		739
10/18/2018					876			355	
4/1/2019	226	114				191	326		191
4/2/2019					728			355	
9/23/2019	186	122							
9/24/2019					733	193	325		
9/25/2019								388	690
2/19/2020		113							

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
3/18/2020	191	108				193			
3/19/2020					733		306		662
3/23/2020								355	
5/22/2020			357						
5/25/2020				249					
6/23/2020			383	280					
7/28/2020			410	264					
9/2/2020			389						
9/3/2020				303					
9/23/2020	237	114				187			
9/24/2020							322	356	
9/25/2020					726				740
10/1/2020			384	301					
11/10/2020			405	305					
12/15/2020			385	289					
1/20/2021			377	285					
3/23/2021		108							
3/24/2021						198	294		752
3/25/2021			415	331					
3/26/2021	204								
3/30/2021					570			321	
8/16/2021	217	101	399	269					
8/18/2021						220	307	366	798
8/19/2021					666				
2/9/2022	229		403	290					
2/10/2022		96				259	304		
2/11/2022					618			360	816
7/26/2022	215	114	402	246		196	349		
7/27/2022									952
7/28/2022					732			338	
1/24/2023	223	129	391	280					
1/26/2023					657	190	301		995
1/27/2023								380	
8/15/2023			399						
8/16/2023		101		267		189			1050
8/17/2023					702		393	398	
8/21/2023	243								
1/31/2024			411	324					
2/1/2024						202	339	391	1150
2/2/2024					598				
2/5/2024		111							
2/8/2024	221								
8/15/2024			388	299					
8/16/2024					578	173			
8/19/2024							463		1090
8/20/2024								409	
8/21/2024	219	105							
2/4/2025			406	324					
2/5/2025						173	344		1130
2/6/2025		119			562			402	
2/10/2025	234								
7/31/2025			382	336		199			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
8/4/2025							344		1100
8/5/2025	242				571			438	
8/12/2025		115							

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		580	360						
6/8/2016				390	340	1000	260	2000	
6/9/2016									1900
8/11/2016		548	340						
8/12/2016				310	326	1100			
8/18/2016							239	1960	1600
10/7/2016		617	533	823	621				
10/10/2016						1110	239	2130	1640
12/6/2016		730	413	560					
12/7/2016					269	1100			1770
12/8/2016							255	2200	
2/16/2017		685	434	364	488				
2/17/2017						1160	236	2200	
2/20/2017									1720
4/18/2017		621							
4/19/2017			415	337	396	1180	247		1800
4/20/2017								2330	
5/30/2017		601	391						
6/1/2017				215	266	1130	185		
6/5/2017								2530	2050
7/14/2017		569	391	281	325				
7/17/2017									1810
7/18/2017						1160	219		
7/19/2017								2650	
10/11/2017		588	403	334	287	1050			1780
10/12/2017							245	2500	
6/12/2018		593							
6/13/2018						1060			2020
6/14/2018			395	290			231	2380	
6/15/2018					280				
10/17/2018			446						
10/18/2018		578		325					
10/19/2018					321		236		
10/22/2018						1150		2490	1880
4/2/2019		604	321	258					
4/3/2019					259	1090	244	2180	1990
9/26/2019		688	550	470	428	1210			
9/27/2019								3260	2540
9/30/2019							256		
2/25/2020								1930	
3/19/2020		631	324						
3/20/2020				255	243		253	2200	
3/23/2020						1220			2800
5/22/2020	454								
6/23/2020	423								
7/28/2020	768								
9/2/2020	814								
9/24/2020		732	481	310			243	3490	3160
9/28/2020					243	1060			
10/1/2020	824								
11/10/2020	800								
12/15/2020	876								

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
1/20/2021	786								
3/24/2021	445	610	374	240					
3/26/2021					205				2690
3/29/2021						1100	198	2430	
8/18/2021	850	658							
8/19/2021			384	252					
8/20/2021					204	1300	213		
8/23/2021								3660	3140
2/9/2022	468								
2/11/2022		782	392						
2/14/2022									3350
2/15/2022								3340	
2/16/2022				253	288	1180	235		
7/26/2022	966								
7/27/2022		944	438	307	338	1370			
7/28/2022							259		
8/1/2022									2780
8/2/2022								3440	
1/26/2023	554	895	396	197					
1/27/2023					200		342		
1/30/2023						1280			
2/2/2023									2680
2/7/2023								2490	
8/16/2023	1090								
8/17/2023		977	438	303					
8/18/2023					318	1490			
8/22/2023								3940	
8/23/2023							268		1620
2/1/2024	1040	1090	445						
2/2/2024				220	237				
2/5/2024						1490	267		
2/8/2024								2560	1790
8/16/2024	1070								
8/19/2024		1110	524	335	401				
8/20/2024						1620			
8/21/2024								2950	
8/22/2024							249		2340
2/5/2025	984								
2/6/2025		1050				1430			
2/7/2025			442	264	345				
2/10/2025							243		
2/11/2025									1300
2/13/2025								1670	
8/4/2025	1040								
8/5/2025		865	504	345					
8/6/2025					424				
8/7/2025						1420 (2G)		1370	
8/11/2025							253		1450

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		170							
6/9/2016	5200								
8/15/2016		161							
8/18/2016	4200								
10/10/2016	3850	196							
12/7/2016	2720								
12/8/2016		209							
1/23/2017			2060						
2/7/2017			1860						
2/20/2017	4200	251							
3/27/2017			2440						
4/17/2017			2180						
4/19/2017	4680								
4/20/2017		324							
5/22/2017			2470						
6/1/2017		177							
6/5/2017	5660		2780						
7/11/2017			2580						
7/17/2017	5080	238							
8/23/2017			2400						
10/10/2017			1990						
10/11/2017	4920	199							
6/13/2018	4180								
6/14/2018		225							
6/15/2018			1190						
10/17/2018								1200	
10/18/2018				501					
10/19/2018						450			
10/22/2018	4300	218	1070		1140		1810		
4/2/2019			773					976	
4/3/2019	13 (J)								
4/4/2019		196		350		419	1930		
4/5/2019					1160				
9/24/2019				419		442			
9/26/2019					1410		2240		
9/27/2019			629					1030	
9/30/2019	4430	220							
11/15/2019					1540				
2/25/2020							1820		
2/26/2020			523					650	
2/27/2020									1230
3/23/2020			613	395				714	
3/24/2020		213			995	451			1610
3/25/2020	4140						1240		
9/2/2020									982
9/25/2020	5020		482		1690		880		
9/28/2020		223		405		466		938	
3/25/2021			358					902	
3/26/2021	3070	215					2220		
3/29/2021				352					702
3/30/2021					1030	346			
8/19/2021		235	682						808

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
8/20/2021				419			2040		
8/23/2021	4300							1140	
8/24/2021						504			
8/25/2021					1340				
2/14/2022			618					848	926
2/15/2022	3890								
2/16/2022		235		428	1320	474			
2/17/2022							2850		
7/27/2022		231							
7/28/2022				473		540	2930		
7/29/2022					1260			846	
8/1/2022			582						
8/2/2022	334								1060
10/21/2022	1610								
1/27/2023		310		433					
1/30/2023						593	2720		
1/31/2023					1240				
2/1/2023	2550		745					948	
2/7/2023									348
8/17/2023		250							
8/18/2023				454	1080	560			
8/21/2023			611					975	774
8/24/2023							2730		
8/25/2023	2120								
1/30/2024	2180							908	
2/2/2024				443					
2/5/2024		279				578			
2/6/2024			511						1150
2/7/2024							2960		
2/8/2024					826				
8/19/2024				441					
8/20/2024		332				588		752	
8/21/2024	1440				784				
8/22/2024			344				3300		1160
2/5/2025								686	
2/6/2025				448		591			
2/10/2025		286	282						
2/11/2025	1500						2210		1010
2/12/2025					700				
8/5/2025			528						
8/6/2025									964
8/7/2025		284				580		683	
8/8/2025				472					
8/11/2025	1680						2770		
8/12/2025					1680				

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
12/16/2019	753							
3/25/2020	783							
5/4/2020		1680						
5/20/2020		1960						
9/3/2020		1980						
9/29/2020	908							
1/28/2021					2950	1460		
2/23/2021					2900	1590		
3/29/2021		700						
3/30/2021	582				1980	1170		
4/19/2021			970	270				
8/18/2021				264				
8/23/2021		2890			3370	1960		
8/24/2021	604		1530					
2/9/2022				377				
2/14/2022					632	321		
2/15/2022		1620						
2/16/2022	776							
2/17/2022			1620					
4/28/2022								450
7/26/2022				409				
7/28/2022	810					236		
8/1/2022		1850	1330		502			
8/2/2022								654
1/25/2023				659				
1/31/2023	671				664	286		
2/1/2023			1820					
2/2/2023								420
2/7/2023		992						
8/15/2023				623				
8/18/2023	672							
8/21/2023					704			
8/22/2023			1600			468		
8/23/2023		1600						
1/30/2024		1840						
1/31/2024				715				
2/5/2024					335	268		
2/6/2024			1300					
2/7/2024	579							
8/16/2024				413				
8/20/2024	528				367	227		
8/21/2024		1590	1410					
8/22/2024								964
12/3/2024							1150	
2/5/2025				662				
2/6/2025					321			
2/7/2025						282		666
2/10/2025	495		1140					
2/11/2025		1240						
2/12/2025							1070	
7/31/2025				422				
8/6/2025			1280					

Time Series

Constituent: TDS (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
8/7/2025		1100						
8/8/2025	506 (1G)						1020	
8/11/2025						321		872
8/13/2025					432			

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
6/6/2016	<0.001						<0.001		
6/7/2016						<0.0005		<0.0005	<0.0005
6/8/2016					<0.001				
8/9/2016	0.0001 (J)								
8/10/2016						<0.0005			
8/11/2016					<0.001		<0.001		
8/12/2016									9E-05 (J)
8/16/2016								<0.0005	
8/22/2016		<0.0005							
10/3/2016	<0.001								
10/4/2016		<0.0005				<0.0005			
10/5/2016							<0.001		
10/6/2016					<0.001				<0.0005
10/7/2016								<0.0005	
11/29/2016	<0.001								
12/1/2016		<0.0005							
12/2/2016						<0.0005			
12/5/2016							<0.001		<0.0005
12/6/2016					<0.001			<0.0005	
1/10/2017		<0.0005							
2/13/2017	<0.001								
2/14/2017		<0.0005				<0.0005			
2/15/2017					<0.001		<0.001		<0.0005
2/16/2017								<0.0005	
4/13/2017	9E-05 (J)								
4/14/2017		<0.0005				<0.0005			
4/17/2017							<0.001		
4/18/2017					<0.001			<0.0005	9E-05 (J)
5/25/2017	0.0001 (J)	<0.0005							
5/26/2017						<0.0005	<0.001		
6/2/2017					<0.001			<0.0005	<0.0005
7/7/2017	9E-05 (J)								
7/10/2017		<0.0005				<0.0005			
7/11/2017							<0.001		
7/12/2017								<0.0005	
7/13/2017									8E-05 (J)
7/14/2017					<0.001				
3/26/2018	<0.001	<0.0005				<0.0005			
3/27/2018					<0.001		<0.001	<0.0005	
3/28/2018									<0.0005
6/12/2018	<0.001	<0.0005				<0.0005	<0.001		
6/13/2018					<0.001				
6/14/2018								<0.0005	<0.0005
10/16/2018	<0.001	<0.0005				<0.0005			
10/17/2018							<0.001		<0.0005
10/18/2018					<0.001			<0.0005	
2/25/2019	<0.001					<0.0005			
2/27/2019		<0.0005							
2/28/2019					<0.001			<0.0005	<0.0005
4/1/2019	0.00011 (J)	<0.0005				<0.0005	6.5E-05 (J)		<0.0005
4/2/2019					7E-05 (J)			<0.0005	
9/23/2019	0.00011 (J)	<0.0005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
9/24/2019					8.7E-05 (J)	<0.0005	<0.001		
9/25/2019								<0.0005	6E-05 (J)
2/18/2020	0.00011 (J)								
2/19/2020		<0.0005				<0.0005			
2/20/2020							0.00022 (J)	<0.0005	
2/21/2020					9.6E-05 (J)				
2/24/2020									<0.0005
3/18/2020	0.00012 (J)	<0.0005				<0.0005			
3/19/2020					0.00011 (J)		0.00018 (J)		6.2E-05 (J)
3/23/2020								<0.0005	
5/22/2020			8.8E-05 (J)						
5/25/2020				<0.0005					
6/23/2020			<0.0005	<0.0005					
7/28/2020			<0.0005	<0.0005					
9/2/2020			<0.0005						
9/3/2020				<0.0005					
9/23/2020	<0.001	<0.0005				<0.0005			
9/24/2020							<0.001	<0.0005	
9/25/2020					<0.001				<0.0005
10/1/2020			<0.0005	<0.0005					
11/10/2020			<0.0005	<0.0005					
12/15/2020			<0.0005	<0.0005					
1/20/2021			<0.0005	<0.0005					
2/16/2021	0.0002 (J)	<0.0005				<0.0005			
2/17/2021			<0.0005	<0.0005			<0.001		
2/18/2021					<0.001			<0.0005	
2/19/2021									<0.0005
3/23/2021		<0.0005							
3/24/2021						<0.0005	<0.001		<0.0005
3/25/2021			<0.0005	<0.0005					
3/26/2021	0.00025 (J)								
3/30/2021					0.00015 (J)			<0.0005	
8/16/2021	0.00019 (J)	<0.0005	<0.0005	<0.0005					
8/18/2021						<0.0005	<0.001	<0.0005	<0.0005
8/19/2021					0.00023 (J)				
2/9/2022	<0.001		<0.0005	<0.0005					
2/10/2022		<0.0005				<0.0005	<0.001		
2/11/2022					0.0003 (J)			<0.0005	<0.0005
7/26/2022	0.00021 (J)	<0.0005	<0.0005	<0.0005		<0.0005	<0.001		
7/27/2022									<0.0005
7/28/2022					0.00029 (J)			<0.0005	
1/24/2023	<0.001	<0.0005	<0.0005	<0.0005					
1/26/2023					0.00019 (J)	<0.0005	0.00018 (J)		<0.0005
1/27/2023								<0.0005	
8/15/2023			<0.0005						
8/16/2023		<0.0005		<0.0005		<0.0005			<0.0005
8/17/2023					0.00074 (J)		0.0002 (J)	<0.0005	
8/21/2023	<0.001								
1/31/2024			<0.0005	<0.0005					
2/1/2024						<0.0005	<0.001	<0.0005	<0.0005
2/2/2024					<0.001				
2/5/2024		<0.0005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12
2/8/2024	<0.001								
8/15/2024			<0.0005	<0.0005					
8/16/2024					<0.001	<0.0005			
8/19/2024							<0.001		<0.0005
8/20/2024								<0.0005	
8/21/2024	<0.001	<0.0005							
2/4/2025			<0.0005	<0.0005					
2/5/2025						<0.0005	<0.001		<0.0005
2/6/2025		<0.0005			0.00016 (J)			<0.0005	
2/10/2025	0.00082 (J)								
7/31/2025			<0.0005	<0.0005		<0.0005			
8/4/2025							0.00018 (J)		<0.0005
8/5/2025	0.00016 (J)				0.00015 (J)			<0.0005	
8/12/2025		<0.0005							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/7/2016		0.0002 (J)	8.5E-05 (J)						
6/8/2016				<0.0005	8.5E-05 (J)	<0.001	<0.0005	0.00035 (J)	
6/9/2016									0.0001 (J)
8/11/2016		0.0002 (J)	8E-05 (J)						
8/12/2016				6E-05 (J)	8E-05 (J)	<0.001			
8/18/2016							<0.0005	0.0005 (J)	<0.001
10/7/2016		0.0002 (J)	<0.0005	<0.0005	<0.0005				
10/10/2016						<0.001	<0.0005	0.0006 (J)	<0.001
12/6/2016		0.0003 (J)	<0.0005	<0.0005					
12/7/2016					<0.0005	<0.001			<0.001
12/8/2016							<0.0005	0.0005 (J)	
2/16/2017		0.0003 (J)	<0.0005	<0.0005	<0.0005				
2/17/2017						<0.001	<0.0005	0.0006 (J)	
2/20/2017									<0.001
4/18/2017		0.0002 (J)							
4/19/2017			8E-05 (J)	<0.0005	6E-05 (J)	<0.001	<0.0005		<0.001
4/20/2017								0.0006 (J)	
5/30/2017		0.0002 (J)	9E-05 (J)						
6/1/2017				<0.0005	8E-05 (J)	<0.001	<0.0005		
6/5/2017								0.0006 (J)	<0.001
7/14/2017		0.0002 (J)	9E-05 (J)	<0.0005	8E-05 (J)				
7/17/2017									<0.001
7/18/2017						<0.001	<0.0005		
7/19/2017								0.0007 (J)	
3/27/2018		0.00019 (J)	<0.0005	<0.0005	<0.0005				
3/28/2018						<0.001	<0.0005		
3/29/2018								0.00063 (J)	<0.001
6/12/2018		0.0002 (J)							
6/13/2018						<0.001			<0.001
6/14/2018			<0.0005	<0.0005			<0.0005	0.00069 (J)	
6/15/2018					<0.0005				
10/17/2018			<0.0005						
10/18/2018		0.0002 (J)		<0.0005					
10/19/2018					<0.0005		<0.0005		
10/22/2018						<0.001		0.00071 (J)	<0.001
2/25/2019		0.00023 (J)							
2/27/2019			<0.0005	<0.0005		<0.001			
3/1/2019					<0.0005			0.00074 (J)	<0.001
4/2/2019		0.0002 (J)	7.5E-05 (J)	<0.0005					
4/3/2019					<0.0005	<0.001	<0.0005	0.0007 (J)	<0.001
9/26/2019		0.00023 (J)	0.00026 (J)	7.1E-05 (J)	8E-05 (J)	<0.001			
9/27/2019								0.00088 (J)	0.00018 (J)
9/30/2019							<0.0005		
2/20/2020		0.00028 (J)							
2/24/2020			5.9E-05 (J)	6.8E-05 (J)	<0.0005	<0.001			
2/25/2020								0.00062 (J)	0.00015 (J)
2/26/2020							<0.0005		
3/19/2020		0.00022 (J)	6.1E-05 (J)						
3/20/2020				<0.0005	<0.0005		<0.0005	0.00063 (J)	
3/23/2020						0.0002 (J)			0.00016 (J)
5/22/2020	0.00016 (J)								
6/23/2020	0.00011 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
7/28/2020	0.00026 (J)								
9/2/2020	0.00035 (J)								
9/24/2020		0.00024 (J)	0.00018 (J)	<0.0005			<0.0005	0.001	0.00038 (J)
9/28/2020					<0.0005	<0.001			
10/1/2020	0.0005 (J)								
11/10/2020	0.00044 (J)								
12/15/2020	0.00044 (J)								
1/20/2021	0.00031 (J)								
2/18/2021	0.00077 (J)	0.00023 (J)	<0.0005	<0.0005	<0.0005	<0.001			
2/19/2021							<0.0005	0.00089 (J)	0.00039 (J)
3/24/2021	0.00023 (J)	0.00019 (J)	<0.0005	<0.0005					
3/26/2021					<0.0005				0.00069 (J)
3/29/2021						<0.001	<0.0005	0.0009 (J)	
8/18/2021	0.00039 (J)	0.00023 (J)							
8/19/2021			<0.0005	<0.0005					
8/20/2021					<0.0005	0.00025 (J)	<0.0005		
8/23/2021								0.00088 (J)	<0.001
2/9/2022	0.00024 (J)								
2/11/2022		0.00024 (J)	<0.0005						
2/14/2022									<0.001
2/15/2022								0.0011	
2/16/2022				<0.0005	0.00021 (J)	<0.001	<0.0005		
7/26/2022	0.00047 (J)								
7/27/2022		0.00025 (J)	<0.0005	<0.0005	<0.0005	<0.001			
7/28/2022							<0.0005		
8/1/2022									<0.001
8/2/2022								0.00098 (J)	
1/26/2023	0.00048 (J)	0.00023 (J)	<0.0005	0.00019 (J)					
1/27/2023					<0.0005		<0.0005		
1/30/2023						<0.001			
2/2/2023									0.00027 (J)
2/7/2023								0.0008 (J)	
8/16/2023	0.00059 (J)								
8/17/2023		0.00025 (J)	<0.0005	<0.0005					
8/18/2023					<0.0005	<0.001			
8/22/2023								0.0013	
8/23/2023							<0.0005		<0.001
2/1/2024	0.0006 (J)	<0.001	<0.0005						
2/2/2024				<0.0005	<0.0005				
2/5/2024						<0.001	<0.0005		
2/8/2024								0.00083 (J)	<0.001
8/16/2024	0.00064 (J)								
8/19/2024		<0.001	<0.0005	<0.0005	<0.0005				
8/20/2024						<0.001			
8/21/2024								0.00064 (J)	
8/22/2024							<0.0005		0.00057 (J)
2/5/2025	0.00066 (J)								
2/6/2025		0.00027 (J)				0.00023 (J)			
2/7/2025			<0.0005	<0.0005	<0.0005				
2/10/2025							<0.0005		
2/11/2025									0.00038 (J)
2/13/2025								0.0011	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/4/2025	0.00057								
8/5/2025		0.00025 (J)	<0.0005	<0.0005					
8/6/2025					<0.0005				
8/7/2025						0.00025 (J)		0.00064	
8/11/2025							<0.0005		0.00036 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
6/8/2016		<0.0005							
6/9/2016	0.00022 (J)								
8/15/2016		<0.0005							
8/18/2016	<0.001								
10/10/2016	0.0003 (J)	<0.0005							
12/7/2016	<0.001								
12/8/2016		<0.0005							
1/23/2017			0.0008 (J)						
2/7/2017			0.0008 (J)						
2/20/2017	0.0003 (J)	<0.0005							
3/27/2017			0.0006 (J)						
4/17/2017			0.0007 (J)						
4/19/2017	0.0004 (J)								
4/20/2017		<0.0005							
5/22/2017			0.0008 (J)						
6/1/2017		<0.0005							
6/5/2017	0.0004 (J)		0.0007 (J)						
7/11/2017			0.0007 (J)						
7/17/2017	0.0004 (J)	<0.0005							
8/23/2017			0.0007 (J)						
3/26/2018			0.00058 (J)						
3/28/2018		<0.0005							
3/29/2018	0.00048 (J)								
6/13/2018	0.00053 (J)								
6/14/2018		<0.0005							
6/15/2018			0.00056 (J)						
10/17/2018								0.00026 (J)	
10/18/2018				<0.0005					
10/19/2018						<0.0005			
10/22/2018	0.00047 (J)	<0.0005	0.00034 (J)		0.00014 (J)		<0.0005		
3/1/2019	0.0007 (J)	<0.0005	0.00024 (J)						
4/2/2019			0.00024 (J)					0.00022 (J)	
4/3/2019	0.00064 (J)								
4/4/2019		<0.0005		<0.0005		<0.0005	<0.0005		
4/5/2019					0.00046 (J)				
9/24/2019				<0.0005		<0.0005			
9/26/2019					0.00017 (J)		<0.0005		
9/27/2019			0.00014 (J)					0.00037 (J)	
9/30/2019	0.00069 (J)	<0.0005							
2/25/2020							<0.0005		
2/26/2020	0.00073 (J)	<0.0005	8.5E-05 (J)	<0.0005				0.00013 (J)	
2/27/2020					0.00013 (J)	8.9E-05 (J)			0.0027
3/23/2020			9.1E-05 (J)	<0.0005				0.00011 (J)	
3/24/2020		<0.0005			8.4E-05 (J)	<0.0005			5.6E-05 (J)
3/25/2020	0.00066 (J)						6.8E-05 (J)		
9/2/2020									0.00042 (J)
9/25/2020	0.00057 (J)		<0.0005		0.00014 (J)		<0.0005		
9/28/2020		<0.0005		<0.0005		<0.0005		0.00019 (J)	
2/19/2021	0.0005 (J)					<0.0005			
2/22/2021				<0.0005			0.00016 (J)		
2/23/2021		<0.0005			0.00015 (J)				
3/8/2021			<0.0005					0.0002 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D
3/9/2021									<0.001
3/25/2021			<0.0005					0.00019 (J)	
3/26/2021	0.00057 (J)	<0.0005					<0.0005		
3/29/2021				<0.0005					0.00018 (J)
3/30/2021					0.00016 (J)	<0.0005			
8/19/2021		<0.0005	0.00022 (J)						<0.001
8/20/2021				<0.0005			0.00026 (J)		
8/23/2021	0.00051 (J)							0.00024 (J)	
8/24/2021						<0.0005			
8/25/2021					<0.0005				
2/14/2022			<0.0005					0.00022 (J)	<0.001
2/15/2022	0.00045 (J)								
2/16/2022		<0.0005		<0.0005	<0.0005	<0.0005			
2/17/2022							<0.0005		
7/27/2022		<0.0005							
7/28/2022				<0.0005		<0.0005	0.00022 (J)		
7/29/2022					<0.0005			0.00018 (J)	
8/1/2022			<0.0005						
8/2/2022	<0.001								<0.001
10/21/2022	0.00032 (J)								
1/27/2023		<0.0005		<0.0005					
1/30/2023						<0.0005	<0.0005		
1/31/2023					<0.0005				
2/1/2023	0.00035 (J)		<0.0005					<0.001	
2/7/2023									<0.001
8/17/2023		<0.0005							
8/18/2023				<0.0005	<0.0005	<0.0005			
8/21/2023			<0.0005					<0.001	<0.001
8/24/2023							<0.0005		
8/25/2023	0.00028 (J)								
1/30/2024	<0.001							<0.001	
2/2/2024				<0.0005					
2/5/2024		<0.0005				<0.0005			
2/6/2024			<0.0005						<0.001
2/7/2024							<0.0005		
2/8/2024					<0.0005				
8/19/2024				<0.0005					
8/20/2024		<0.0005				<0.0005		<0.001	
8/21/2024	<0.001				<0.0005				
8/22/2024			<0.0005				<0.0005		0.00093 (J)
2/5/2025								0.0002 (J)	
2/6/2025				<0.0005		<0.0005			
2/10/2025		<0.0005	<0.0005						
2/11/2025	0.0002 (J)						<0.0005		0.0013
2/12/2025					<0.0005				
8/5/2025			<0.0005						
8/6/2025									0.00016 (J)
8/7/2025		<0.0005				<0.0005		0.00017 (J)	
8/8/2025				<0.0005					
8/11/2025	0.00028 (J)						<0.0005		
8/12/2025					<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
2/28/2020	<0.0005							
3/25/2020	0.00014 (J)							
9/3/2020		0.0024						
9/29/2020	<0.0005							
1/28/2021					0.0002 (J)	0.00045 (J)		
2/22/2021	<0.0005							
2/23/2021					<0.0005	0.00023 (J)		
3/8/2021		0.0015						
3/29/2021		0.0016						
3/30/2021	<0.0005				0.0004 (J)	0.00024 (J)		
4/19/2021			<0.0005	<0.0005				
8/18/2021				<0.0005				
8/23/2021		0.0028			<0.0005	0.00037 (J)		
8/24/2021	<0.0005		<0.0005					
2/9/2022				<0.0005				
2/14/2022					<0.0005	<0.0005		
2/15/2022		0.0034						
2/16/2022	<0.0005							
2/17/2022			<0.0005					
4/28/2022								<0.001
7/26/2022				<0.0005				
7/28/2022	<0.0005					<0.0005		
8/1/2022		0.0028	<0.0005		<0.0005			
8/2/2022								<0.001
1/25/2023				<0.0005				
1/31/2023	<0.0005				<0.0005	0.0002 (J)		
2/1/2023			<0.0005					
2/2/2023								<0.001
2/7/2023		0.0011						
8/15/2023				<0.0005				
8/18/2023	<0.0005							
8/21/2023					<0.0005			
8/22/2023			<0.0005			<0.0005		
8/23/2023		0.0021						
1/30/2024		0.0055						
1/31/2024				<0.0005				
2/5/2024					<0.0005	<0.0005		
2/6/2024			<0.0005					
2/7/2024	<0.0005							
4/3/2024		0.0021						
8/16/2024				<0.0005				
8/20/2024	<0.0005				<0.0005	0.00039 (J)		
8/21/2024		0.0022	<0.0005					
8/22/2024								0.00042 (J)
12/3/2024							<0.0005	
2/5/2025				<0.0005				
2/6/2025					<0.0005			
2/7/2025						<0.0005		0.0002 (J)
2/10/2025	<0.0005		<0.0005					
2/11/2025		0.0024						
2/12/2025							<0.0005	
7/31/2025				<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:03 PM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen AP-1

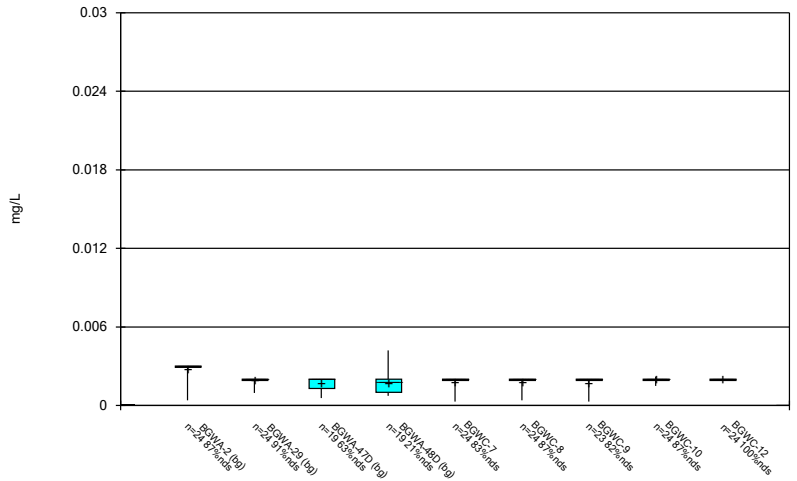
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8/7/2025		0.0021						
8/8/2025	<0.0005						<0.0005	
8/11/2025						<0.0005		0.00036 (J)
8/13/2025					<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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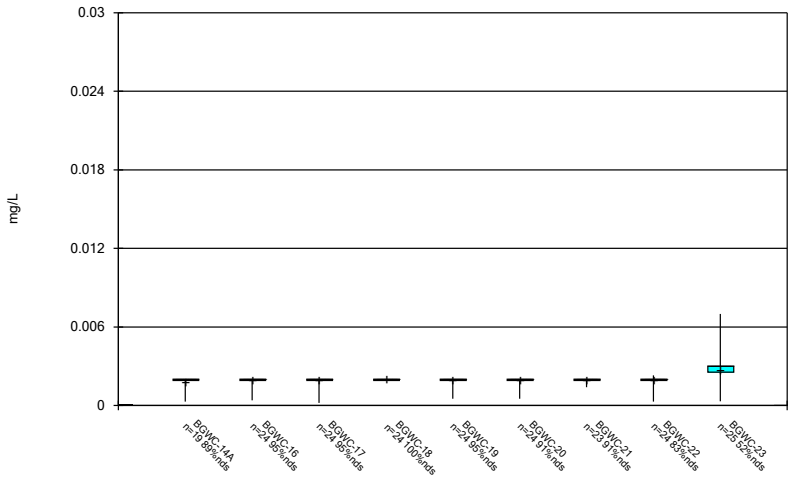
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

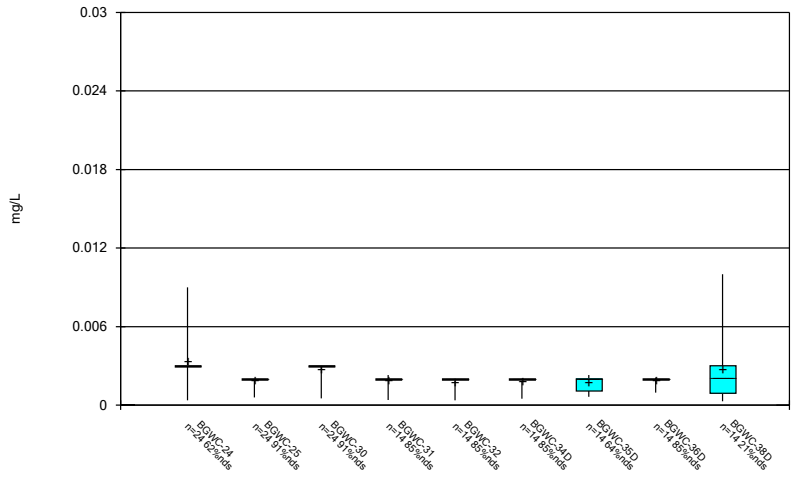
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

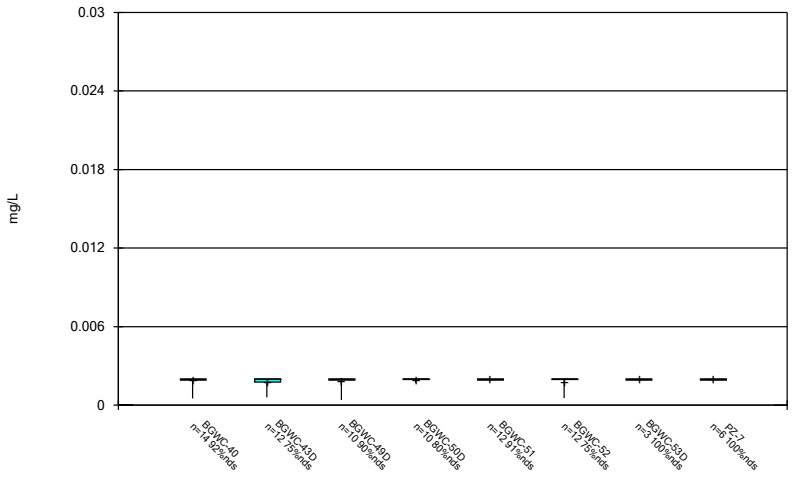
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

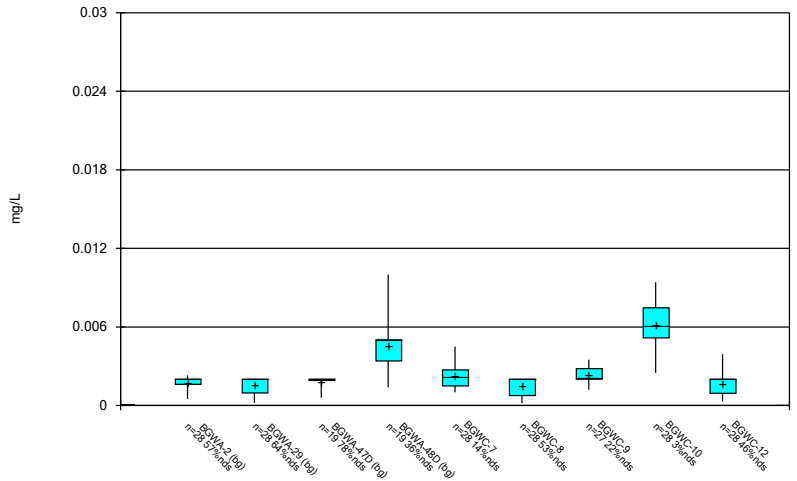
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

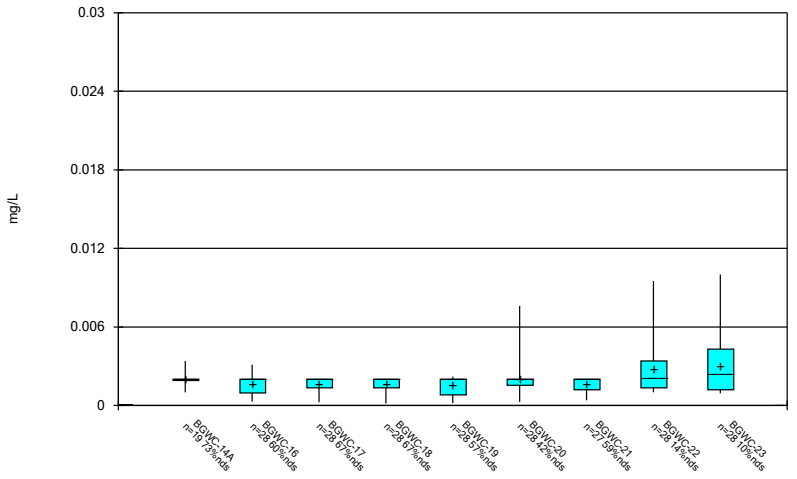
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

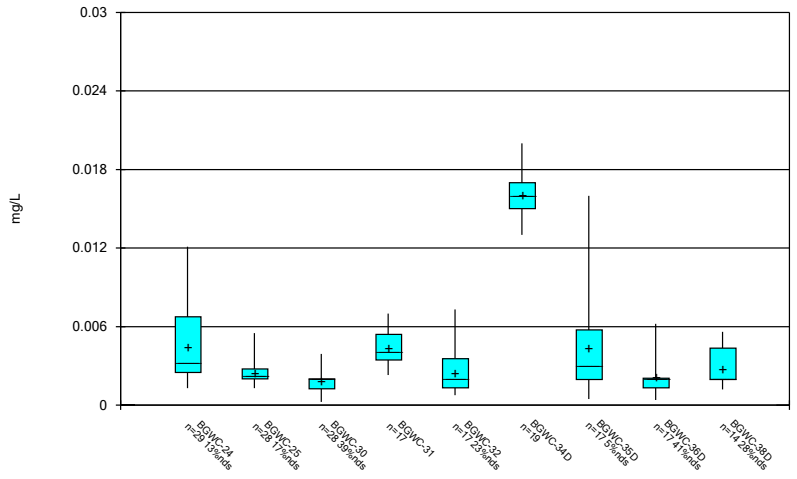
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

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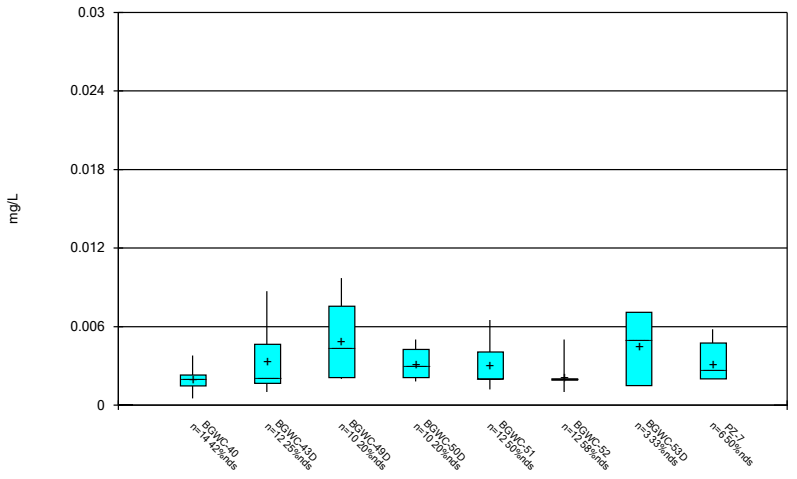
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

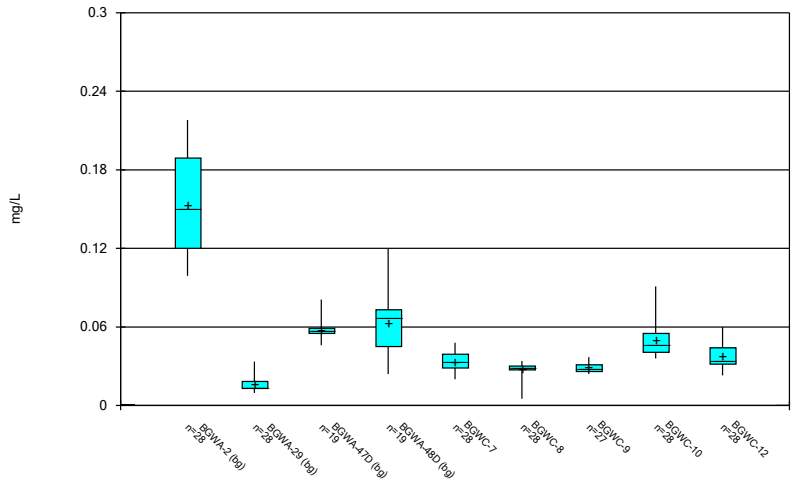
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

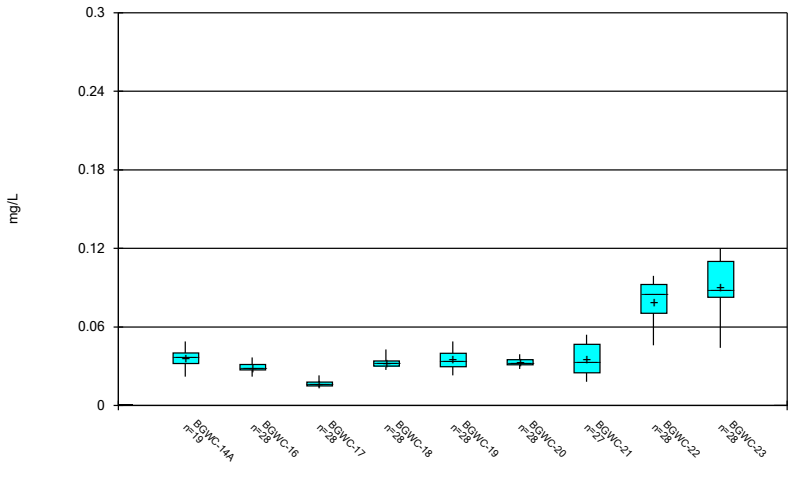
Box & Whiskers Plot



Constituent: Barium Analysis Run 10/28/2025 2:04 PM View: Descriptive
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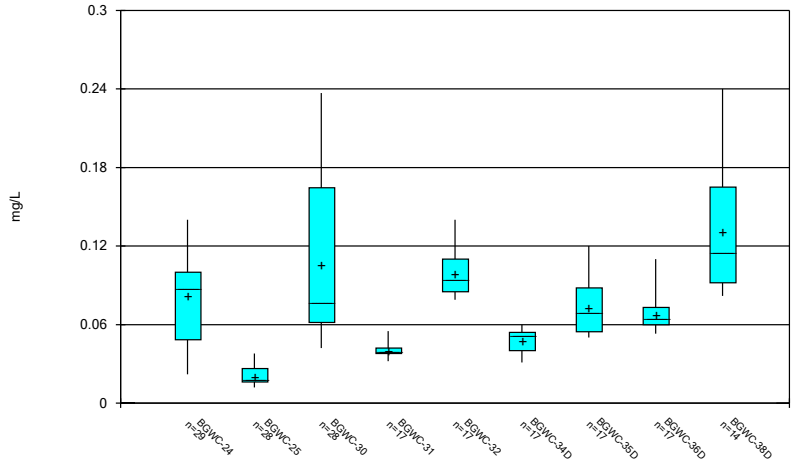
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

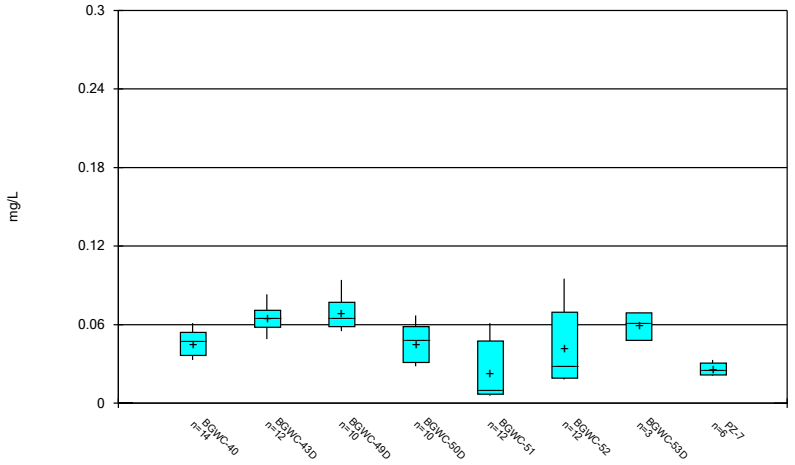
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

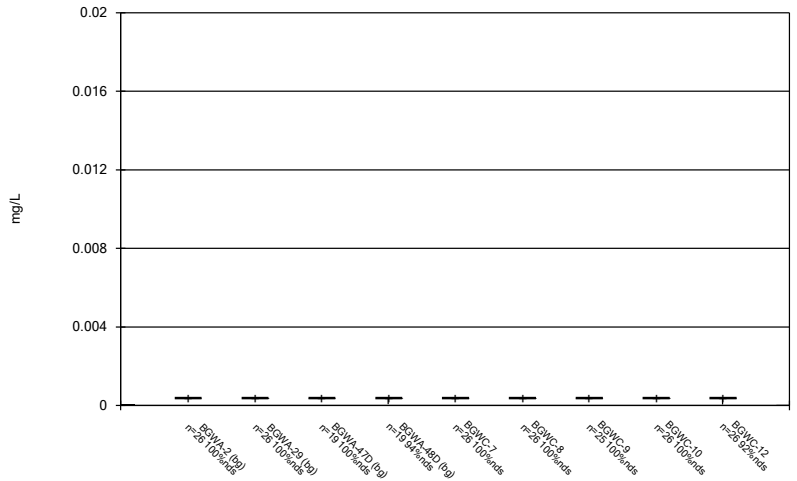
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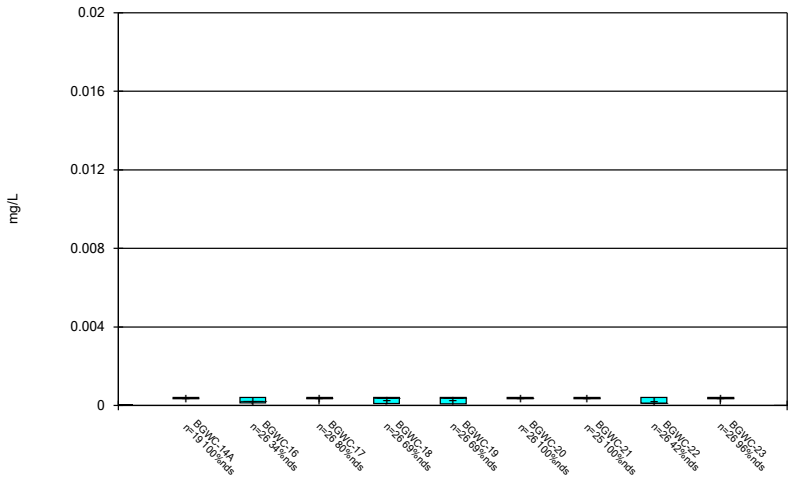
Box & Whiskers Plot



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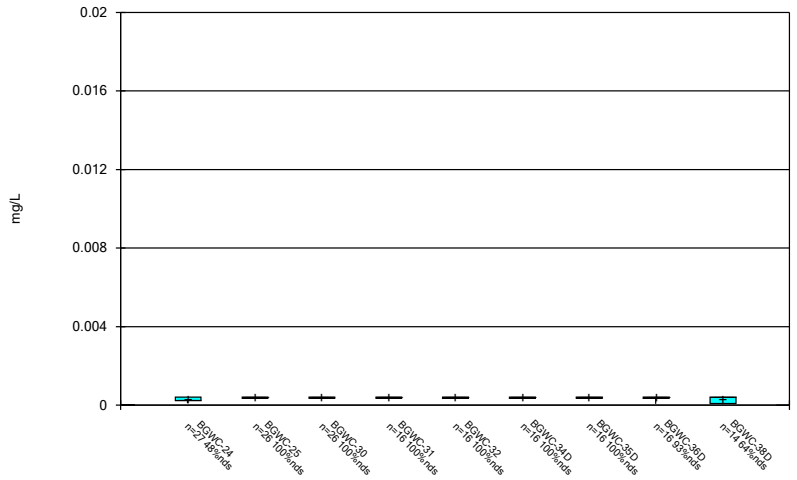
Box & Whiskers Plot



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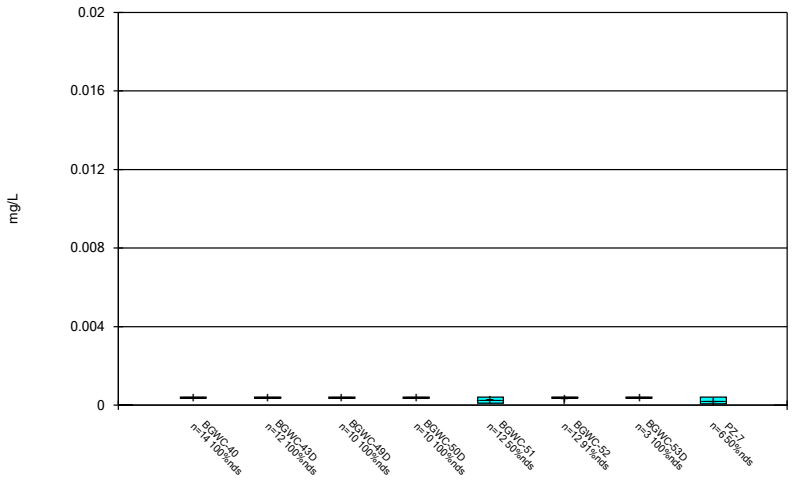
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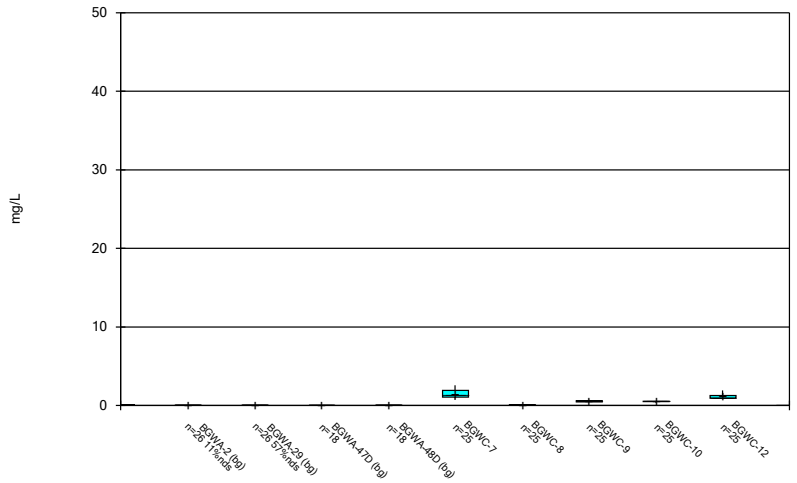
Box & Whiskers Plot



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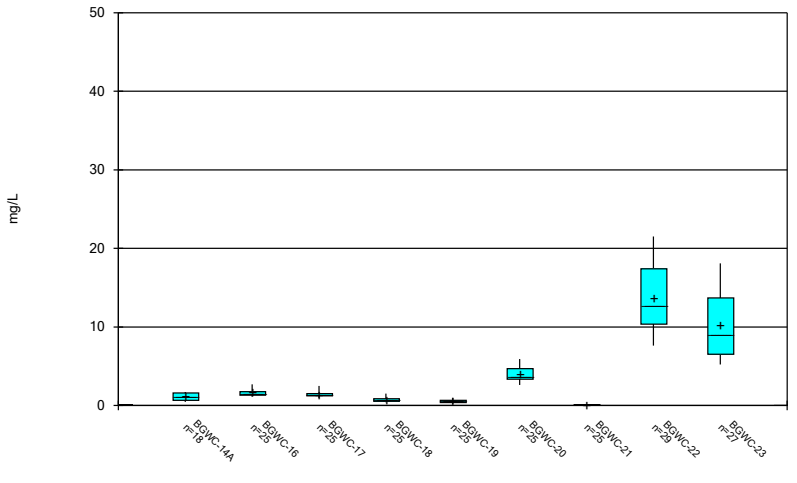
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

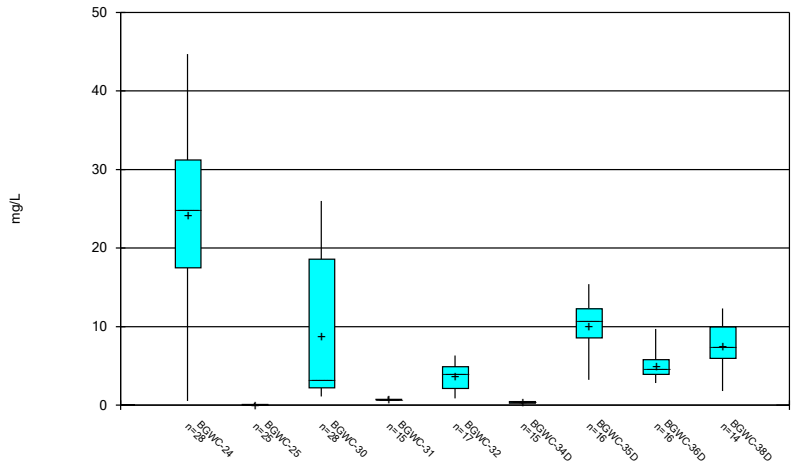
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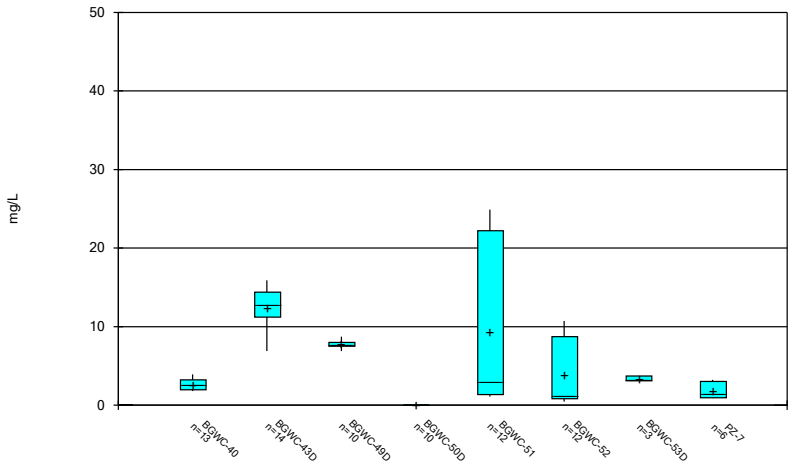
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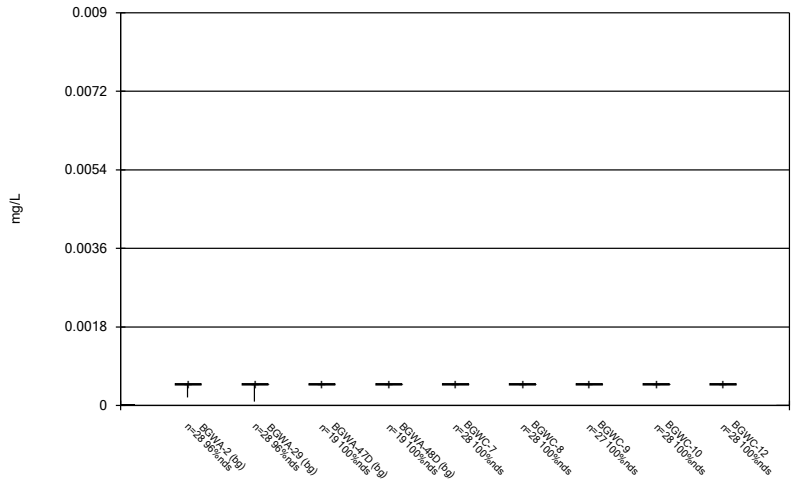
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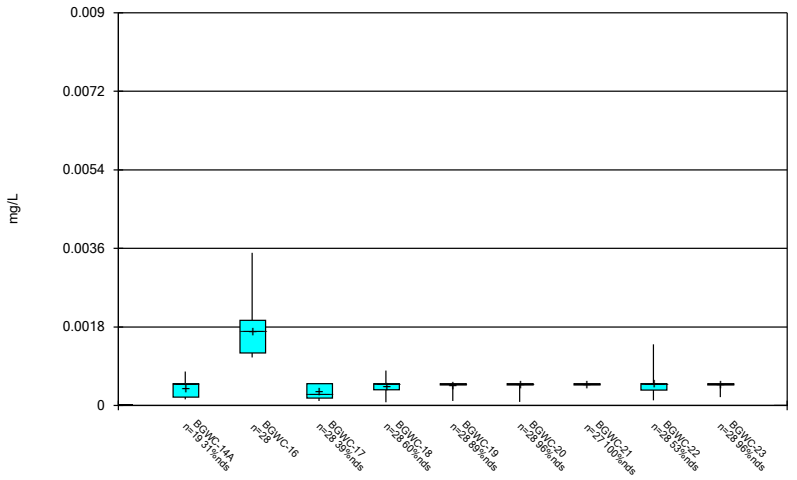
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

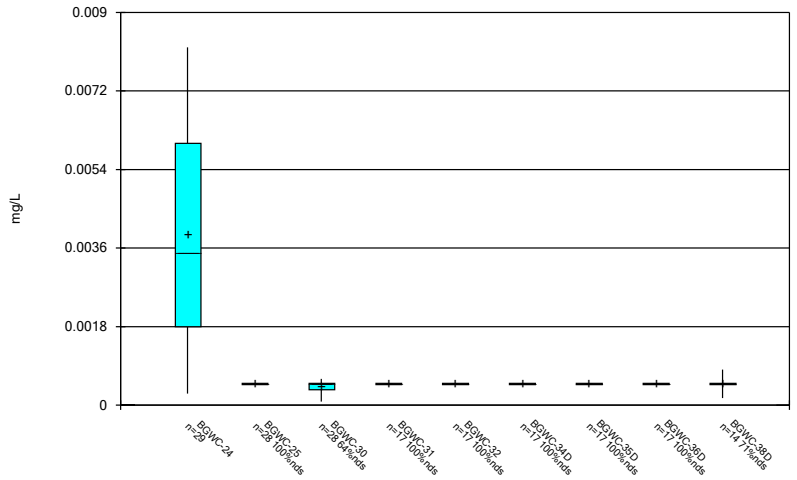
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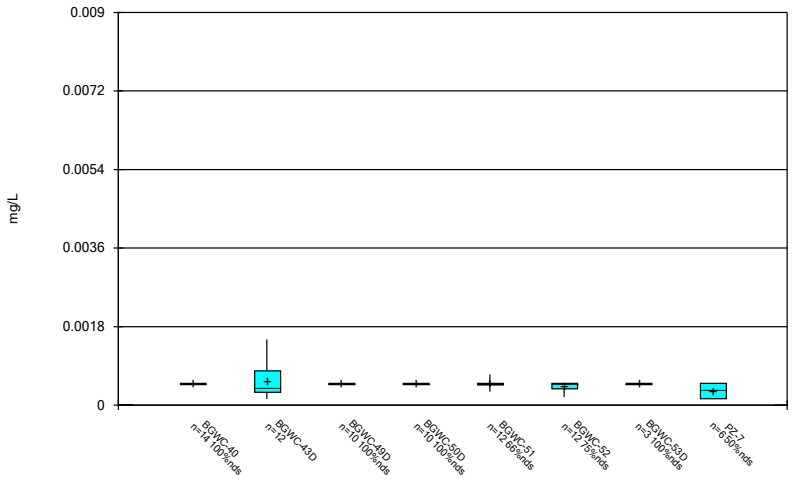
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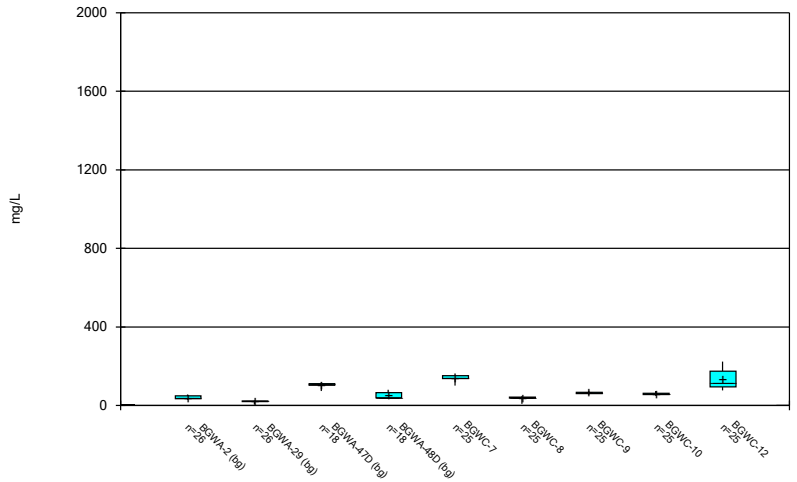
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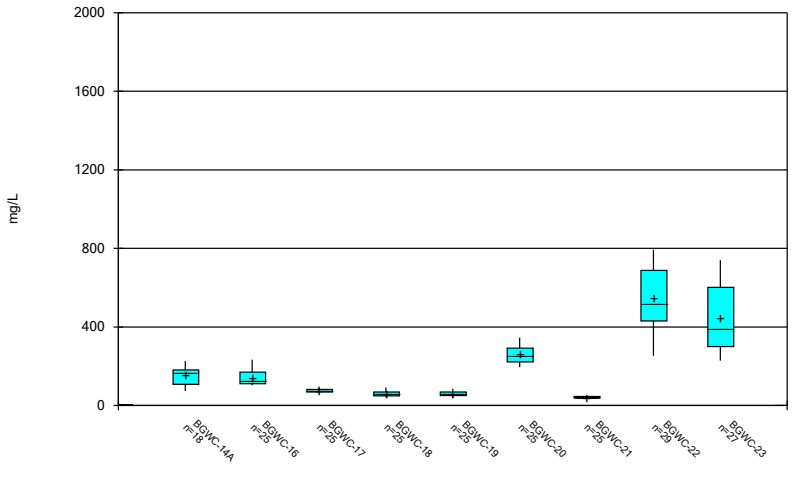
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

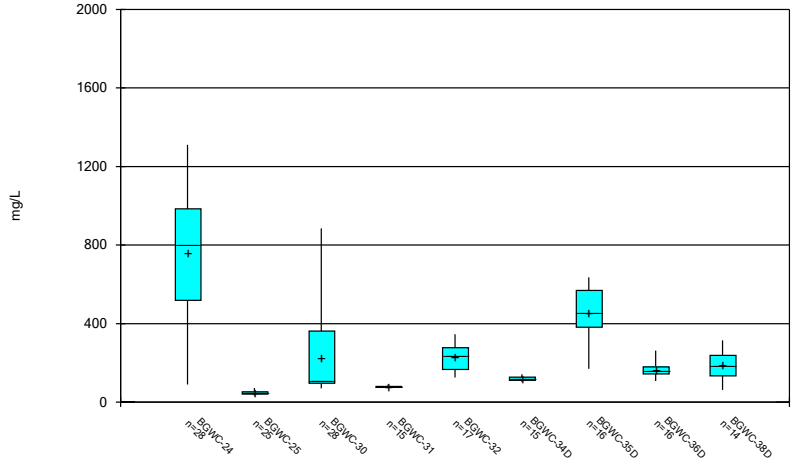
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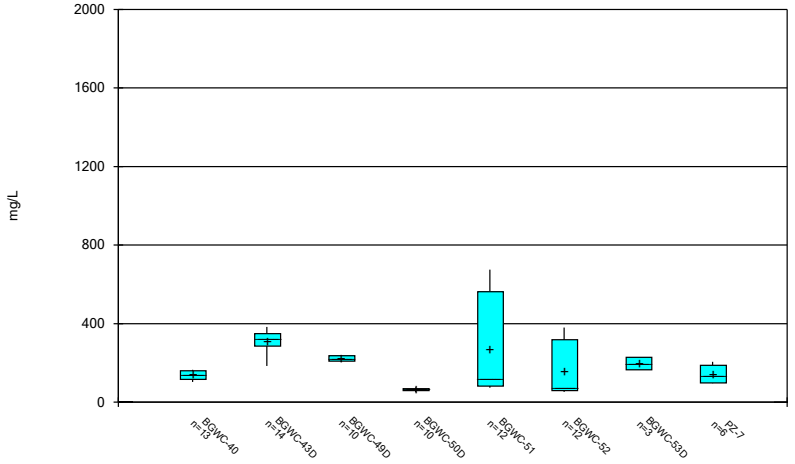
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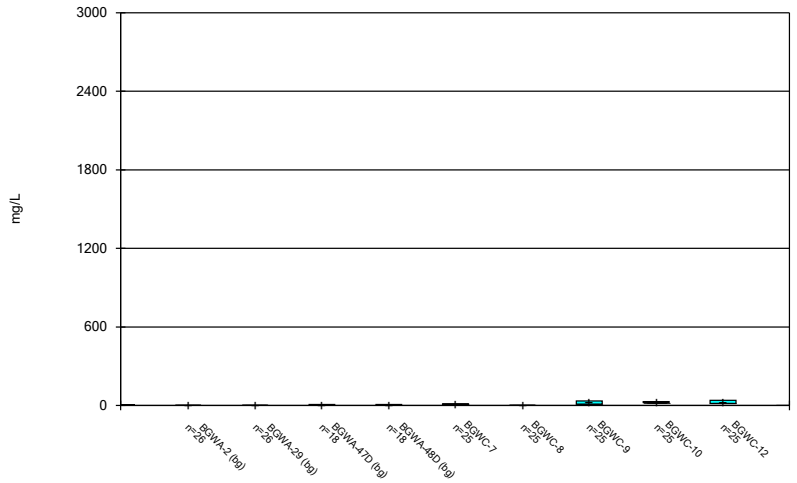
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

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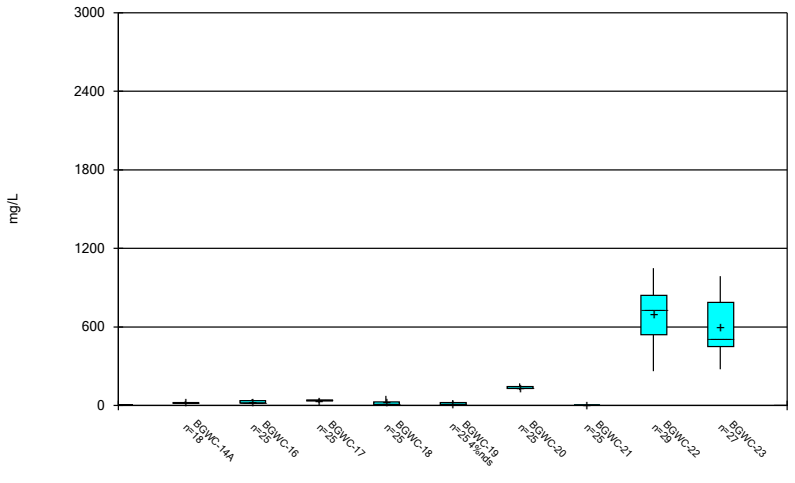
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

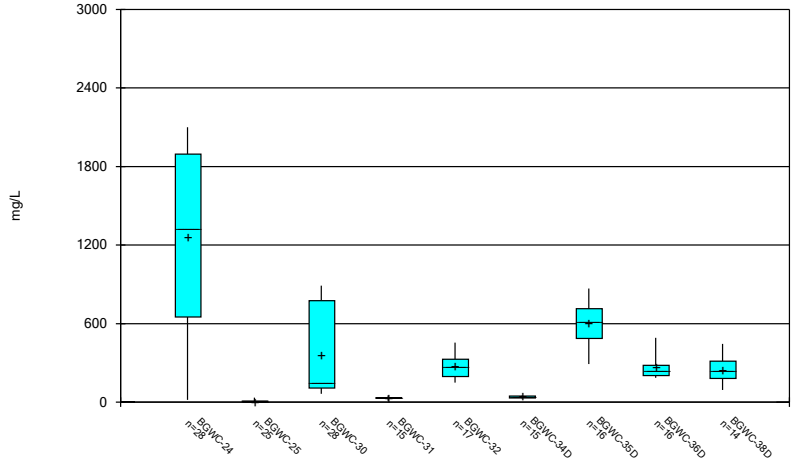
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

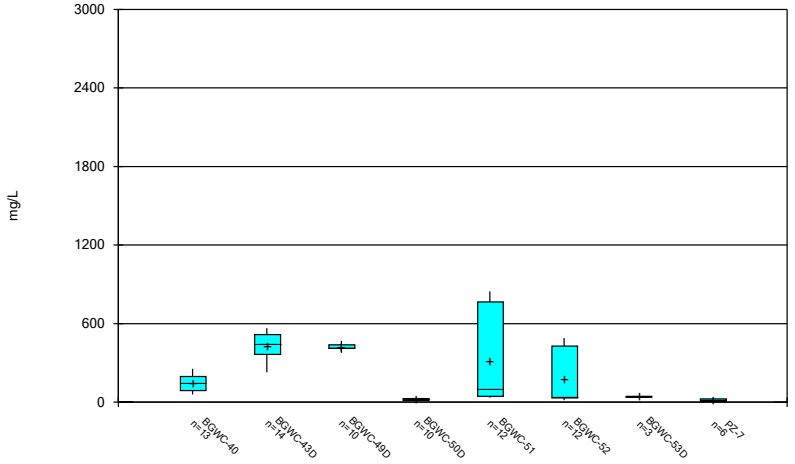
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

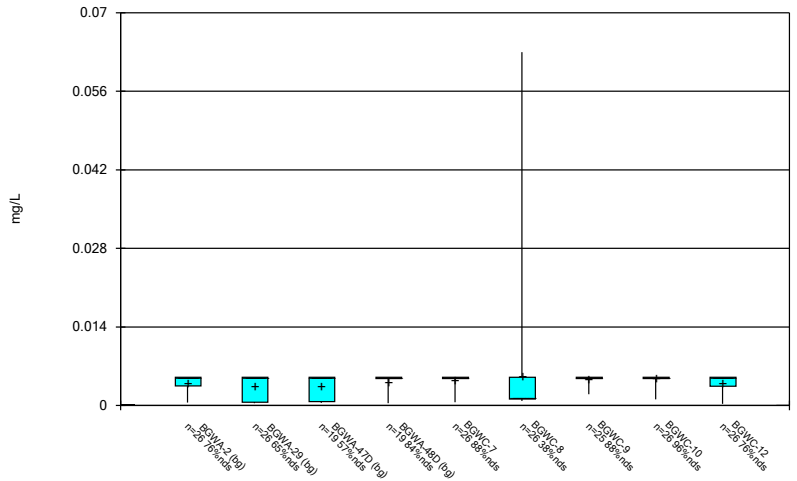
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

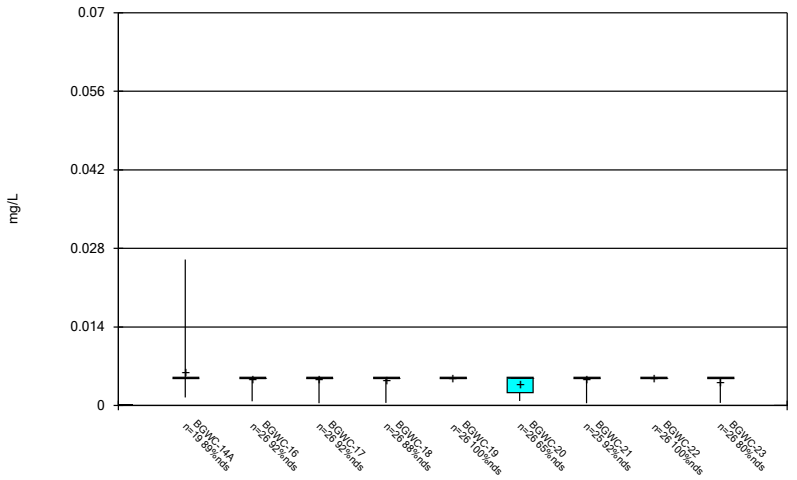
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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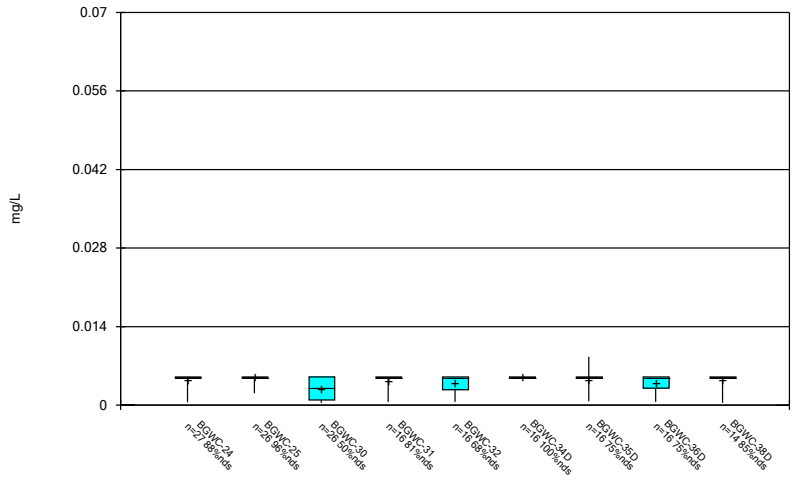
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

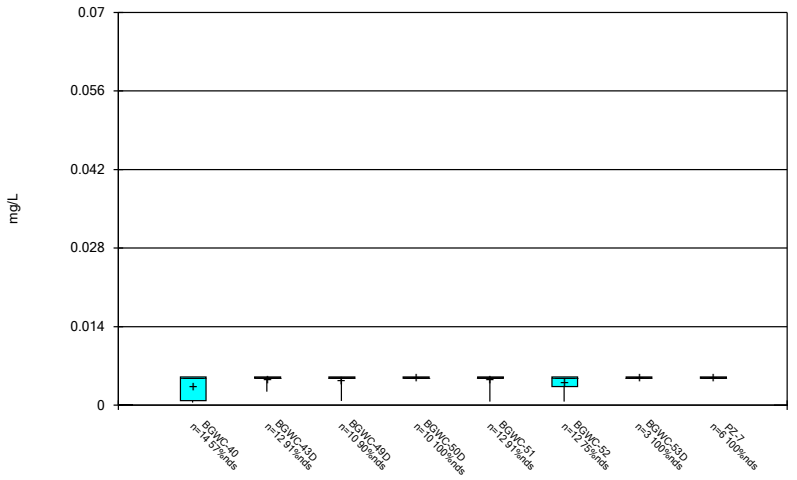
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

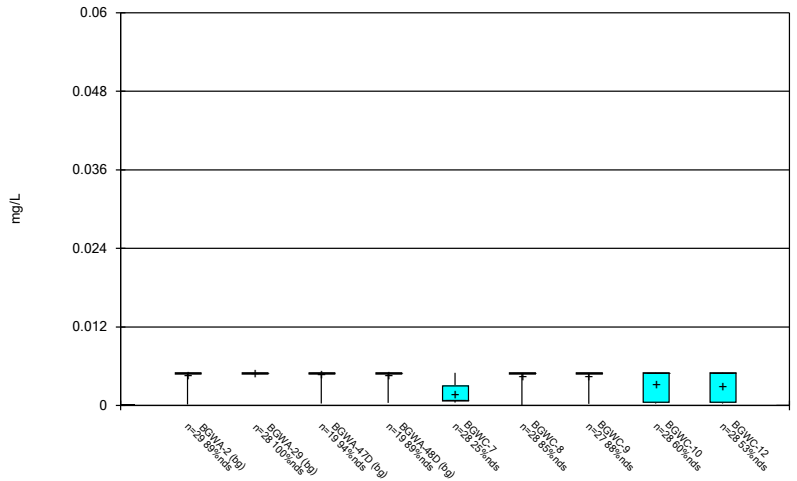
Box & Whiskers Plot



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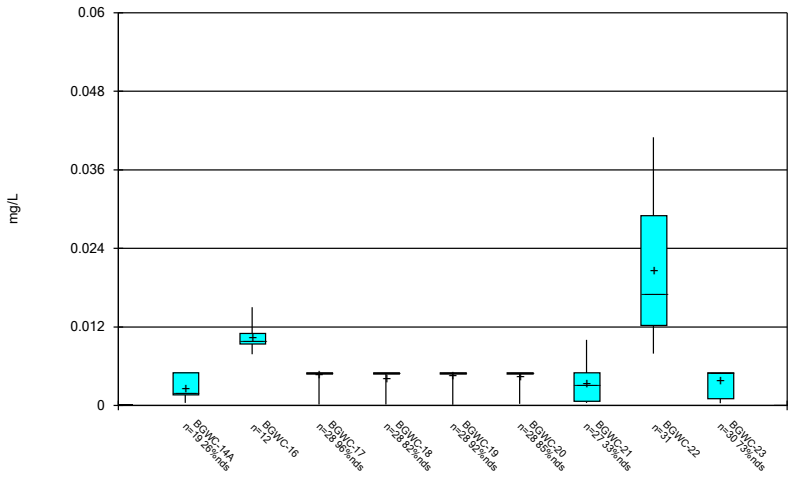
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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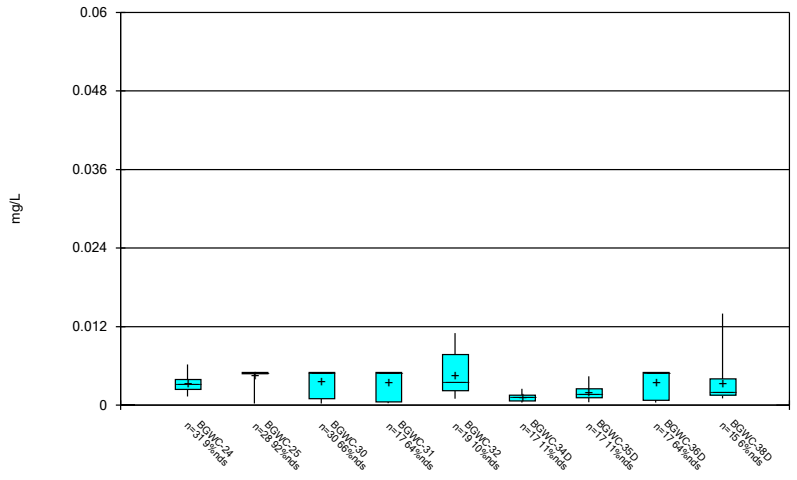
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

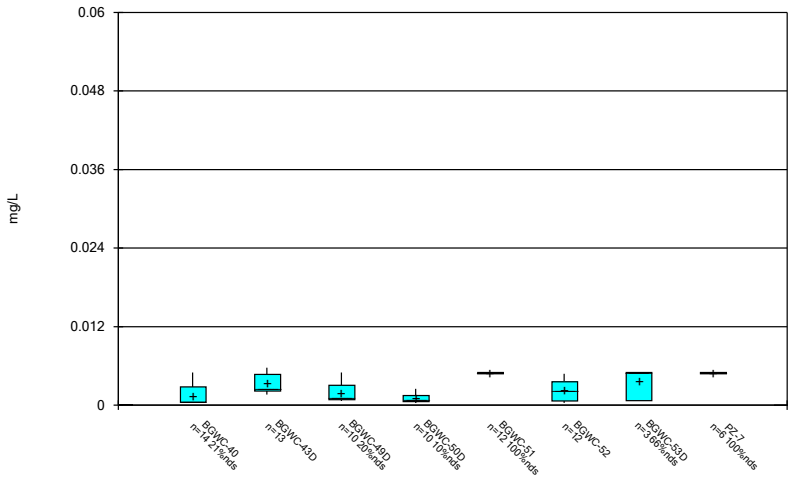
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

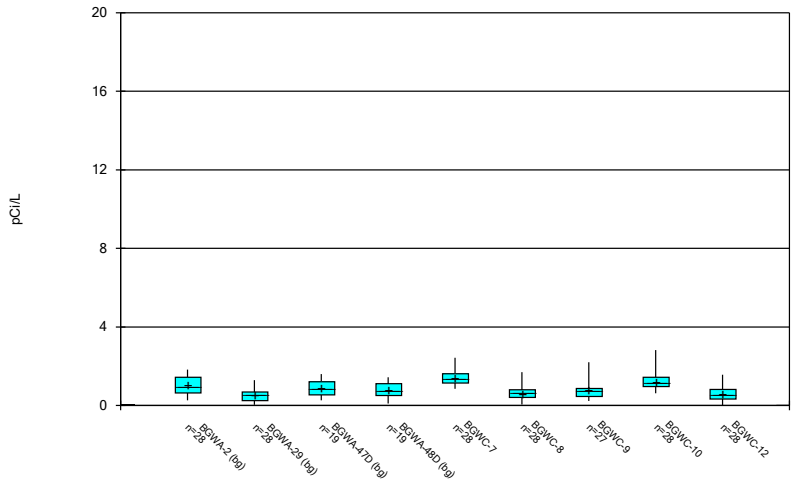
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

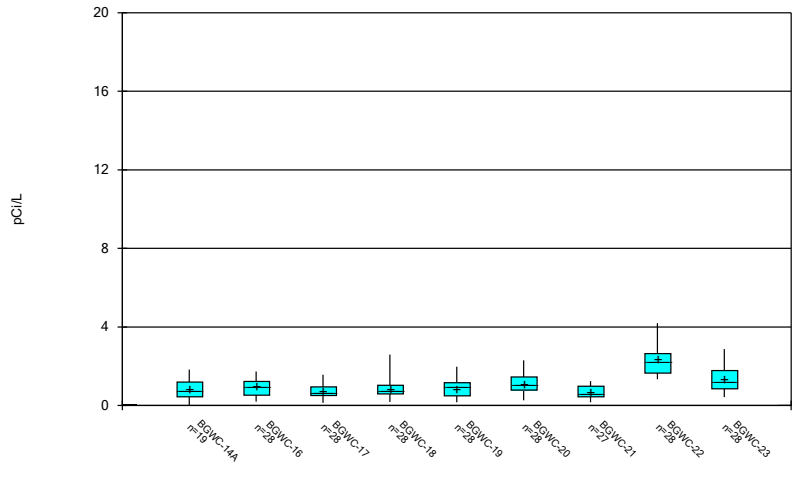
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

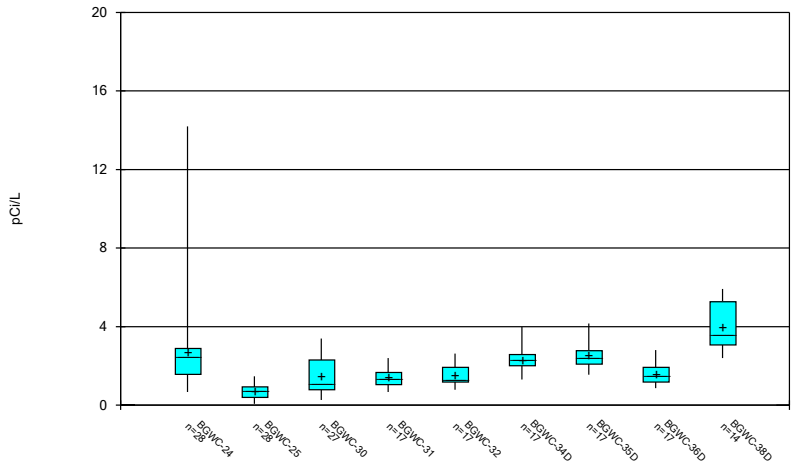
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:04 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

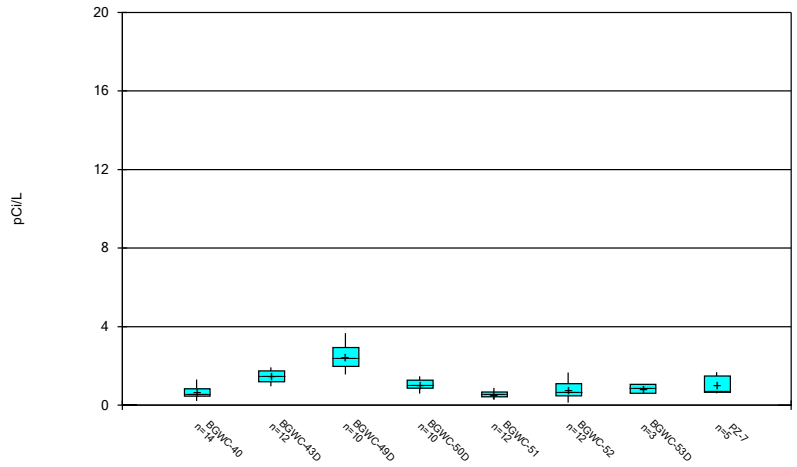
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

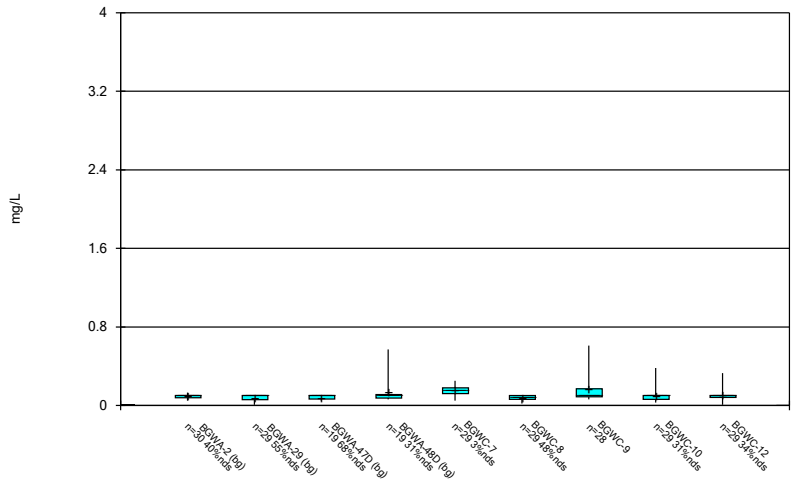
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

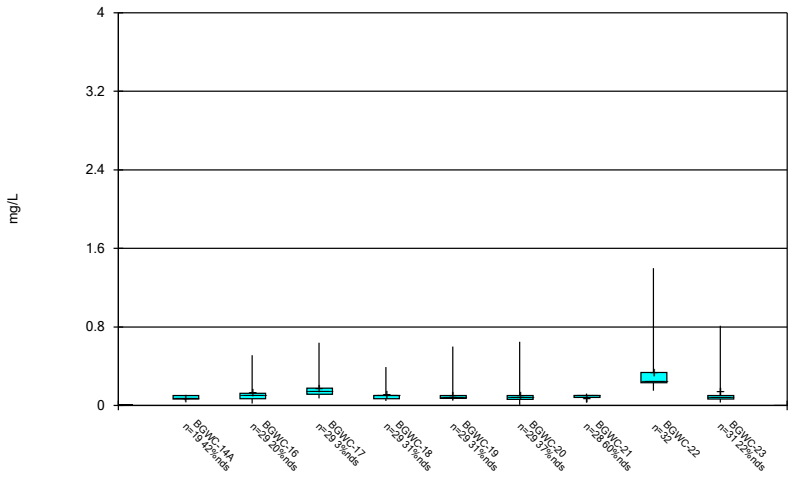
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

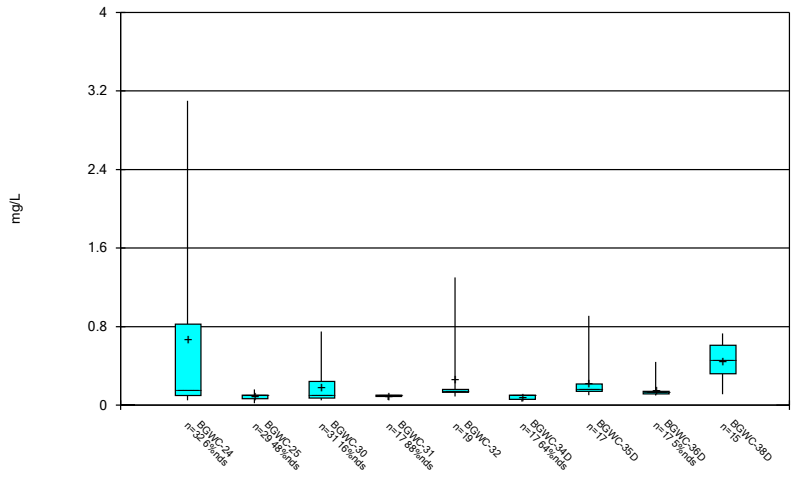
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

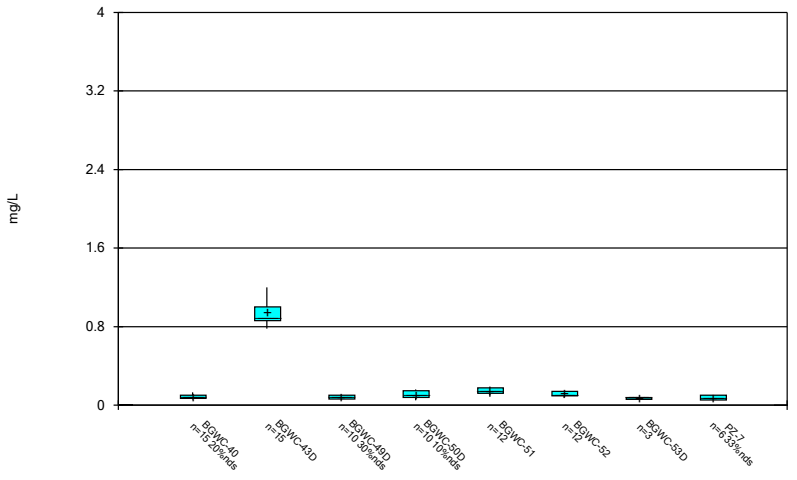
Box & Whiskers Plot



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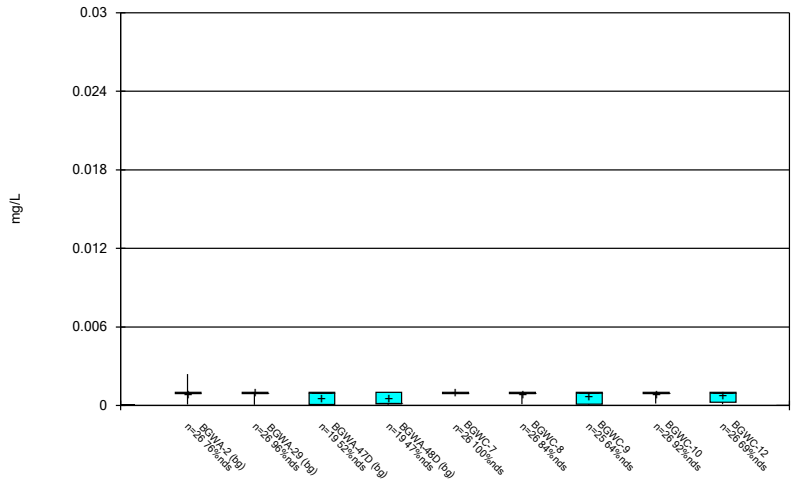
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

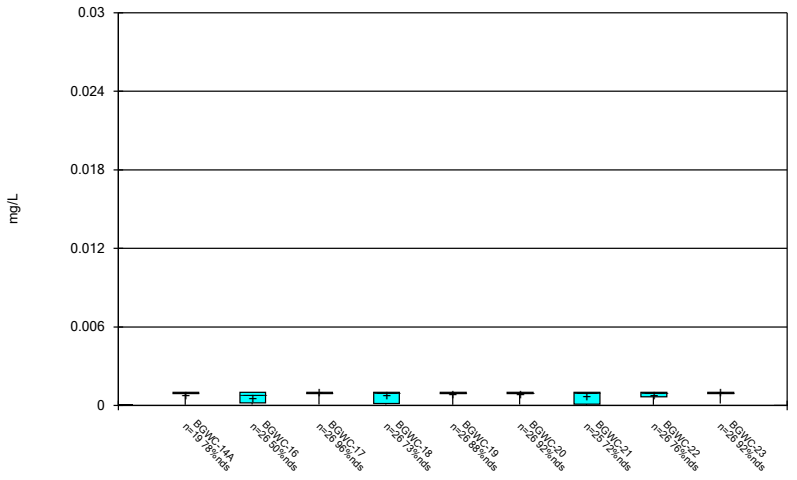
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

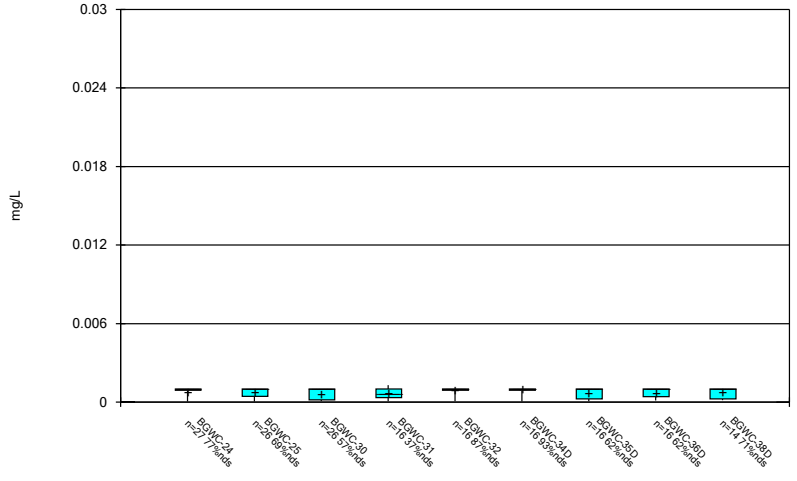
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

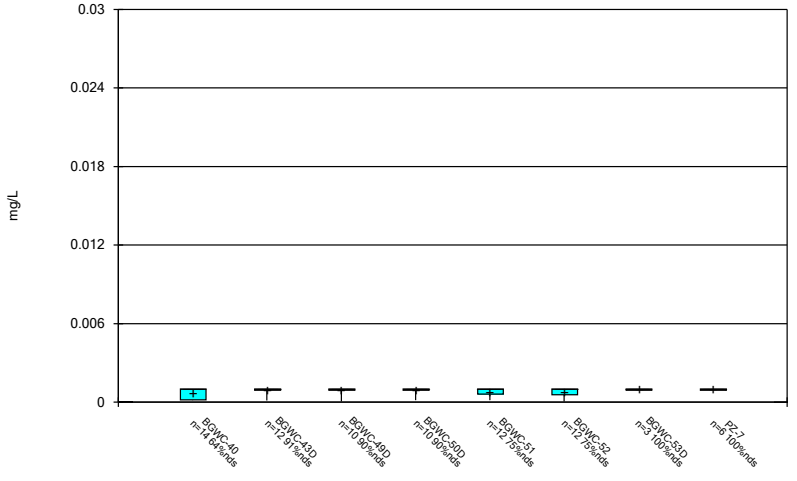
Box & Whiskers Plot



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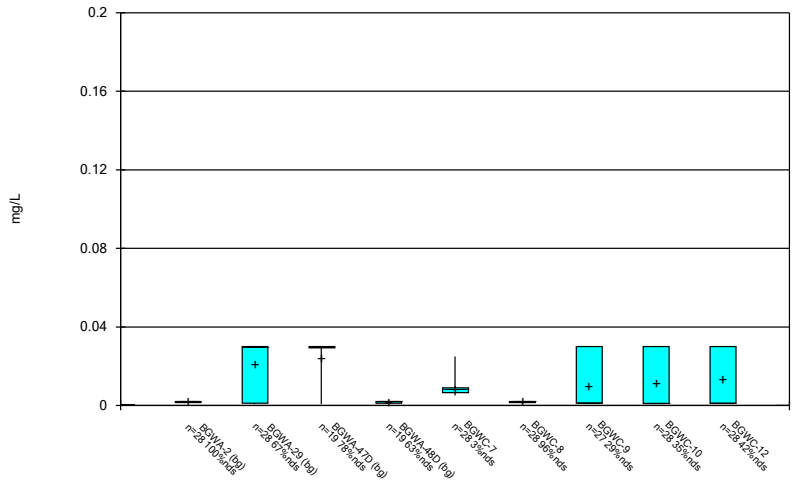
Box & Whiskers Plot



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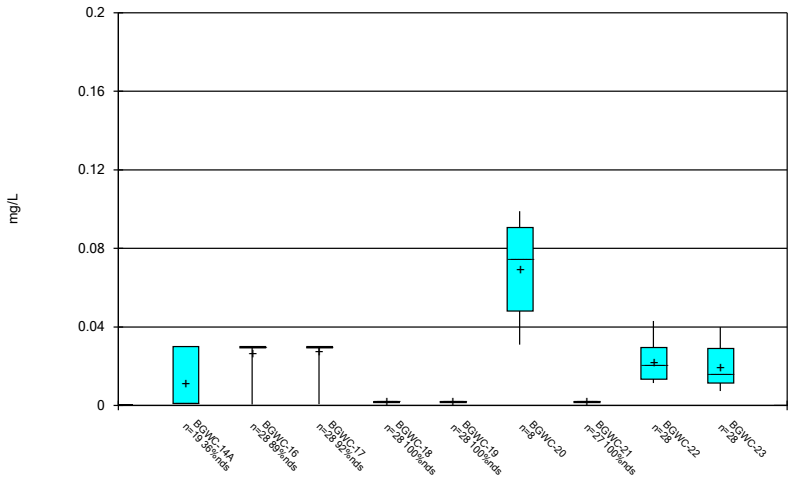
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

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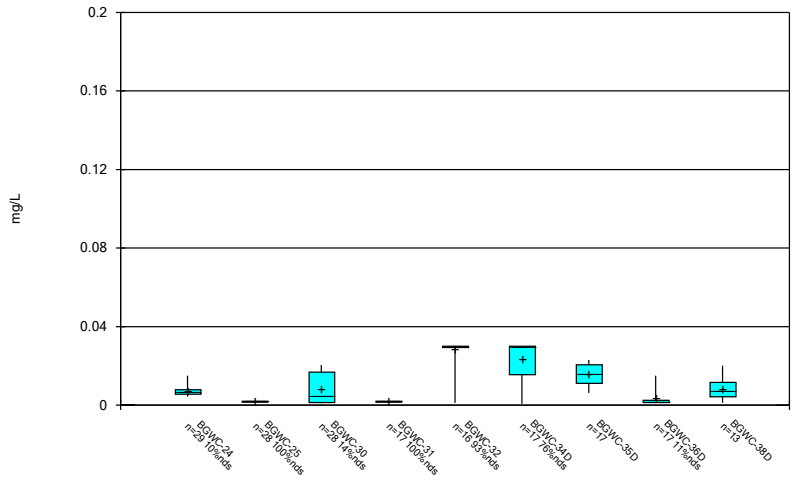
Box & Whiskers Plot



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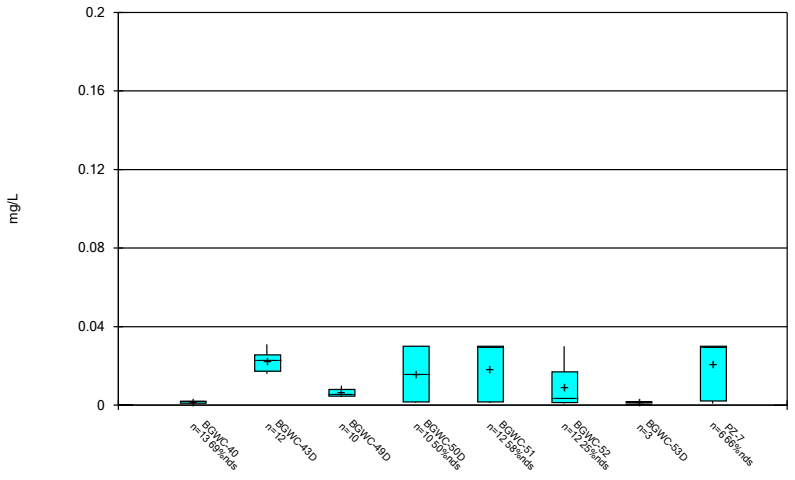
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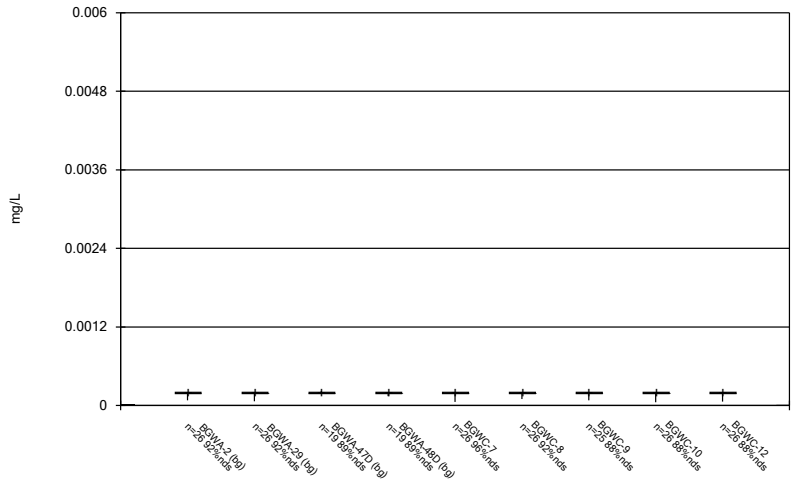
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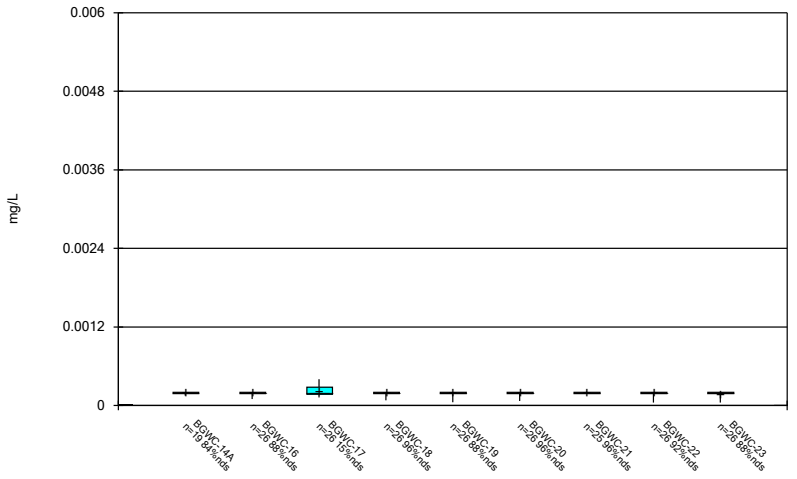
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

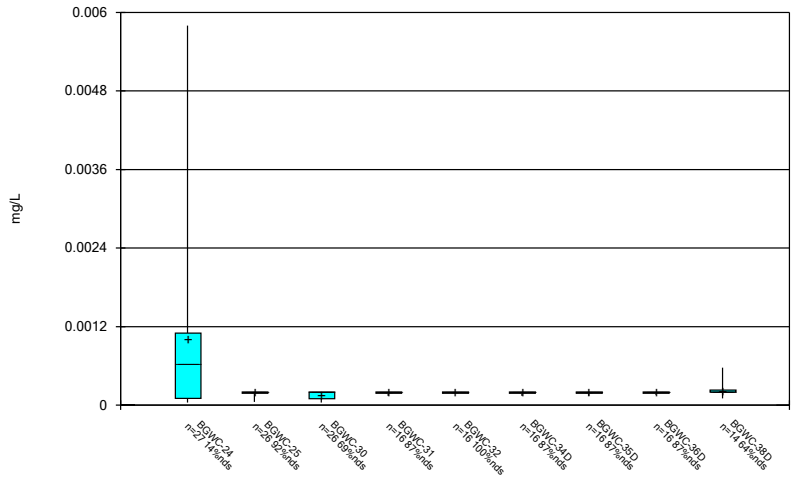
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

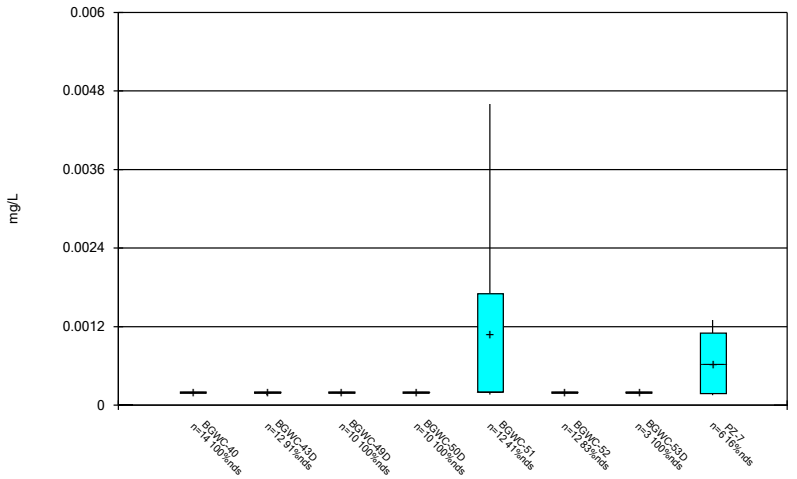
Box & Whiskers Plot



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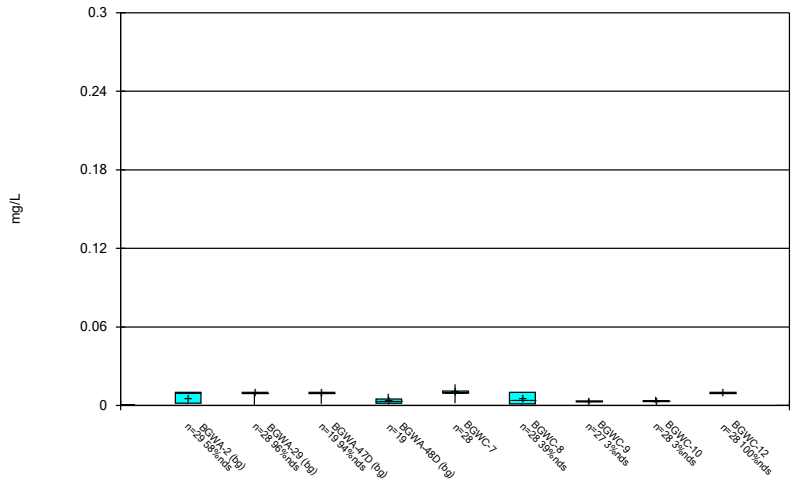
Box & Whiskers Plot



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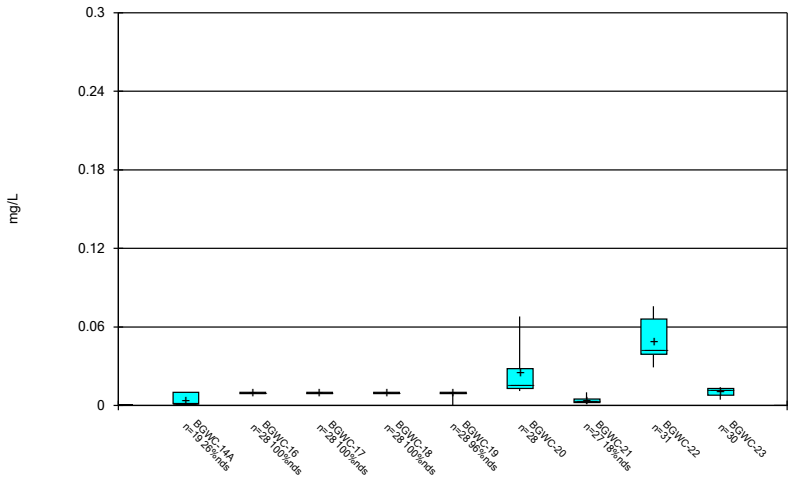
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

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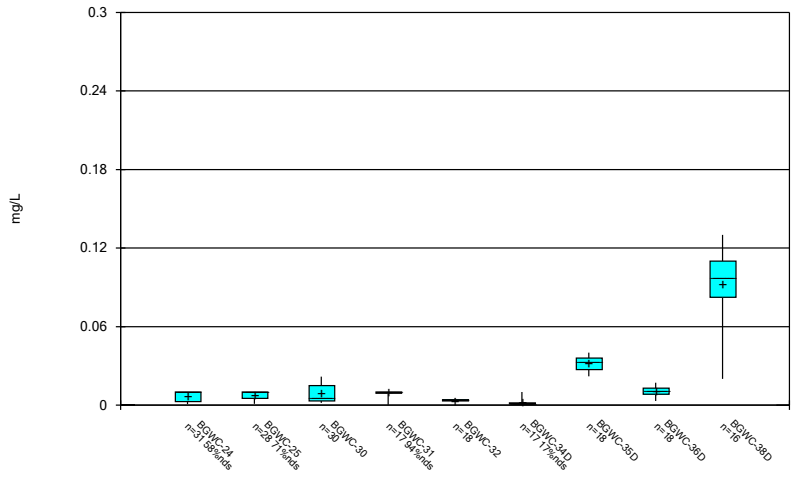
Box & Whiskers Plot



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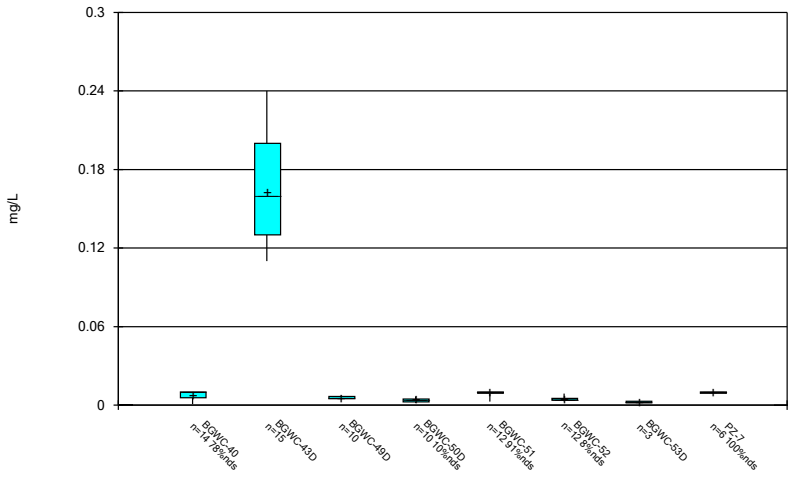
Box & Whiskers Plot



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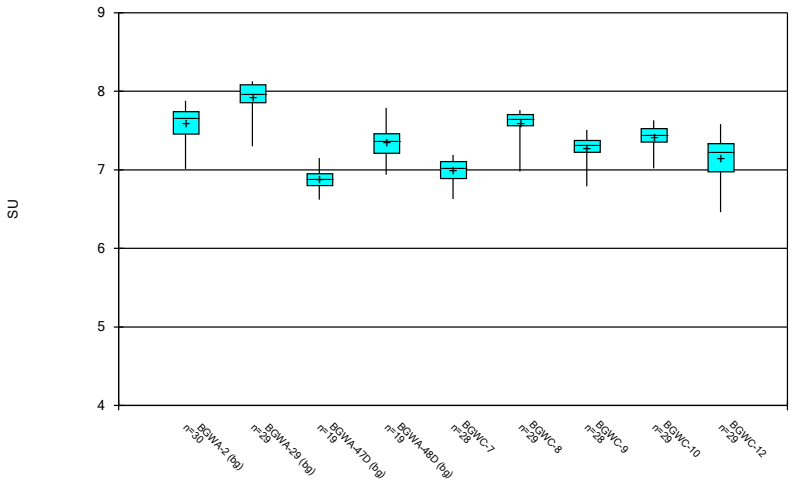
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

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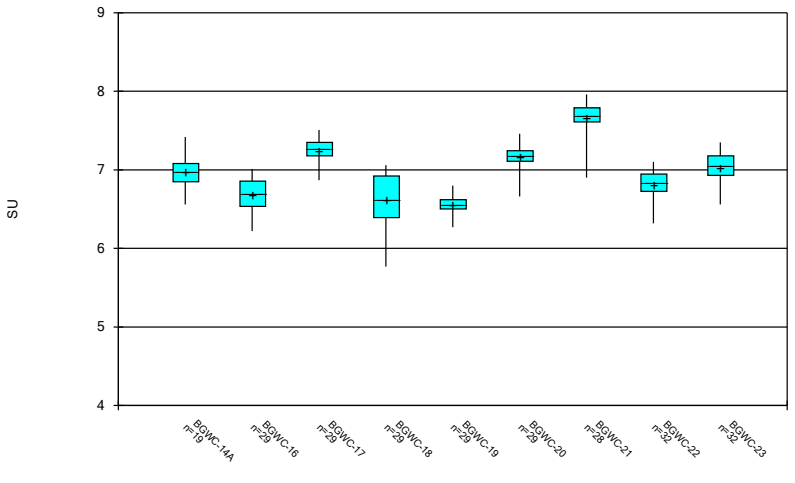
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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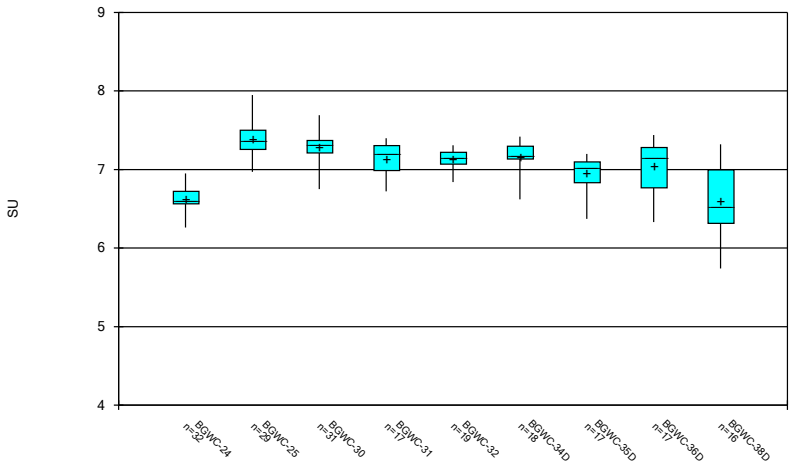
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

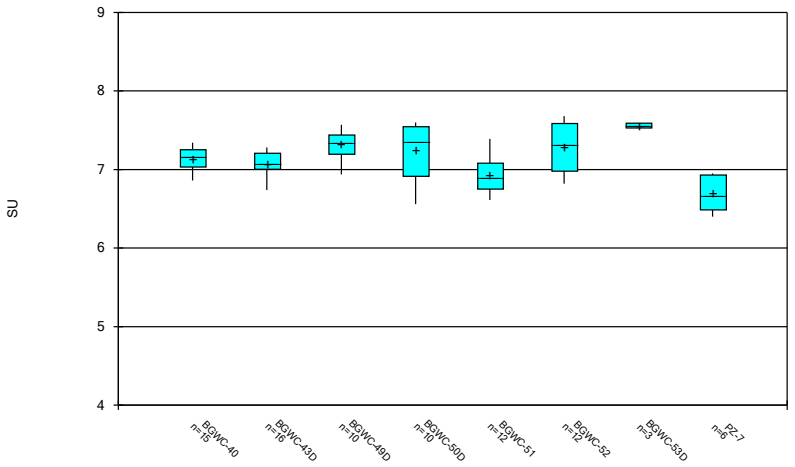
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 10/28/2025 2:05 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

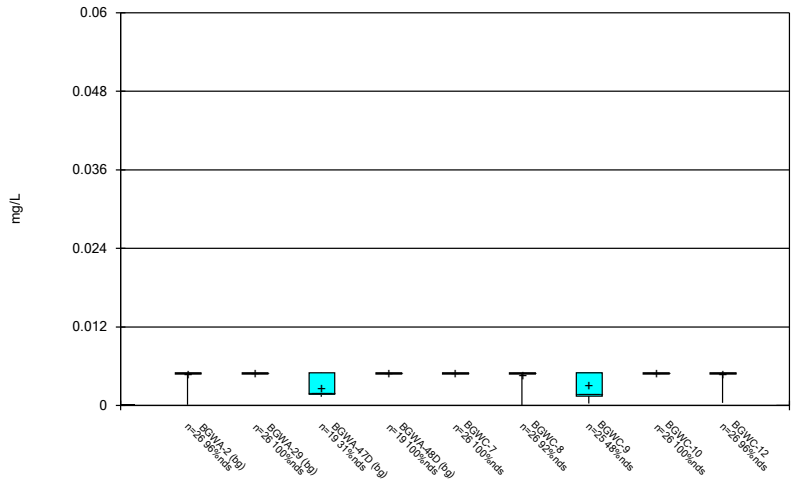
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 10/28/2025 2:05 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

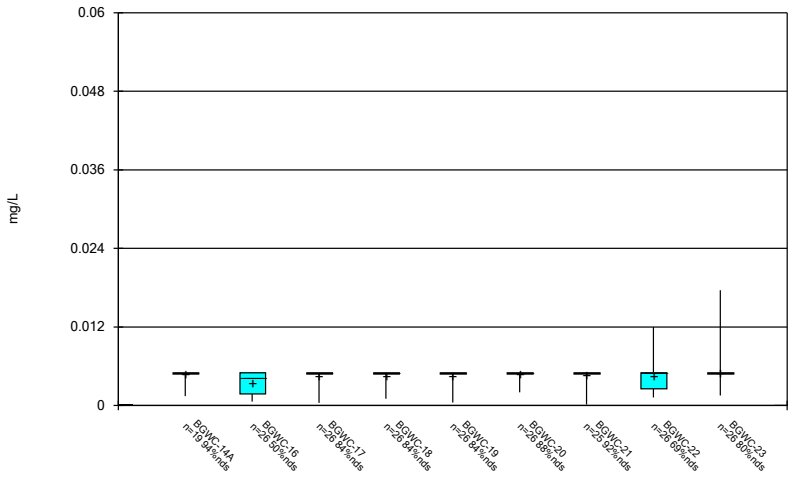
Box & Whiskers Plot



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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

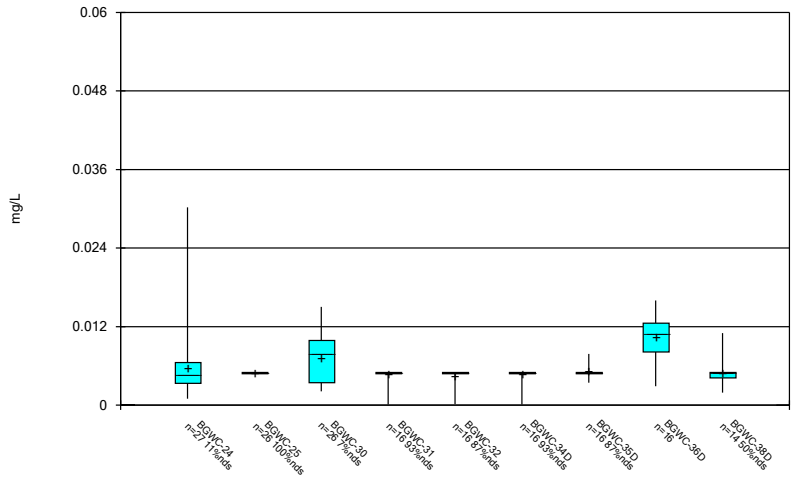
Box & Whiskers Plot



Constituent: Selenium Analysis Run 10/28/2025 2:05 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

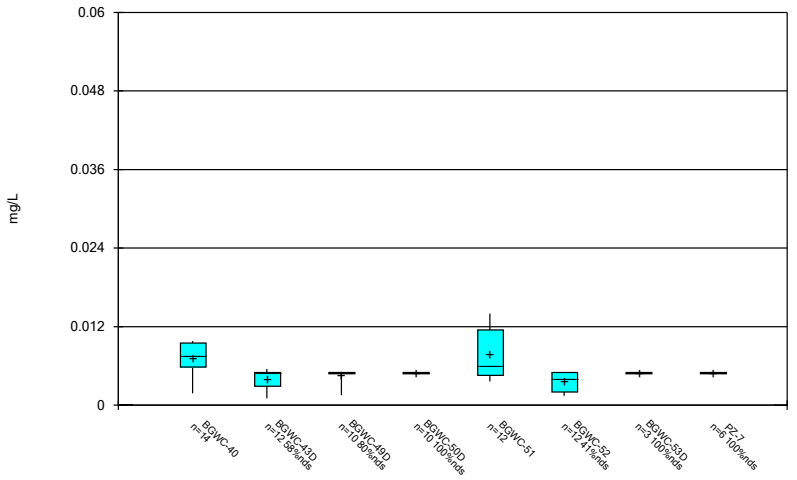
Box & Whiskers Plot



Constituent: Selenium Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

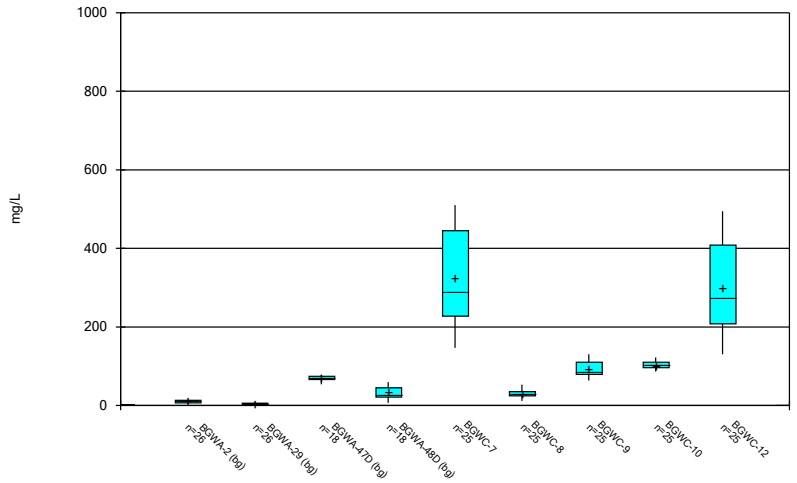
Box & Whiskers Plot



Constituent: Selenium Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

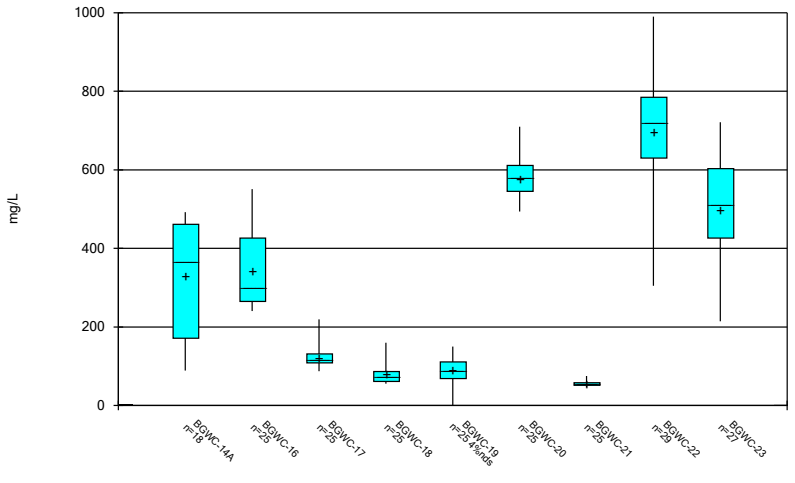
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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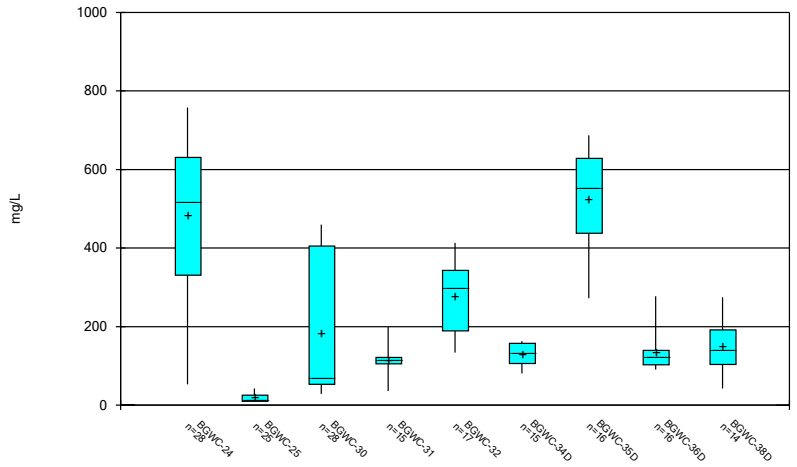
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/28/2025 2:05 PM View: Descriptive
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

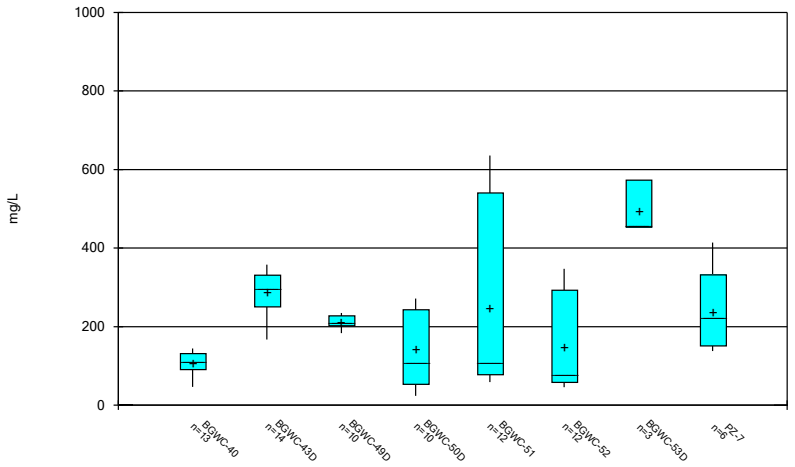
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/28/2025 2:05 PM View: Descriptive
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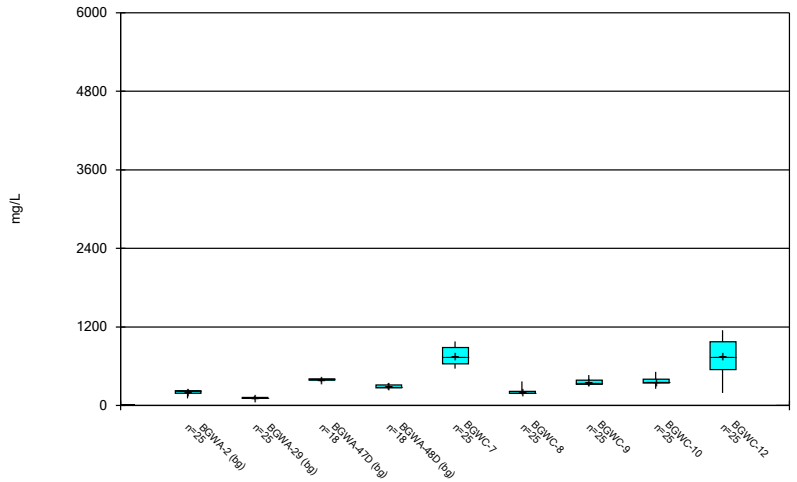
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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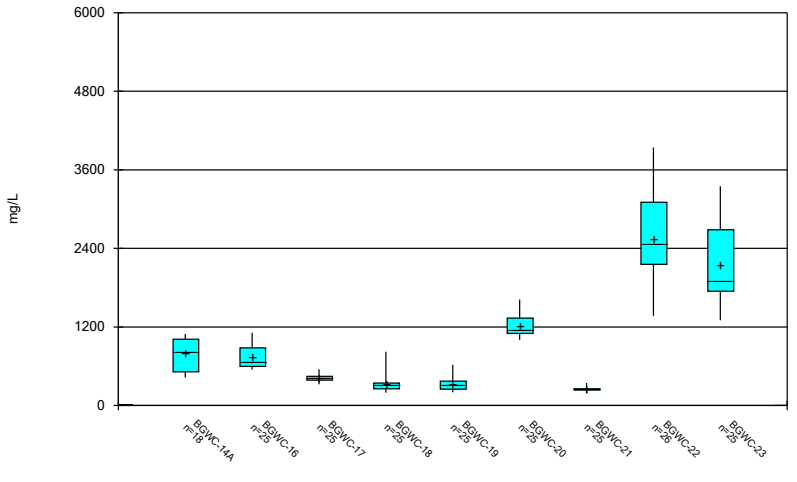
Box & Whiskers Plot



Constituent: TDS Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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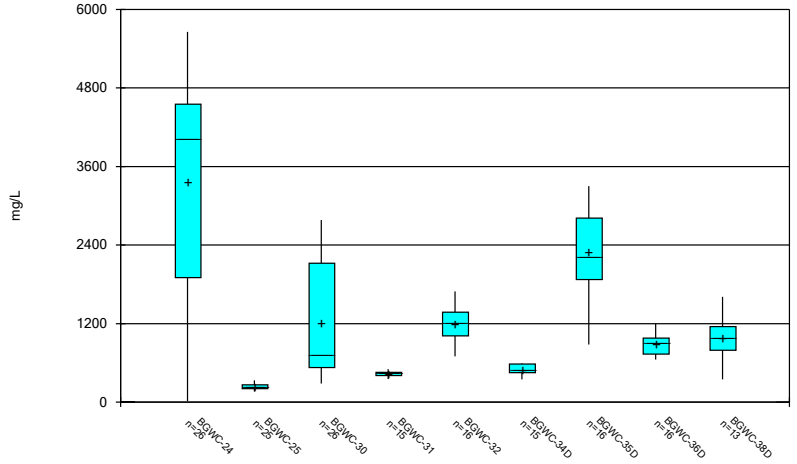
Box & Whiskers Plot



Constituent: TDS Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

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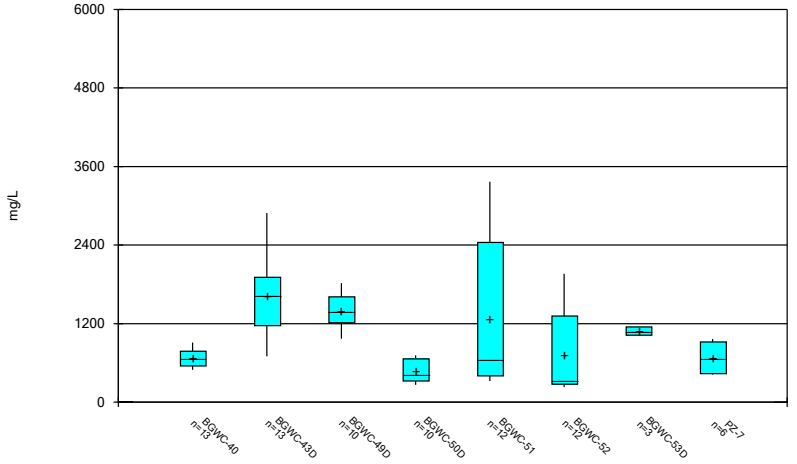
Box & Whiskers Plot



Constituent: TDS Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

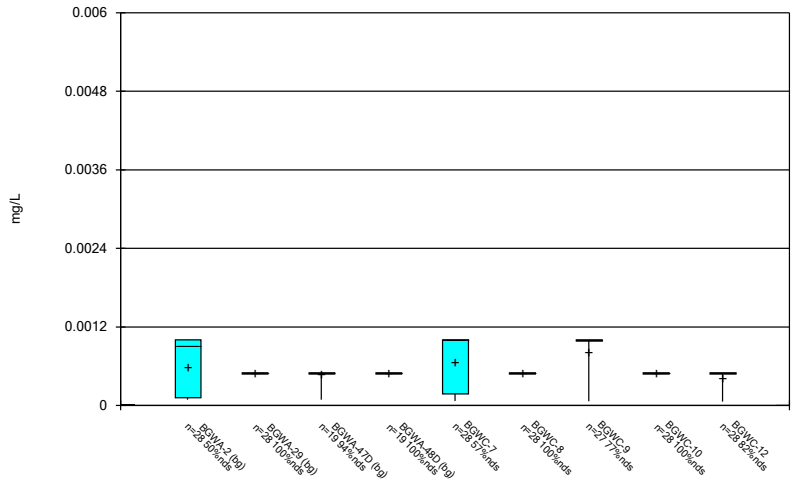
Box & Whiskers Plot



Constituent: TDS Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

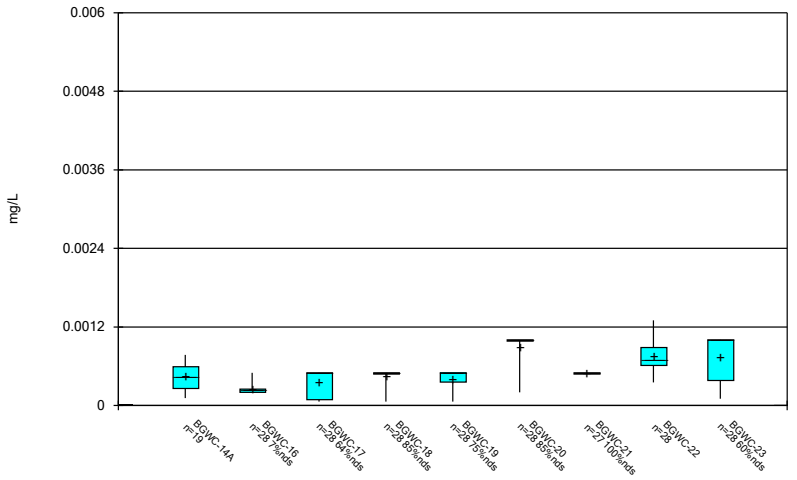
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

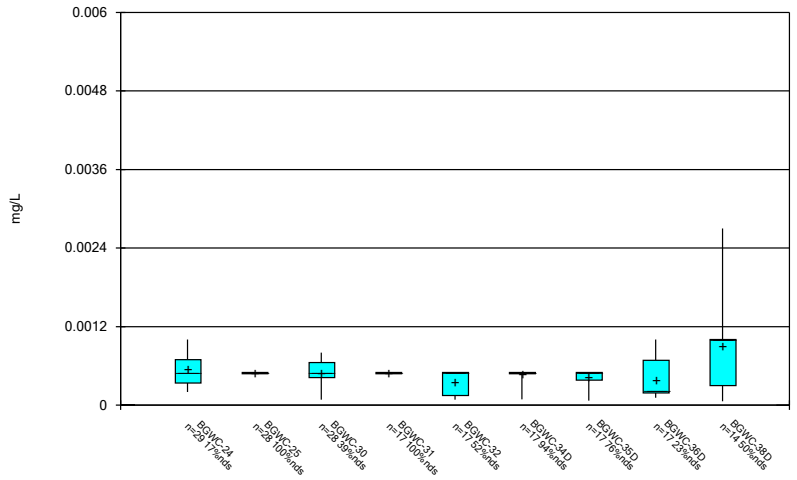
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

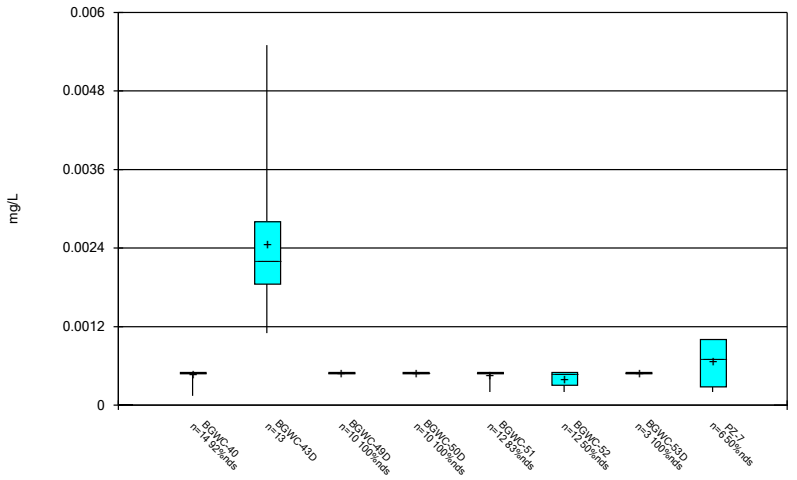
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/28/2025 2:05 PM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/25/2025, 11:06 AM

	BGWC-24 Antimony (mg/L)	BGWC-32 Lithium (mg/L)	BGWC-38D Lithium (mg/L)	BGWC-40 Lithium (mg/L)	BGWA-29 TDS (mg/L)
2/14/2017					345 (O)
2/16/2022		<0.15 (O)		<0.15 (O)	
8/2/2022	0.015 (O)				
8/21/2023			<0.15 (o)		

Tukey's Outlier Test - Pooled Upgradient Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 10:53 AM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**BGWA-2,BGWA-29,BG...**	**Yes**	**0.0004,0.0012,0.001,0.001,0.00096...**	**NP**	**NaN**	**86**	**0.001812**	**0.0005122**	**sqrt(x)**	**ShapiroFrancia**
Arsenic (mg/L)	**BGWA-2,BGWA-29,BG...**	**Yes**	**0.001,0.00075,0.00049,0.00095,0.0...**	**NP**	**NaN**	**94**	**0.002045**	**0.001312**	**ln(x)**	**ShapiroFrancia**
Fluoride (mg/L)	**BGWA-2,BGWA-29,BG...**	**Yes**	**0.01,0.005,0.57**	**NP**	**NaN**	**97**	**0.0932**	**0.05627**	**x^(1/3)**	**ShapiroFrancia**

Tukey's Outlier Test - Pooled Upgradient Wells - All Results

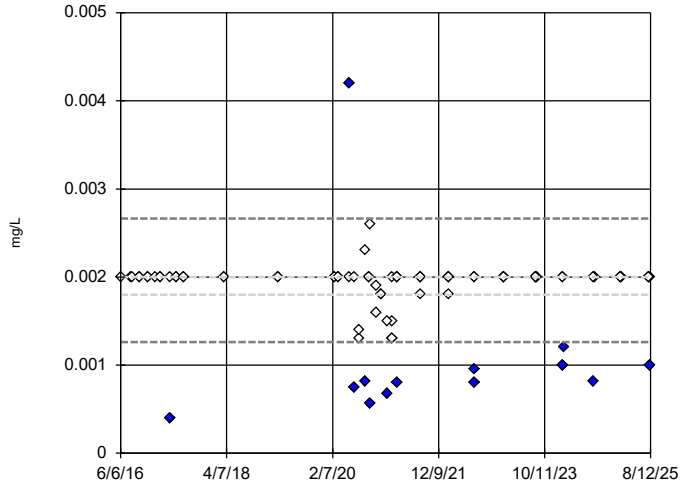
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 10:53 AM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	**BGWA-2,BGWA-29,BG...**	**Yes**	**0.0004,0.0012,0.001,0.001,0.00096...**	**NP**	**NaN**	**86**	**0.001812**	**0.0005122**	**sqrt(x)**	**ShapiroFrancia**
Arsenic (mg/L)	**BGWA-2,BGWA-29,BG...**	**Yes**	**0.001,0.00075,0.00049,0.00095,0.0...**	**NP**	**NaN**	**94**	**0.002045**	**0.001312**	**ln(x)**	**ShapiroFrancia**
Barium (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	94	0.07512	0.05918	x^(1/3)	ShapiroFrancia
Beryllium (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	90	0.0003962	0.00003616	unknown	ShapiroFrancia
Boron (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	88	0.02192	0.01212	x^(1/3)	ShapiroFrancia
Cadmium (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	94	0.0004922	0.00005336	unknown	ShapiroFrancia
Calcium (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	88	50.03	31.57	ln(x)	ShapiroFrancia
Chloride (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	88	3.786	2.116	sqrt(x)	ShapiroFrancia
Chromium (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	90	0.003778	0.001943	ln(x)	ShapiroFrancia
Cobalt (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	95	0.00471	0.001124	unknown	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	94	0.7945	0.4302	sqrt(x)	ShapiroFrancia
Fluoride (mg/L)	**BGWA-2,BGWA-29,BG...**	**Yes**	**0.01,0.005,0.57**	**NP**	**NaN**	**97**	**0.0932**	**0.05627**	**x^(1/3)**	**ShapiroFrancia**
Lead (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	90	0.0007691	0.0004362	x^(1/3)	ShapiroFrancia
Lithium (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	94	0.001788	0.0004356	unknown	ShapiroFrancia
Mercury (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	90	0.0001956	0.00002177	unknown	ShapiroFrancia
Molybdenum (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	95	0.007518	0.003647	x^(1/3)	ShapiroFrancia
pH, Field (SU)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	97	7.508	0.415	x^5	ShapiroFrancia
Selenium (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	90	0.004483	0.001227	unknown	ShapiroFrancia
Sulfate (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	88	24.74	25.67	ln(x)	ShapiroFrancia
TDS (mg/L)	BGWA-2,BGWA-29,BG...	No	n/a	NP	NaN	87	236.5	105.5	sqrt(x)	ShapiroFrancia
Thallium (mg/L)	BGWA-2,BGWA-29,BG...	n/a	n/a	NP	NaN	94	0.0004494	0.0001367	unknown	ShapiroFrancia

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 86

Outliers are drawn as solid.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

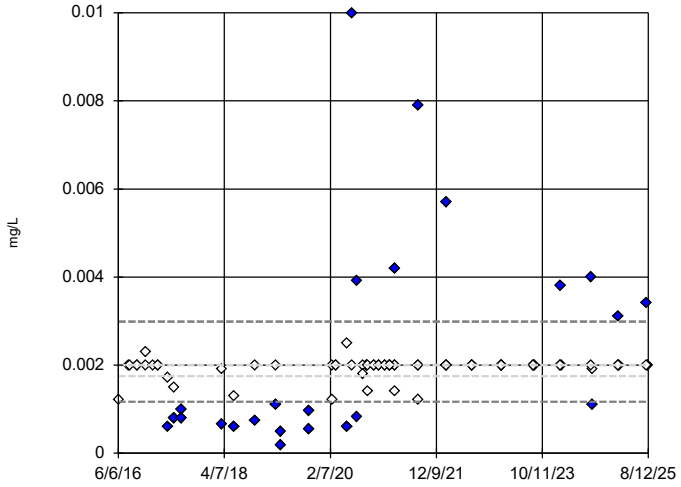
High cutoff = 0.002663, low cutoff = 0.001263, based on IQR multiplier of 3.

Constituent: Antimony Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 94

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

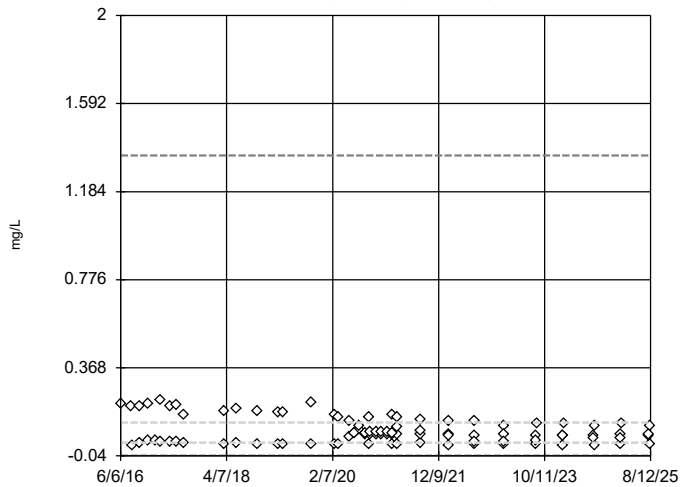
High cutoff = 0.002989, low cutoff = 0.00117, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 94

No outliers found.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

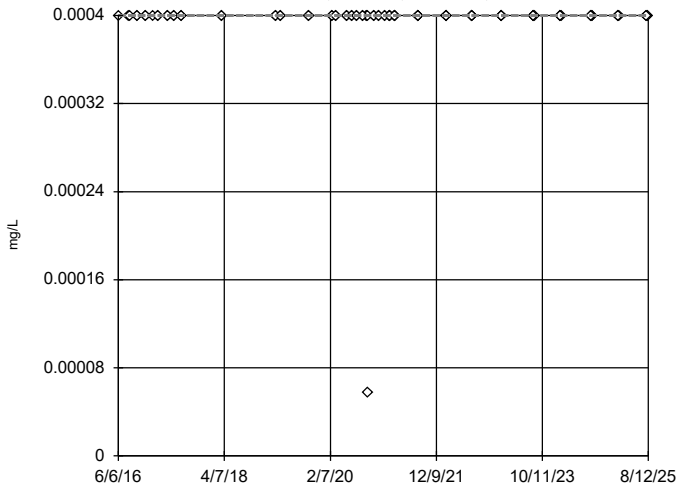
High cutoff = 1.352, low cutoff = -0.03925, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 90

No outliers found.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

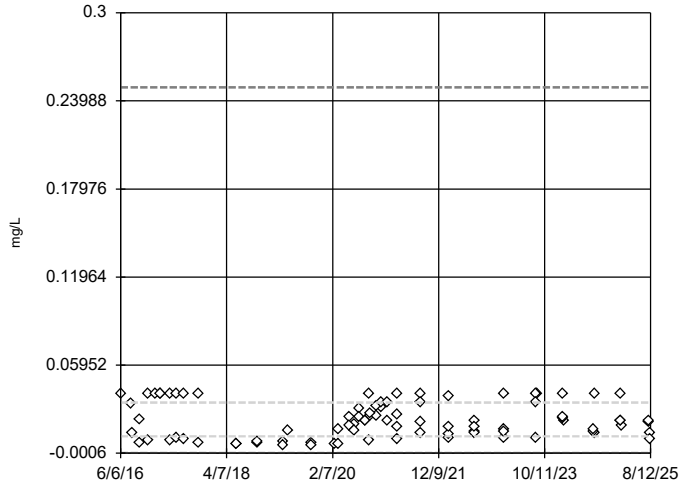
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 88

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2492, low cutoff = -0.0005741, based on IQR multiplier of 3.

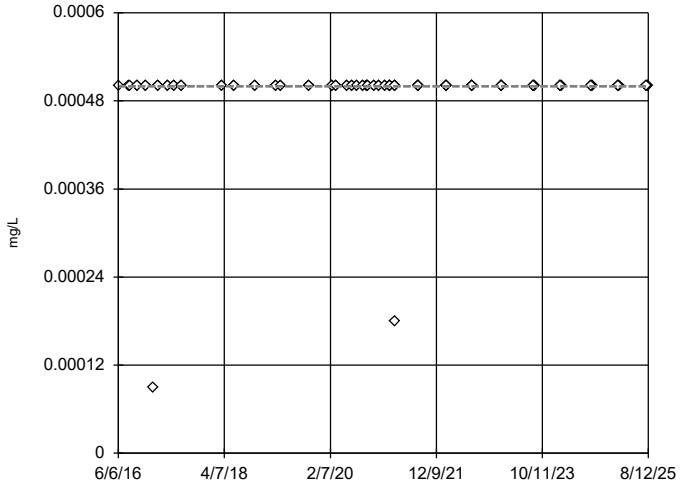
Constituent: Boron Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 94

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

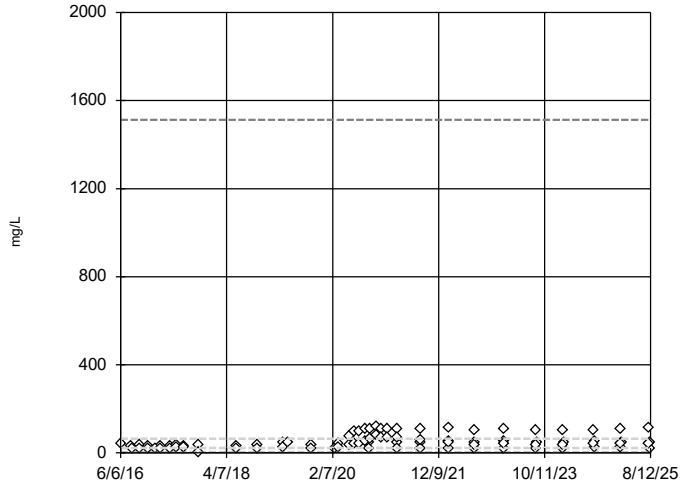
Constituent: Cadmium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 88

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1513, low cutoff = 0.9658, based on IQR multiplier of 3.

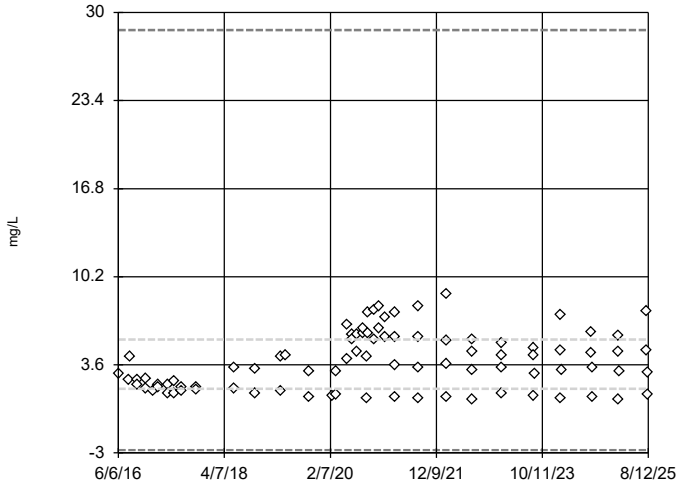
Constituent: Calcium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 88

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 28.69, low cutoff = -2.786, based on IQR multiplier of 3.

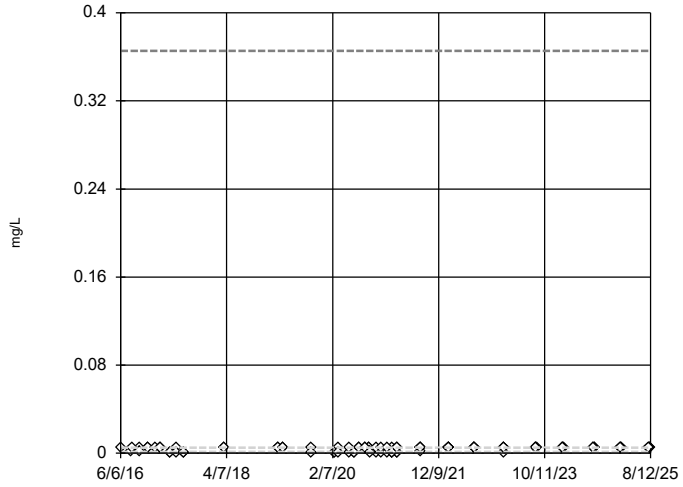
Constituent: Chloride Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 90

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

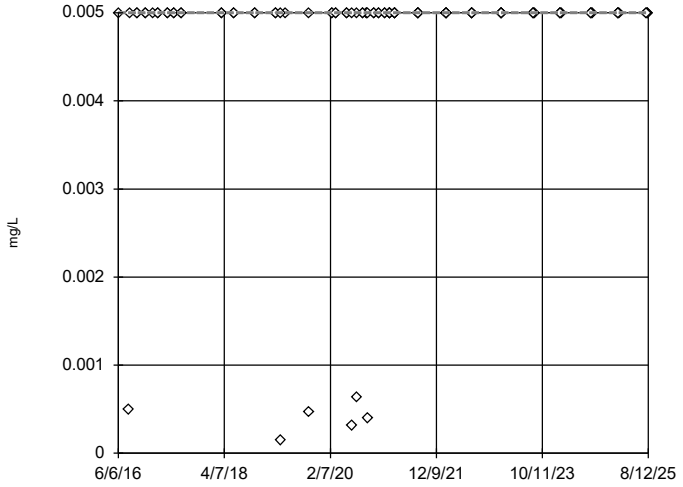
High cutoff = 0.3655, low cutoff = 0.00001636, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 95

No outliers found.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

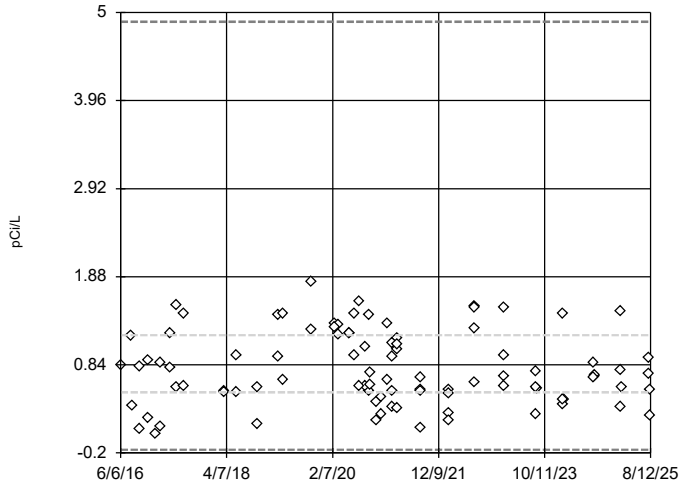
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 94

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

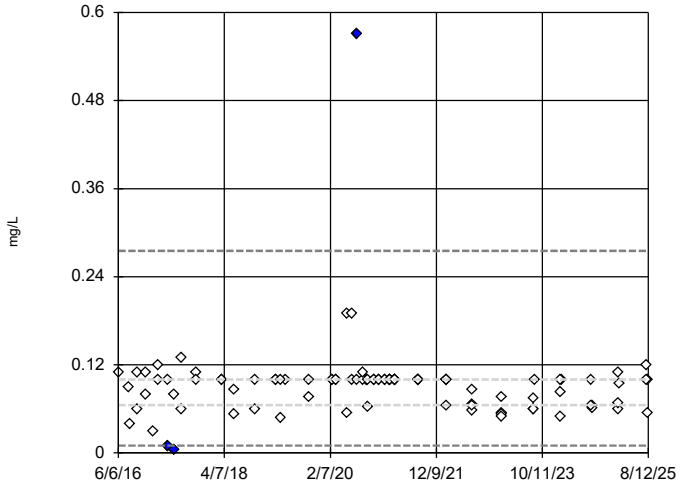
High cutoff = 4.891, low cutoff = -0.1628, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 97

Outliers are drawn as solid.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

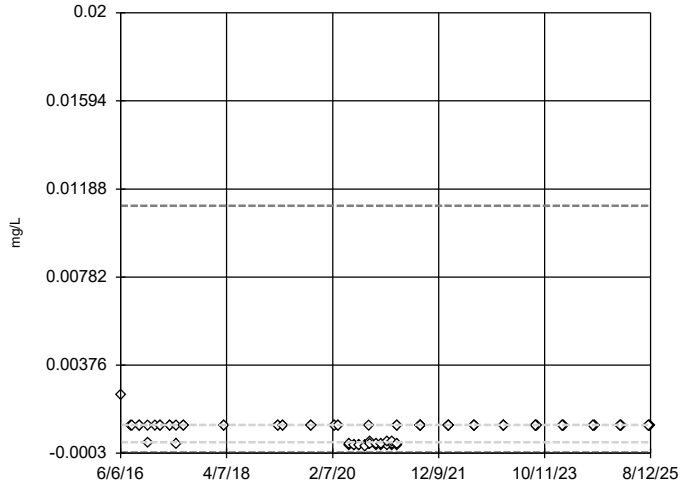
High cutoff = 0.2752, low cutoff = 0.01005, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 90

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01111, low cutoff = -0.0002641, based on IQR multiplier of 3.

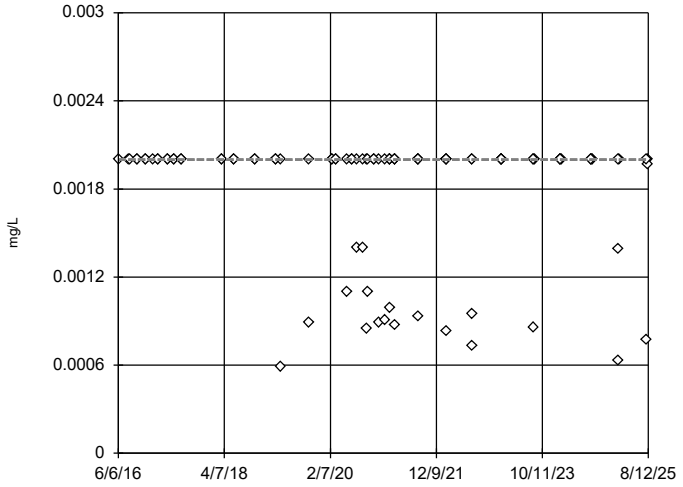
Constituent: Lead Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 94

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

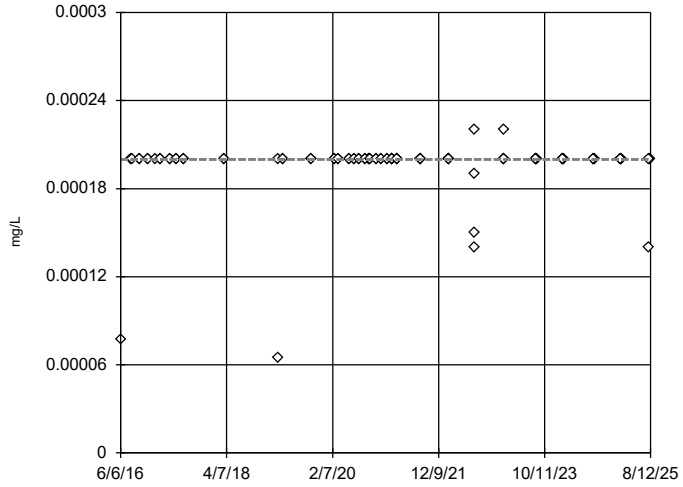
Constituent: Lithium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 90

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

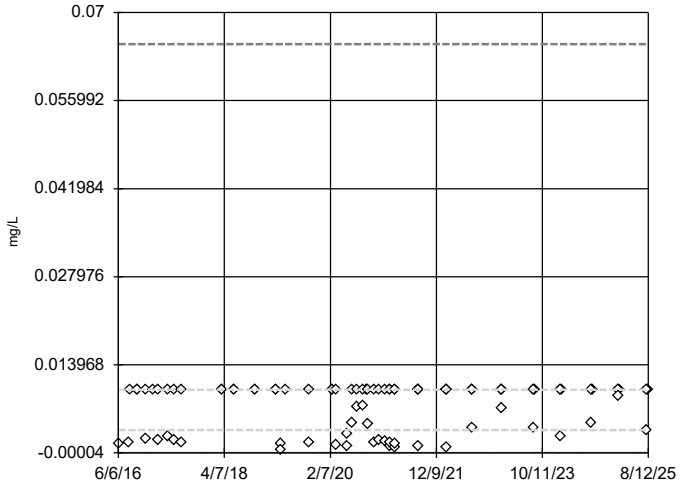
Constituent: Mercury Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 95

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.06496, low cutoff = -0.00003687, based on IQR multiplier of 3.

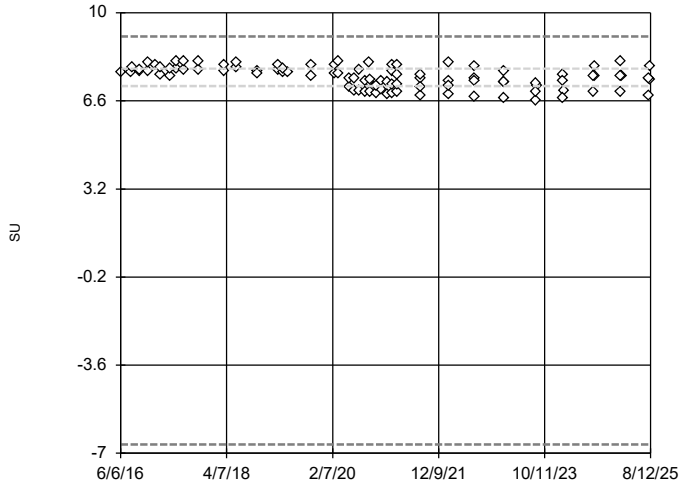
Constituent: Molybdenum Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 97

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 9.083, low cutoff = -6.658, based on IQR multiplier of 3.

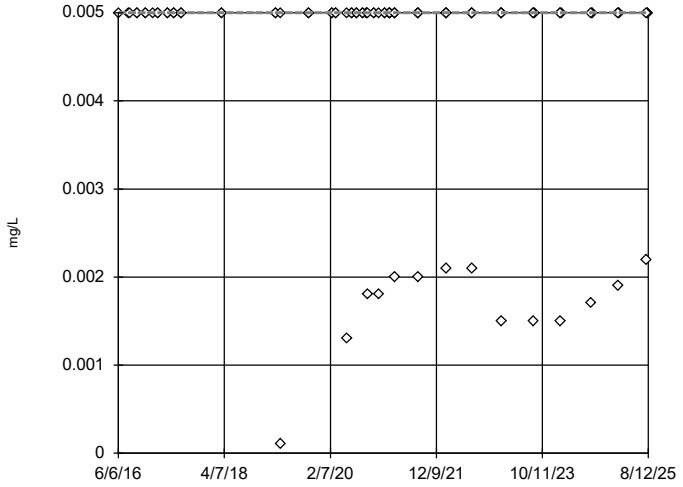
Constituent: pH, Field Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 90

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

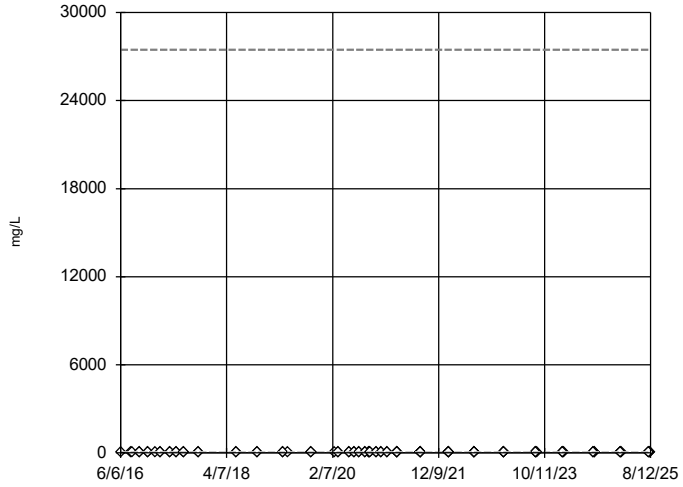
Constituent: Selenium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 88

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 27459, low cutoff = 0.008536, based on IQR multiplier of 3.

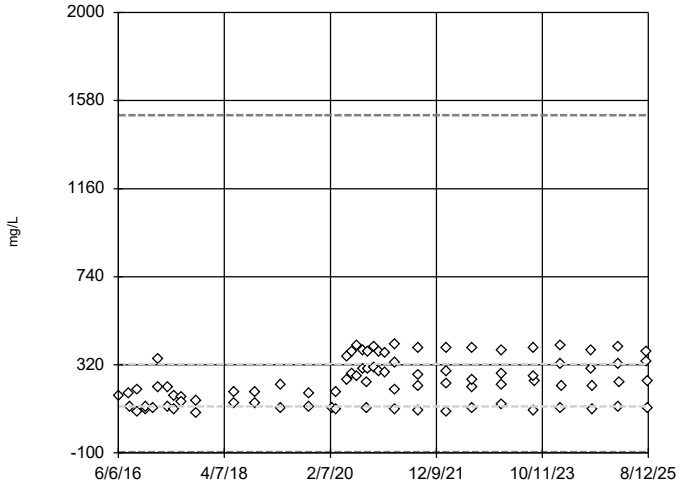
Constituent: Sulfate Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 87

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1510, low cutoff = -96.4, based on IQR multiplier of 3.

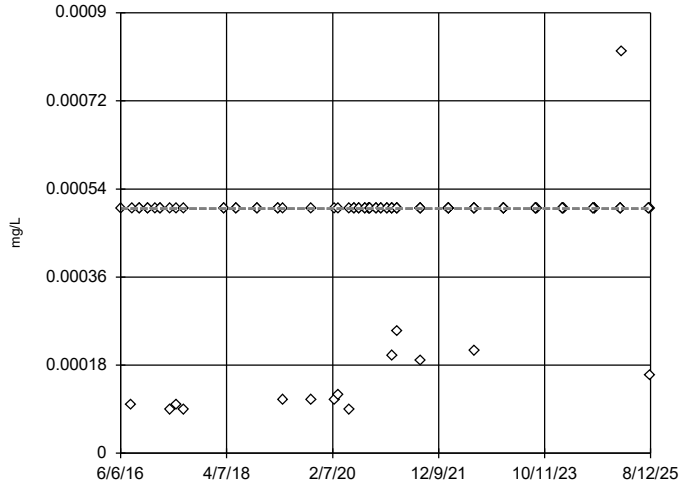
Constituent: TDS Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tukey's Outlier Screening, Pooled Background

BGWA-2,BGWA-29,BGWA-47D,BGWA-48D



n = 94

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 9/16/2025 10:51 AM View: Upgradient Outliers

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE D.

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:18 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BGWA-2 (bg)**	**2.45**	**212**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.09485**	**-200**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3306**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-2 (bg)**	**-0.04727**	**-223**	**-146**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-47D (bg)**	**-0.07964**	**-92**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.076**	**242**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.3887**	**-133**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWA-2 (bg)**	**7.289**	**168**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

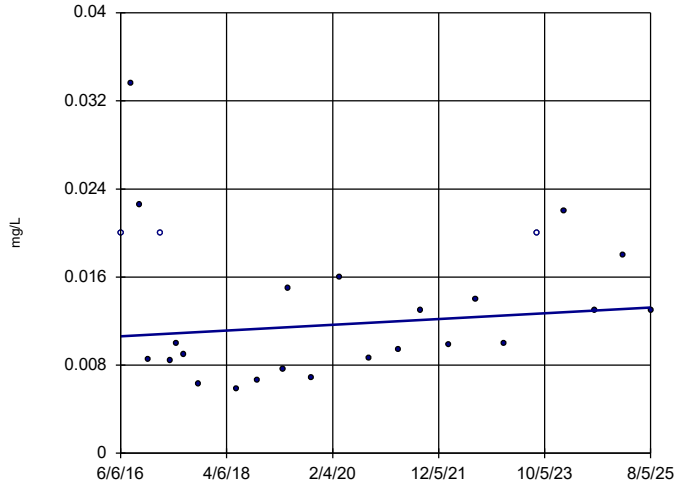
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:19 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	0.0002862	32	118	No	26	11.54	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	16	118	No	26	57.69	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.0008838	-36	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	-0.0003991	-10	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BGWA-2 (bg)**	**2.45**	**212**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWA-29 (bg)	0.03279	20	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	0.8639	23	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-1.03	-15	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.08983	80	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.09485**	**-200**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3306**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-48D (bg)	0.1124	17	68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-2 (bg)	-0.001924	-140	-146	No	30	40	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-29 (bg)	0	68	139	No	29	55.17	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-47D (bg)	0	-32	-74	No	19	68.42	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01003	-58	-74	No	19	31.58	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWA-2 (bg)**	**-0.04727**	**-223**	**-146**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-29 (bg)	-0.00856	-32	-139	No	29	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWA-47D (bg)**	**-0.07964**	**-92**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-48D (bg)	-0.0211	-10	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.076**	**242**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.3887**	**-133**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWA-47D (bg)	-0.06628	-4	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	2.359	15	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWA-2 (bg)**	**7.289**	**168**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWA-29 (bg)	-1.105	-50	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-47D (bg)	3.024	26	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-48D (bg)	6.898	41	68	No	18	0	n/a	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0.0002862 units per year.

Mann-Kendall statistic = 32
critical = 118

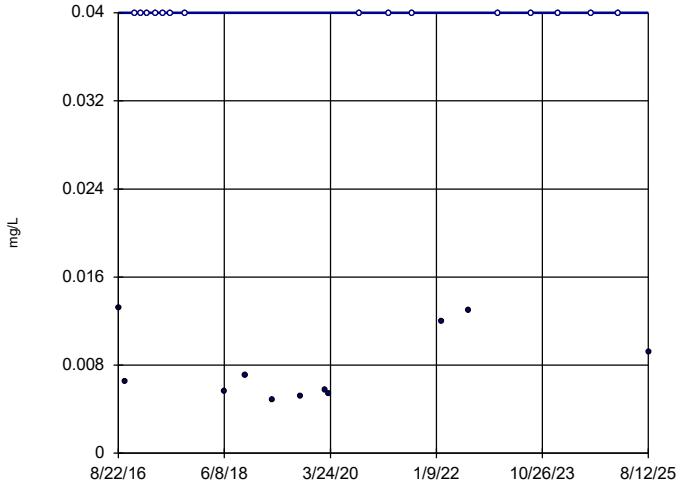
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 11:16 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 118

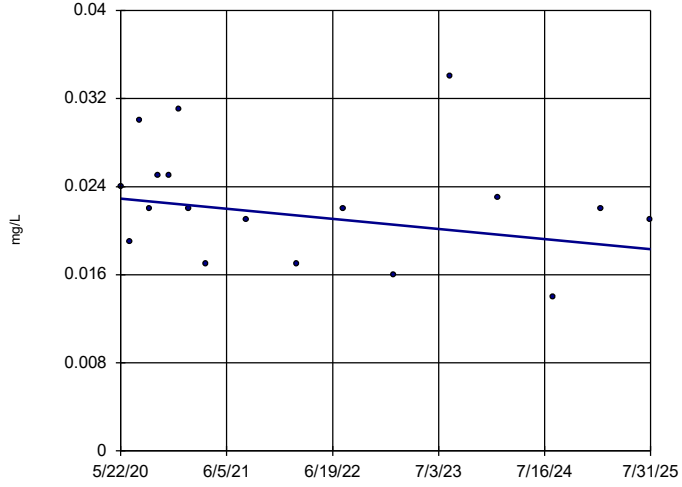
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 11:16 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.0008838 units per year.

Mann-Kendall statistic = -36
critical = -68

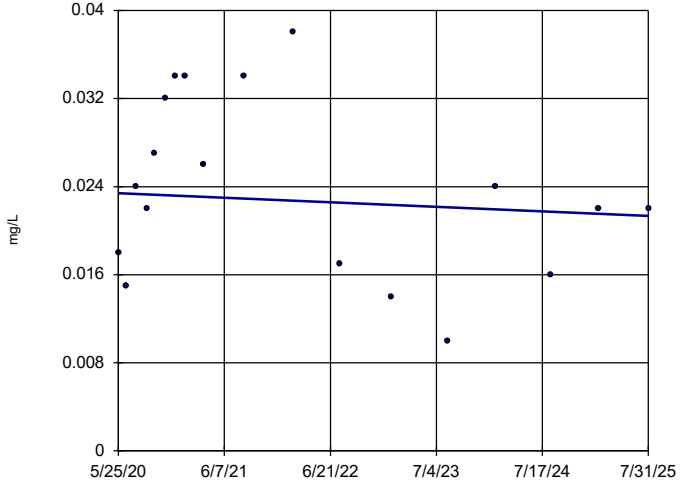
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 11:16 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = -0.0003991 units per year.

Mann-Kendall statistic = -10
critical = -68

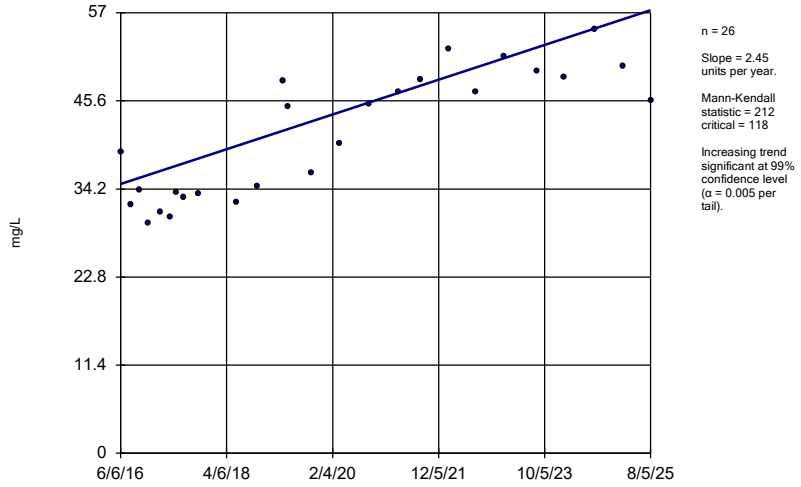
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 11:16 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 2.45 units per year.

Mann-Kendall statistic = 212 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

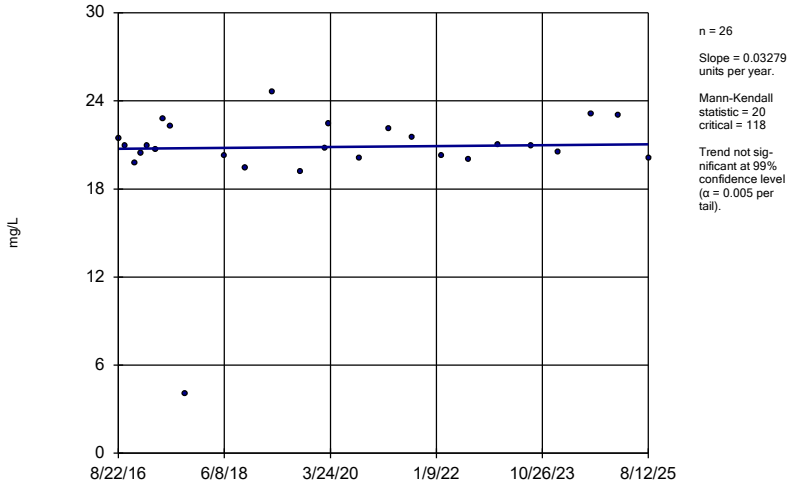
Constituent: Calcium Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0.03279 units per year.

Mann-Kendall statistic = 20 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

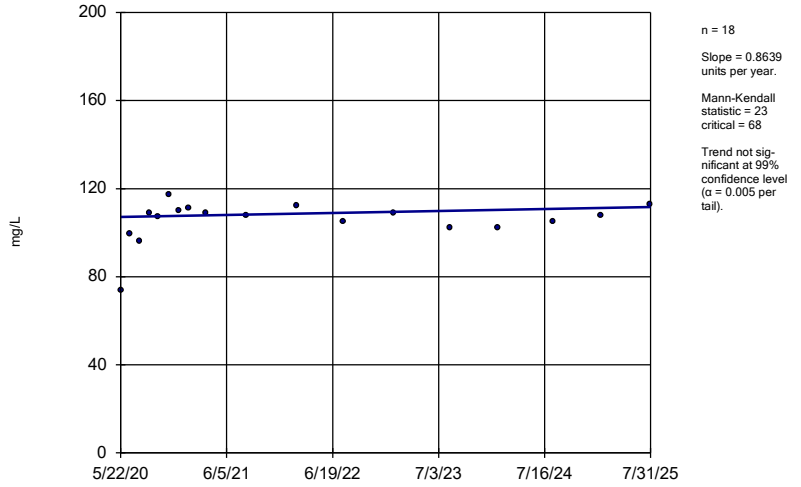
Constituent: Calcium Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 0.8639 units per year.

Mann-Kendall statistic = 23 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

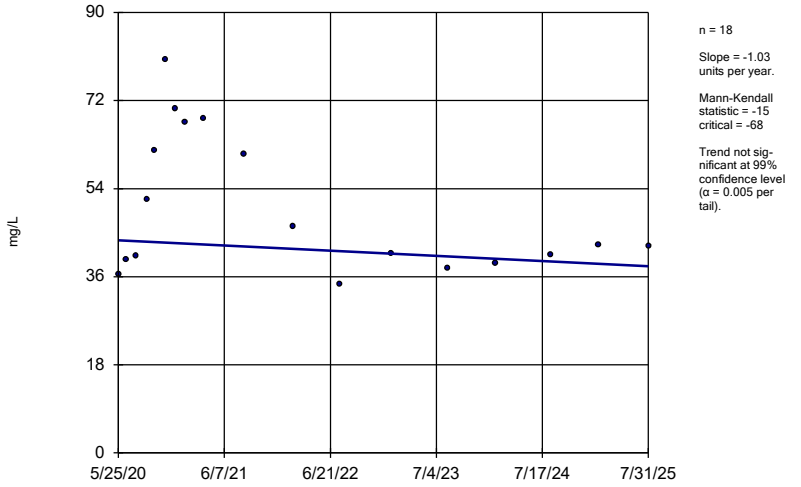
Constituent: Calcium Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = -1.03 units per year.

Mann-Kendall statistic = -15 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

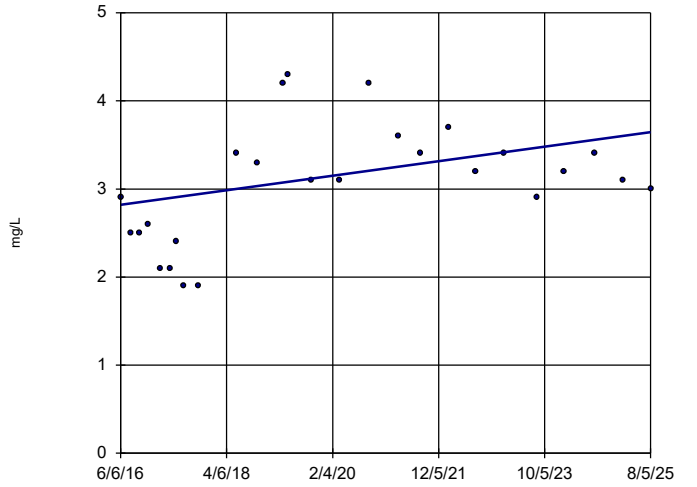
Constituent: Calcium Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0.08983 units per year.

Mann-Kendall statistic = 80
critical = 118

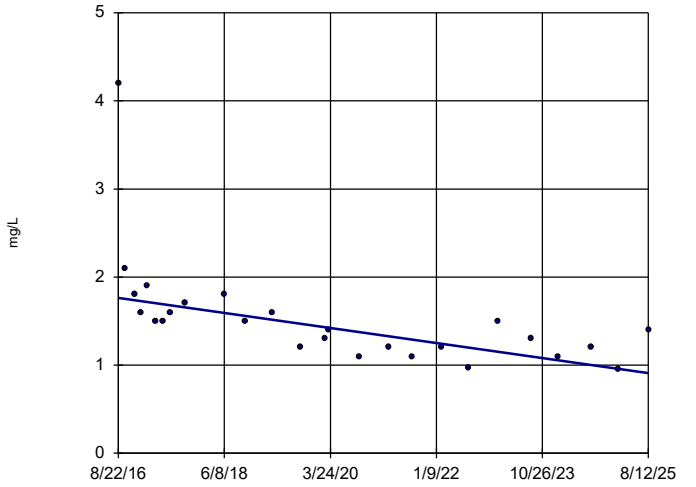
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = -0.09485 units per year.

Mann-Kendall statistic = -200
critical = -118

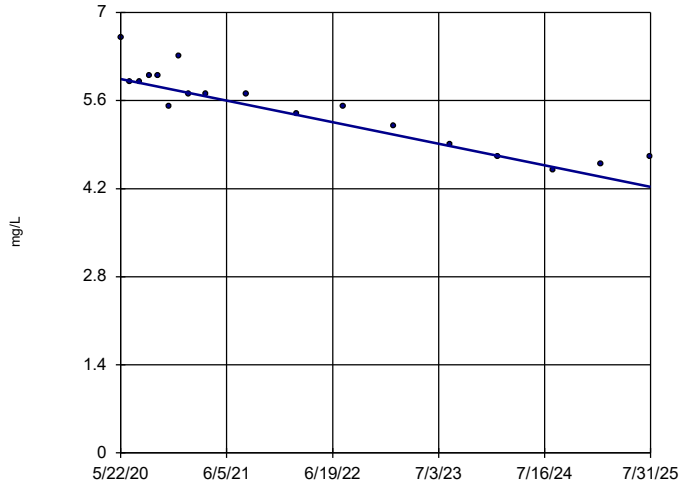
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.3306 units per year.

Mann-Kendall statistic = -114
critical = -68

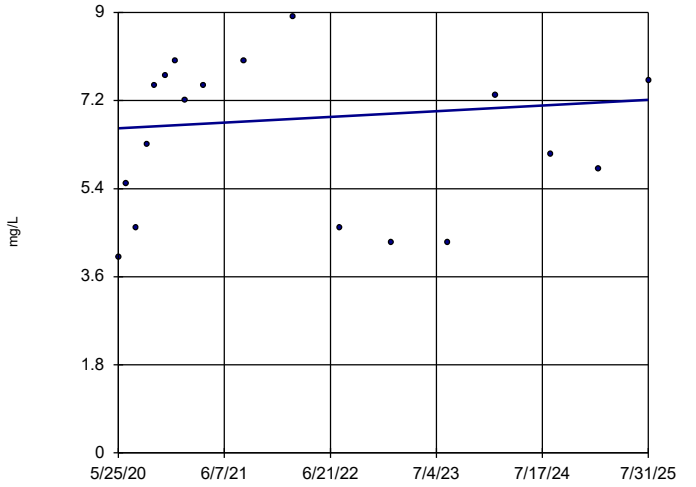
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 0.1124 units per year.

Mann-Kendall statistic = 17
critical = 68

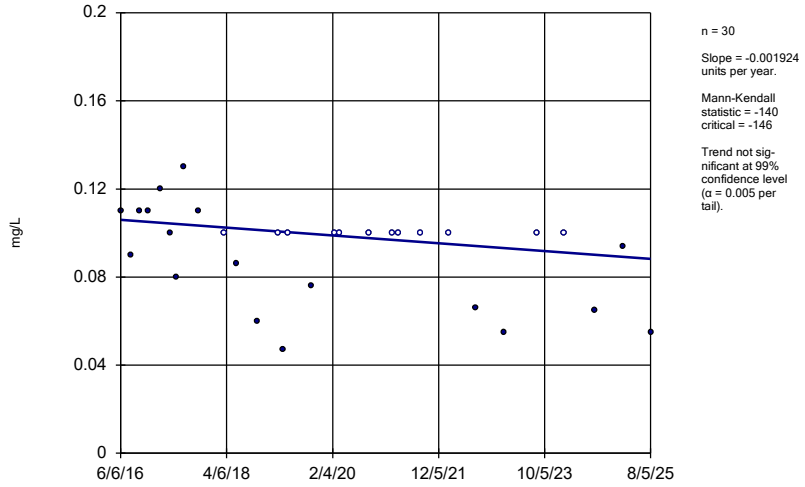
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 30

Slope = -0.001924 units per year.

Mann-Kendall statistic = -140
critical = -146

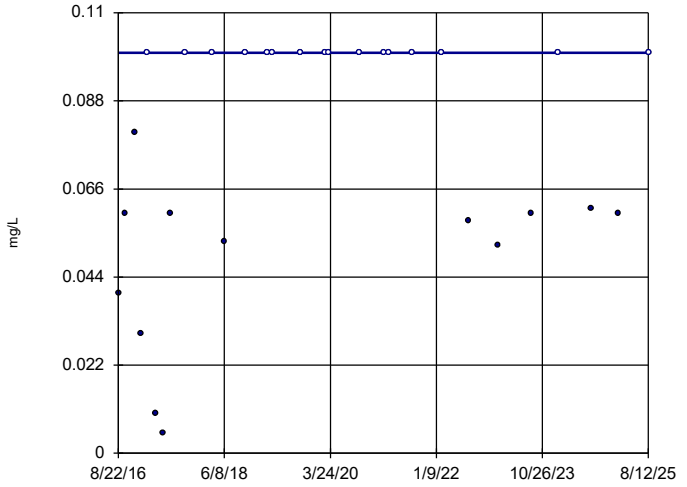
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 68
critical = 139

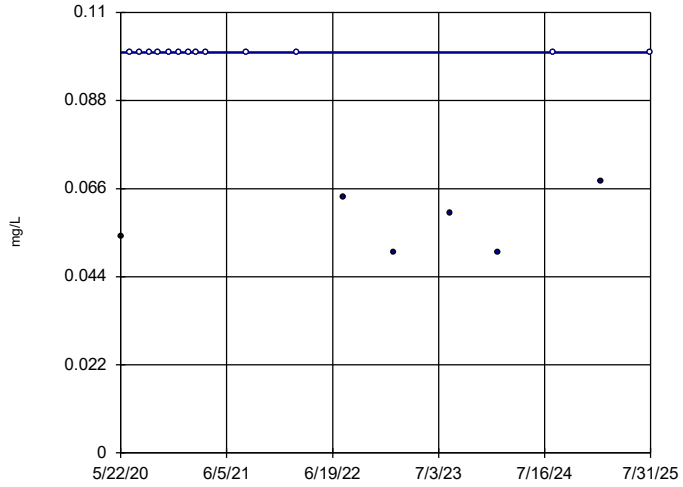
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -32
critical = -74

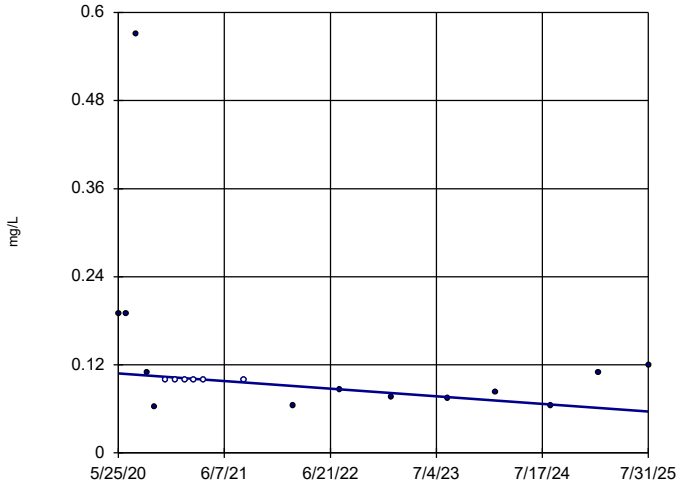
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.01003 units per year.

Mann-Kendall statistic = -58
critical = -74

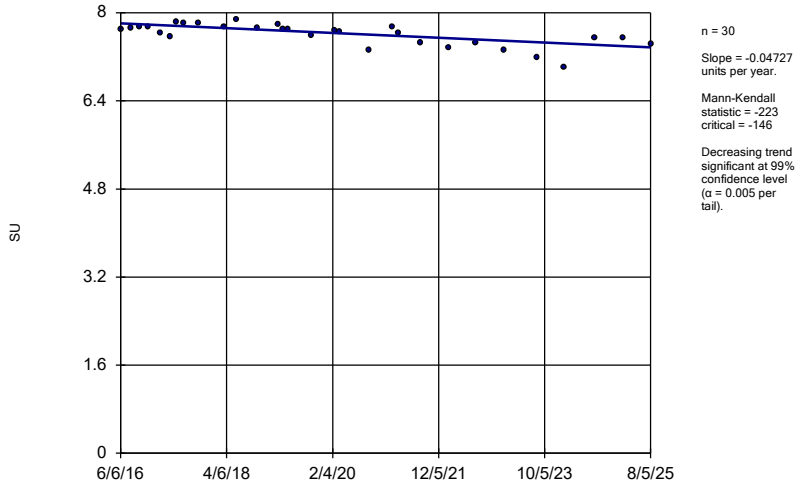
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 30

Slope = -0.04727 units per year.

Mann-Kendall statistic = -223 critical = -146

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

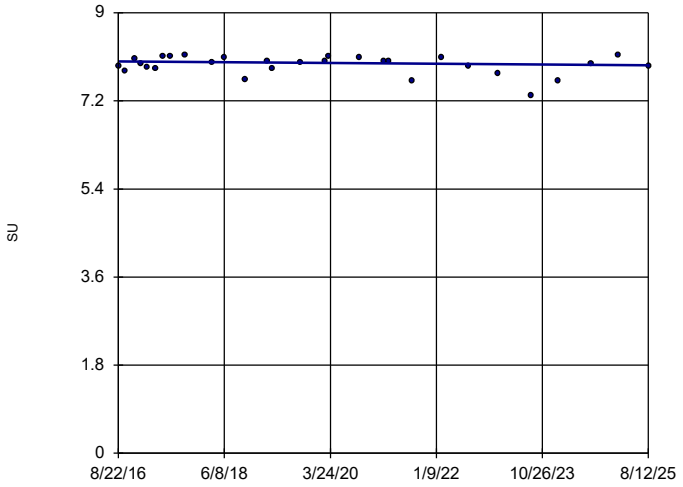
Constituent: pH, Field Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 29

Slope = -0.00856 units per year.

Mann-Kendall statistic = -32 critical = -139

Trend not significant at 99% confidence level (α = 0.005 per tail).

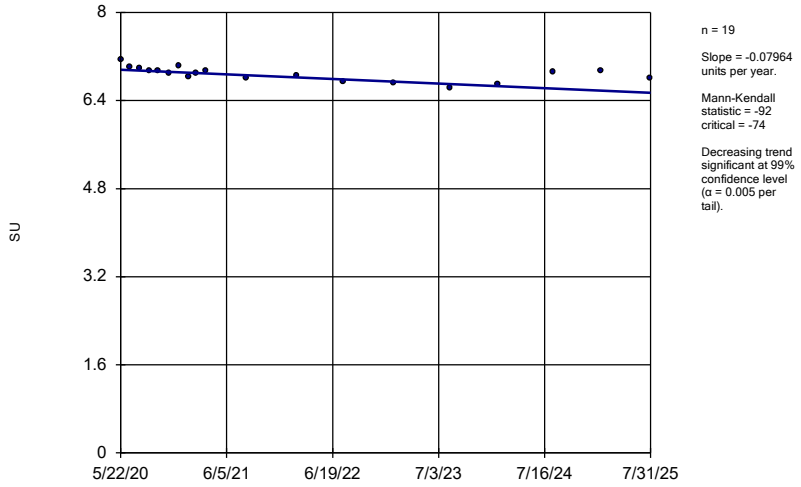
Constituent: pH, Field Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = -0.07964 units per year.

Mann-Kendall statistic = -92 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

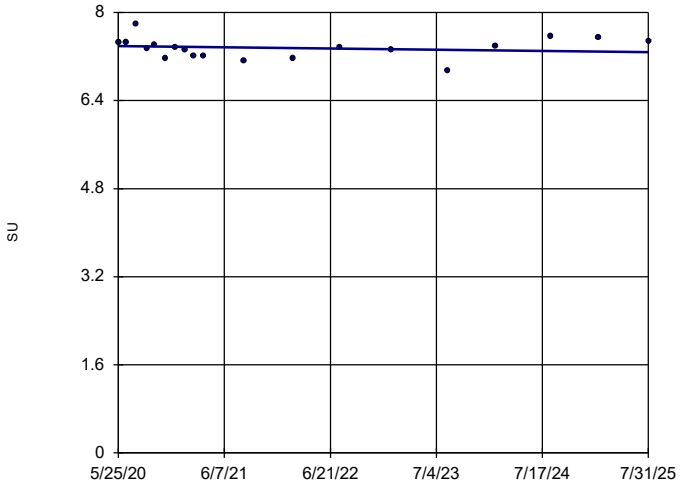
Constituent: pH, Field Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.0211 units per year.

Mann-Kendall statistic = -10 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

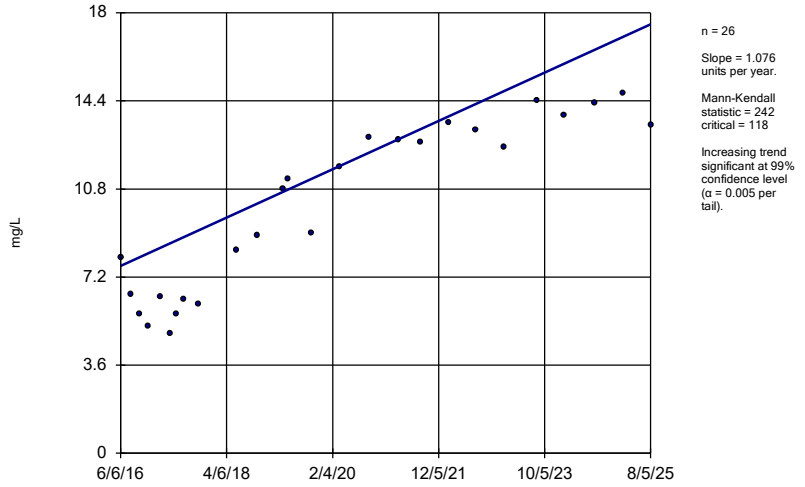
Constituent: pH, Field Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 1.076 units per year.

Mann-Kendall statistic = 242
critical = 118

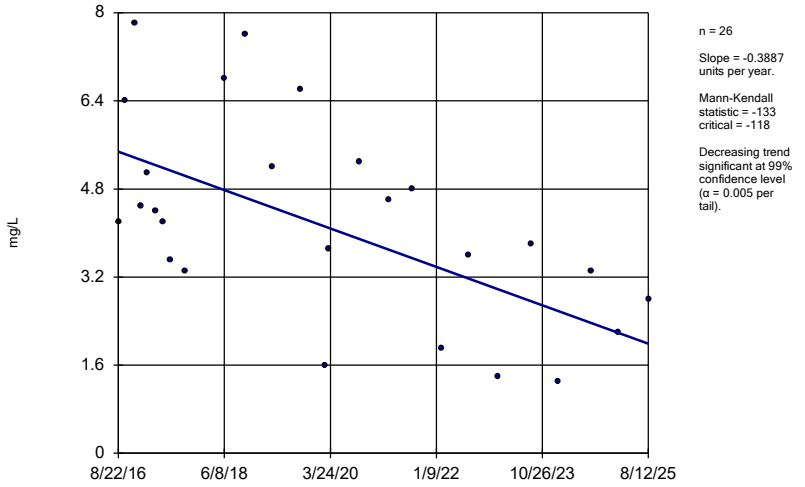
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = -0.3887 units per year.

Mann-Kendall statistic = -133
critical = -118

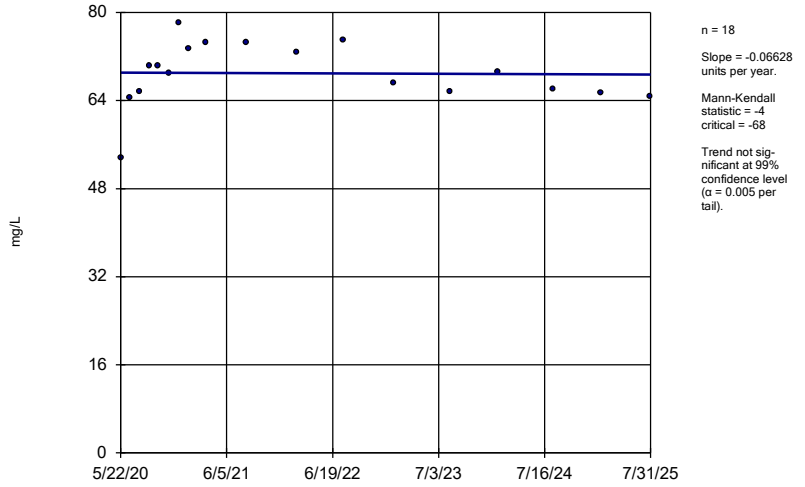
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.06628 units per year.

Mann-Kendall statistic = -4
critical = -68

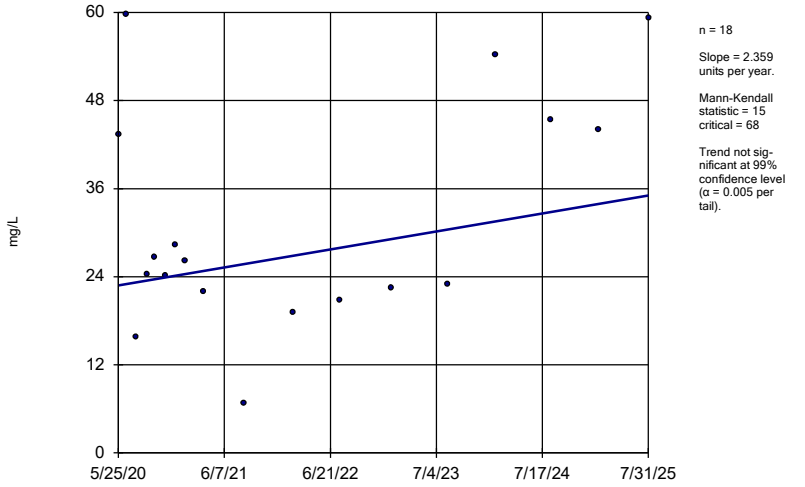
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 2.359 units per year.

Mann-Kendall statistic = 15
critical = 68

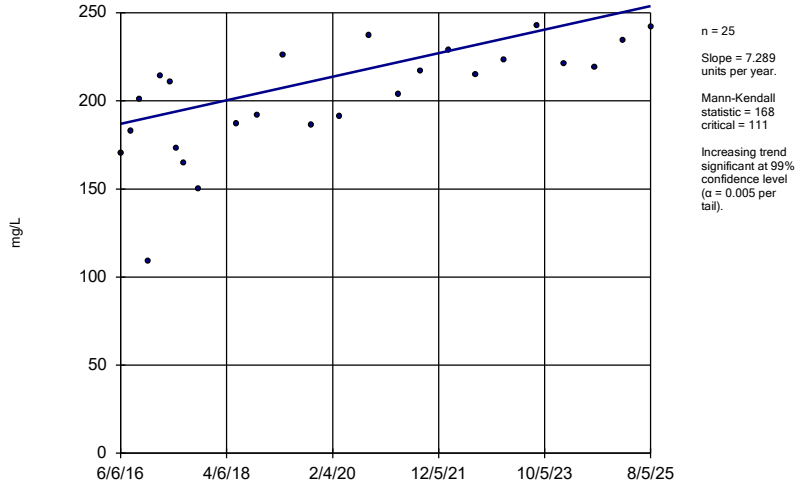
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 25

Slope = 7.289 units per year.

Mann-Kendall statistic = 168
critical = 111

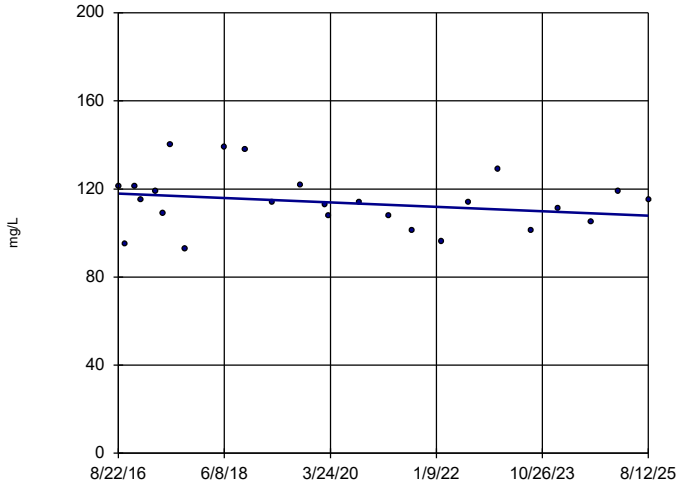
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 25

Slope = -1.105 units per year.

Mann-Kendall statistic = -50
critical = -111

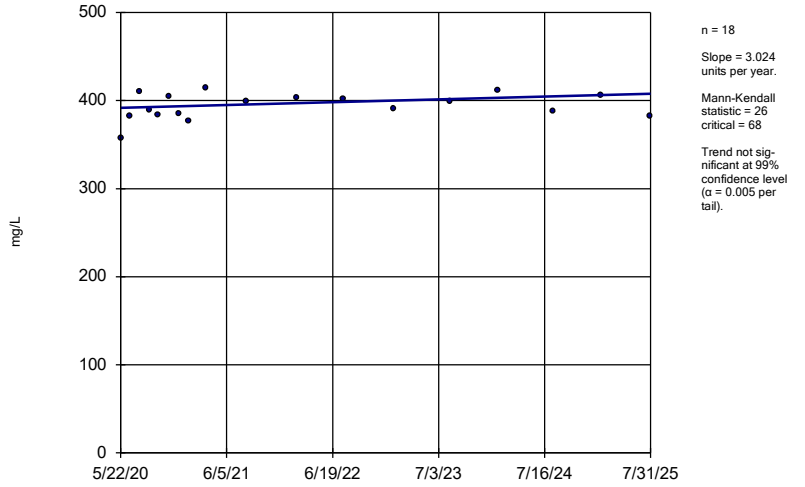
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 3.024 units per year.

Mann-Kendall statistic = 26
critical = 68

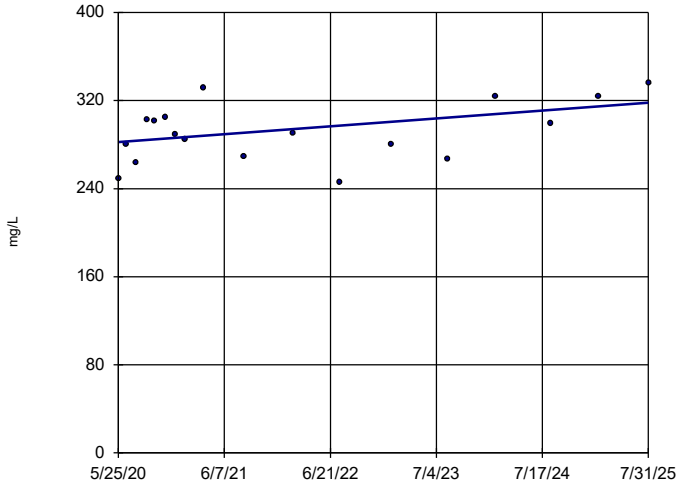
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 6.898 units per year.

Mann-Kendall statistic = 41
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 11:17 AM View: Upgradient Trend Tests - Appendix III
Plant Bowen Client: Southern Company Data: Bowen AP-1

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:43 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**BGWA-2 (bg)**	**-0.01187**	**-291**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-29 (bg)**	**-0.001203**	**-209**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-47D (bg)**	**-0.001055**	**-68**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-48D (bg)**	**-0.007961**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BGWA-47D (bg)**	**0.000828**	**78**	**58**	**Yes**	**19**	**57.89**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**BGWA-2 (bg)**	**-0.001924**	**-140**	**-112**	**Yes**	**30**	**40**	**n/a**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**BGWA-47D (bg)**	**0.0002039**	**98**	**58**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**BGWA-48D (bg)**	**0.0002174**	**103**	**58**	**Yes**	**19**	**47.37**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Upgradient Wells - All Results

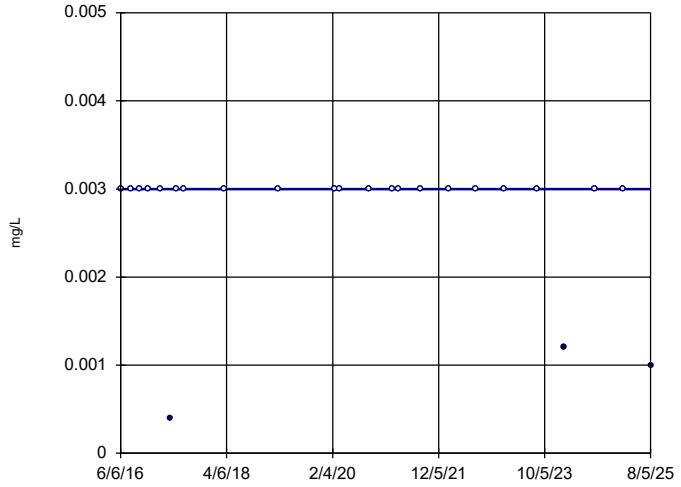
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:43 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	BGWA-2 (bg)	0	-26	-81	No	24	87.5	n/a	n/a	0.05	NP
Antimony (mg/L)	BGWA-29 (bg)	0	-15	-81	No	24	91.67	n/a	n/a	0.05	NP
Antimony (mg/L)	BGWA-47D (bg)	0	56	58	No	19	63.16	n/a	n/a	0.05	NP
Antimony (mg/L)	BGWA-48D (bg)	0	-5	-58	No	19	21.05	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-2 (bg)	0	59	101	No	28	57.14	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	55	101	No	28	64.29	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	34	58	No	19	78.95	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0	-10	-58	No	19	36.84	n/a	n/a	0.05	NP
Barium (mg/L)	**BGWA-2 (bg)**	**-0.01187**	**-291**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-29 (bg)**	**-0.001203**	**-209**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-47D (bg)**	**-0.001055**	**-68**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BGWA-48D (bg)**	**-0.007961**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	BGWA-2 (bg)	0	0	90	No	26	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BGWA-29 (bg)	0	0	90	No	26	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BGWA-47D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BGWA-48D (bg)	0	10	58	No	19	94.74	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-2 (bg)	0	-9	-101	No	28	96.43	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-29 (bg)	0	21	101	No	28	96.43	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-47D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BGWA-48D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Chromium (mg/L)	BGWA-2 (bg)	0	27	90	No	26	76.92	n/a	n/a	0.05	NP
Chromium (mg/L)	BGWA-29 (bg)	0	62	90	No	26	65.38	n/a	n/a	0.05	NP
Chromium (mg/L)	**BGWA-47D (bg)**	**0.000828**	**78**	**58**	**Yes**	**19**	**57.89**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	BGWA-48D (bg)	0	31	58	No	19	84.21	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	29	106	No	29	89.66	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	16	58	No	19	94.74	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	23	58	No	19	89.47	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-2 (bg)	-0.03664	-57	-101	No	28	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-29 (bg)	0.01673	42	101	No	28	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-47D (bg)	0.05609	20	58	No	19	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BGWA-48D (bg)	-0.06844	-27	-58	No	19	0	n/a	n/a	0.05	NP
Fluoride (mg/L)	**BGWA-2 (bg)**	**-0.001924**	**-140**	**-112**	**Yes**	**30**	**40**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BGWA-29 (bg)	0	68	106	No	29	55.17	n/a	n/a	0.05	NP
Fluoride (mg/L)	BGWA-47D (bg)	0	-32	-58	No	19	68.42	n/a	n/a	0.05	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01003	-58	-58	No	19	31.58	n/a	n/a	0.05	NP
Lead (mg/L)	BGWA-2 (bg)	0	-9	-90	No	26	76.92	n/a	n/a	0.05	NP
Lead (mg/L)	BGWA-29 (bg)	0	-5	-90	No	26	96.15	n/a	n/a	0.05	NP
Lead (mg/L)	**BGWA-47D (bg)**	**0.0002039**	**98**	**58**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**BGWA-48D (bg)**	**0.0002174**	**103**	**58**	**Yes**	**19**	**47.37**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BGWA-2 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-29 (bg)	0	-83	-101	No	28	67.86	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-47D (bg)	0	-46	-58	No	19	78.95	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-48D (bg)	0	57	58	No	19	63.16	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-2 (bg)	0	13	90	No	26	92.31	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-29 (bg)	0	-5	-90	No	26	92.31	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-47D (bg)	0	14	58	No	19	89.47	n/a	n/a	0.05	NP
Mercury (mg/L)	BGWA-48D (bg)	0	-24	-58	No	19	89.47	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	94	106	No	29	58.62	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	3	101	No	28	96.43	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	18	58	No	19	94.74	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.0001085	-4	-58	No	19	0	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-2 (bg)	0	5	90	No	26	96.15	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-29 (bg)	0	0	90	No	26	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-47D (bg)	-0.0001	-40	-58	No	19	31.58	n/a	n/a	0.05	NP
Selenium (mg/L)	BGWA-48D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-2 (bg)	0	40	101	No	28	50	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-29 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-47D (bg)	0	18	58	No	19	94.74	n/a	n/a	0.05	NP
Thallium (mg/L)	BGWA-48D (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -26
critical = -81

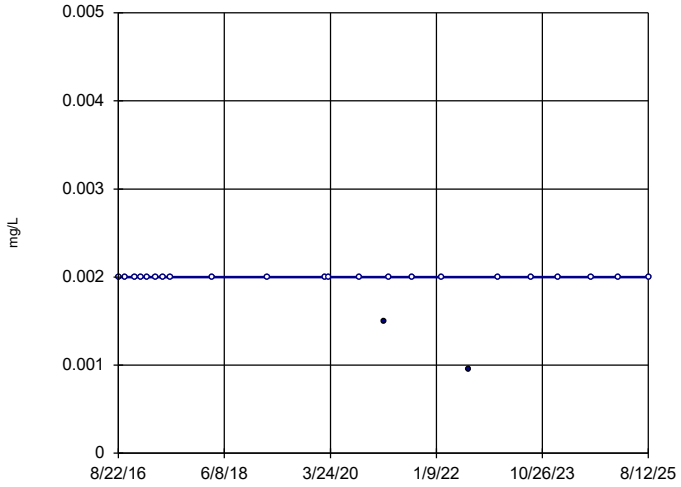
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -15
critical = -81

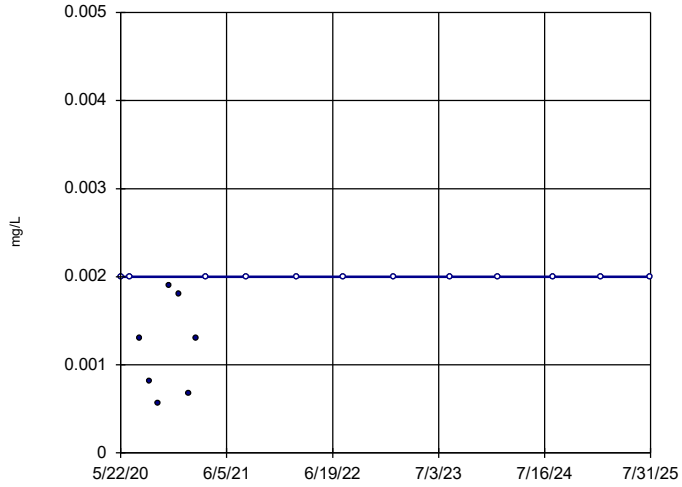
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 56
critical = 58

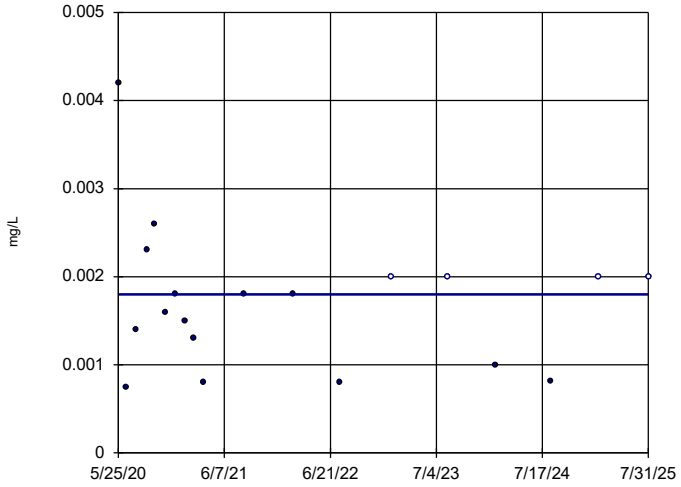
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -58

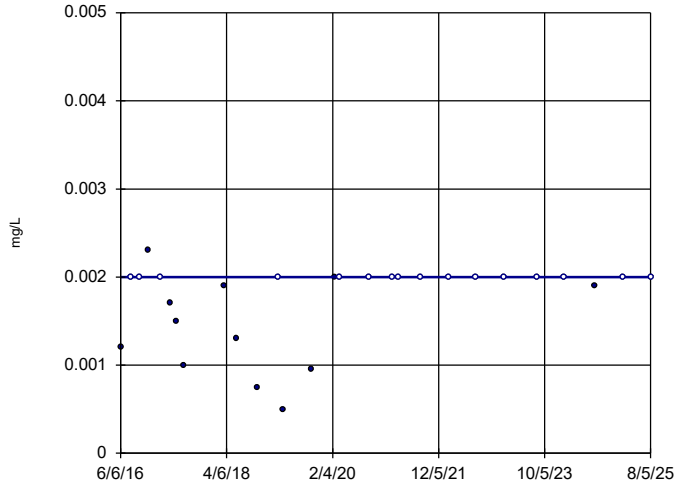
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 59
critical = 101

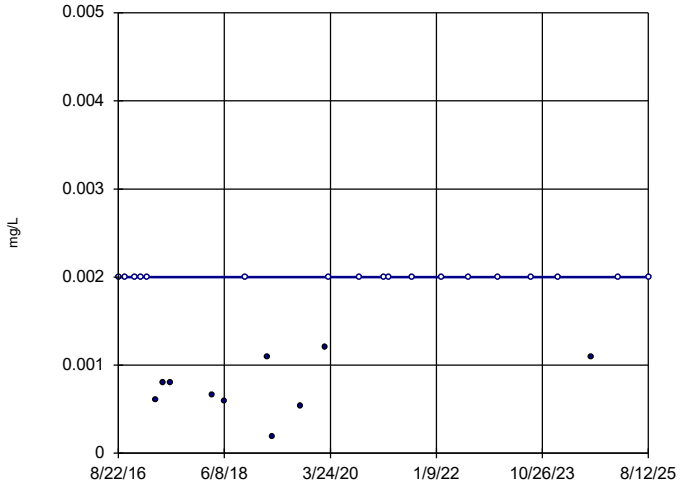
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 55
critical = 101

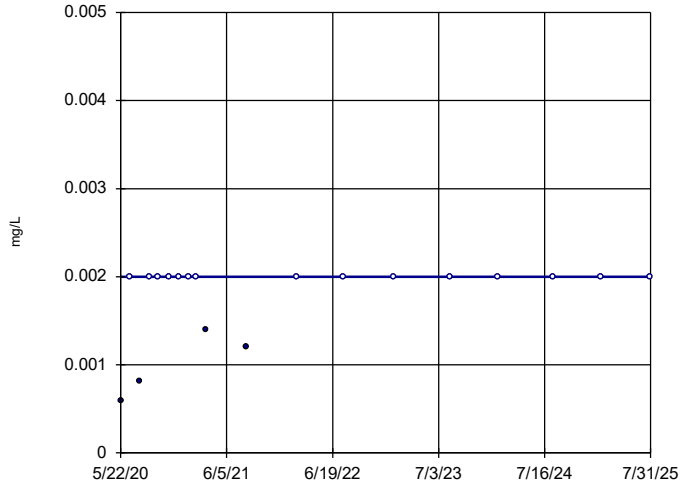
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 34
critical = 58

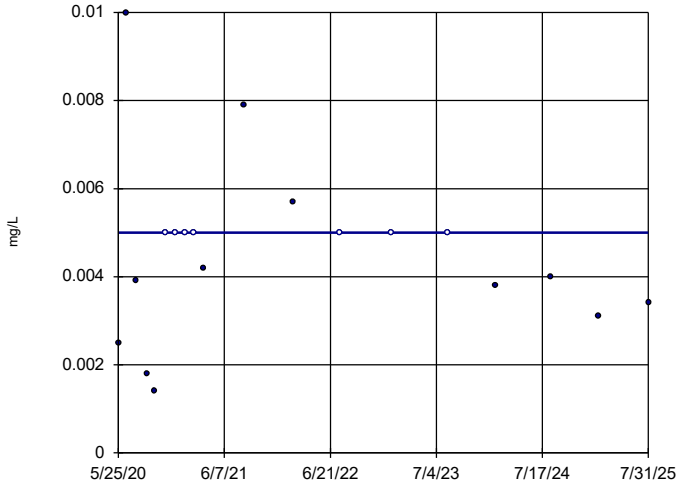
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -10
critical = -58

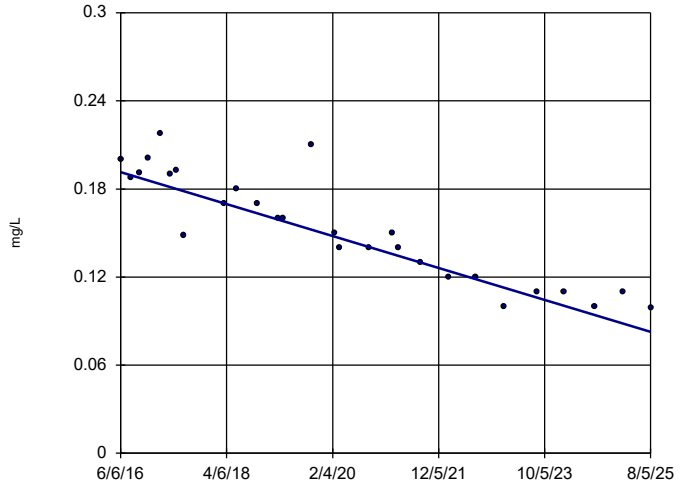
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = -0.01187 units per year.

Mann-Kendall statistic = -291 critical = -101

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

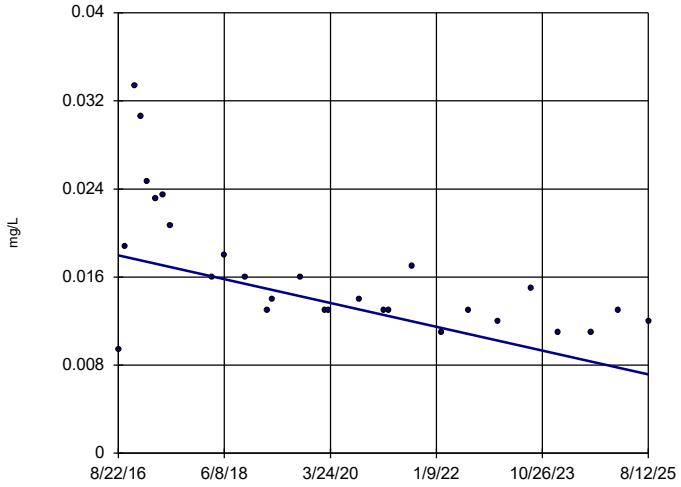
Constituent: Barium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = -0.001203 units per year.

Mann-Kendall statistic = -209 critical = -101

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

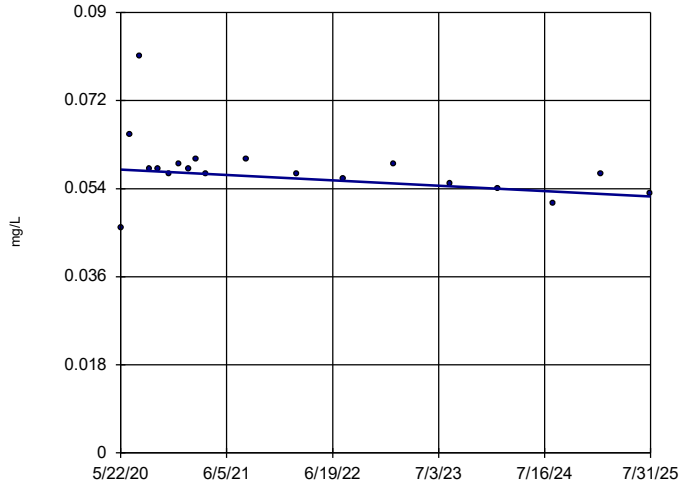
Constituent: Barium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = -0.001055 units per year.

Mann-Kendall statistic = -68 critical = -58

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

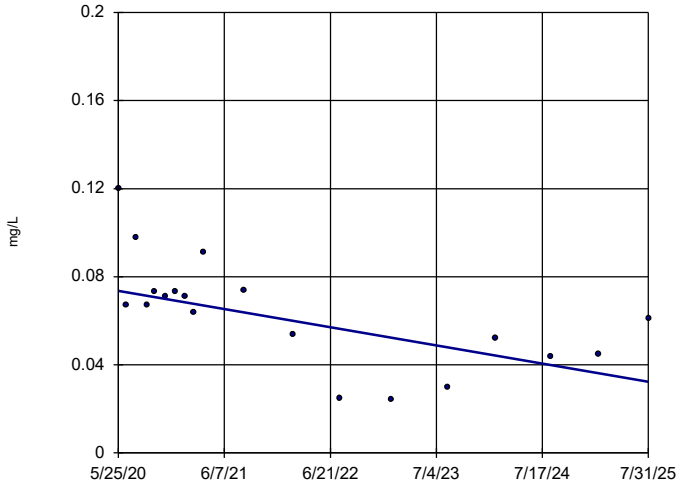
Constituent: Barium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.007961 units per year.

Mann-Kendall statistic = -82 critical = -58

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

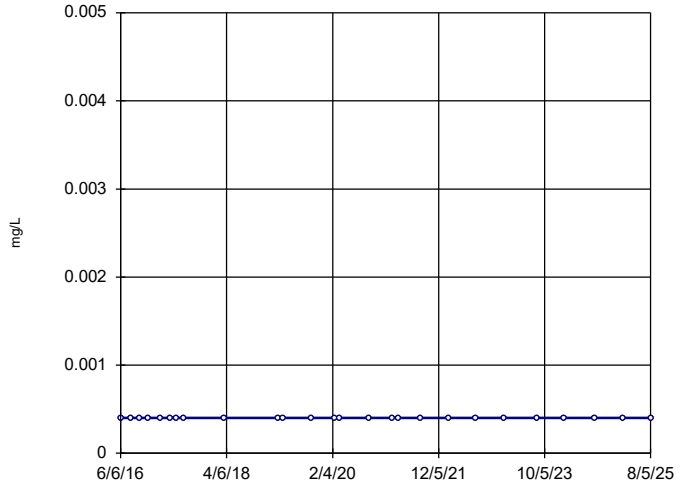
Constituent: Barium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 90

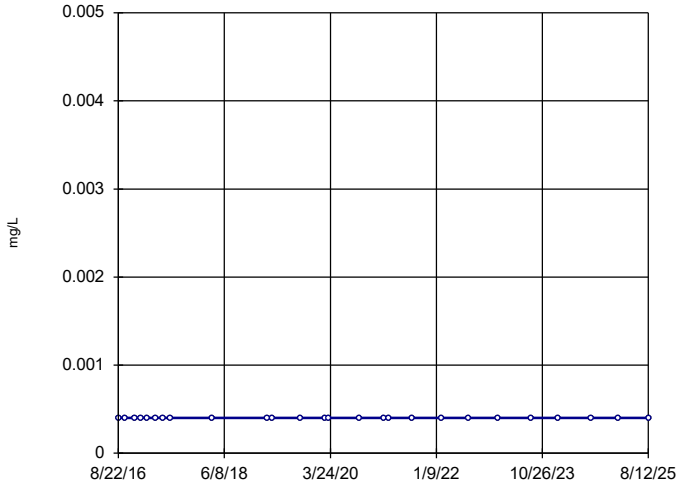
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 90

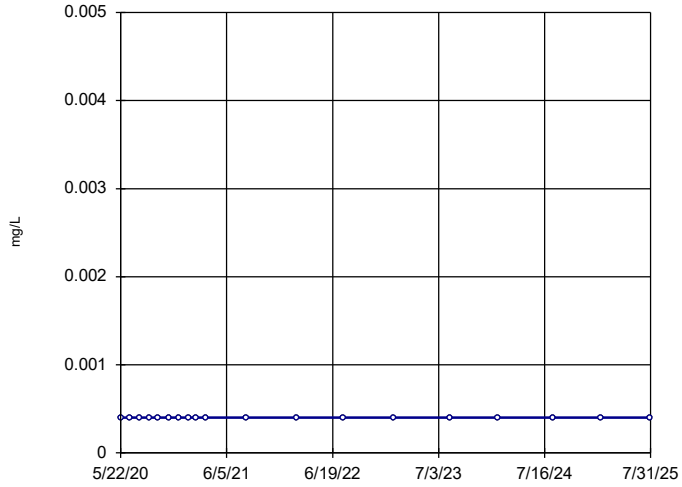
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 58

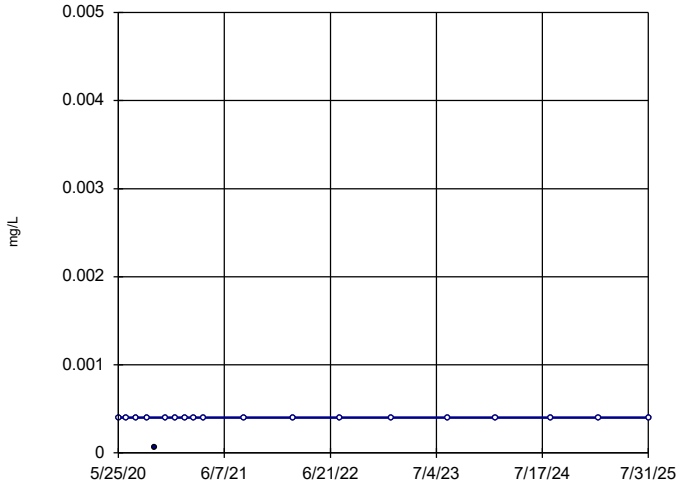
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 58

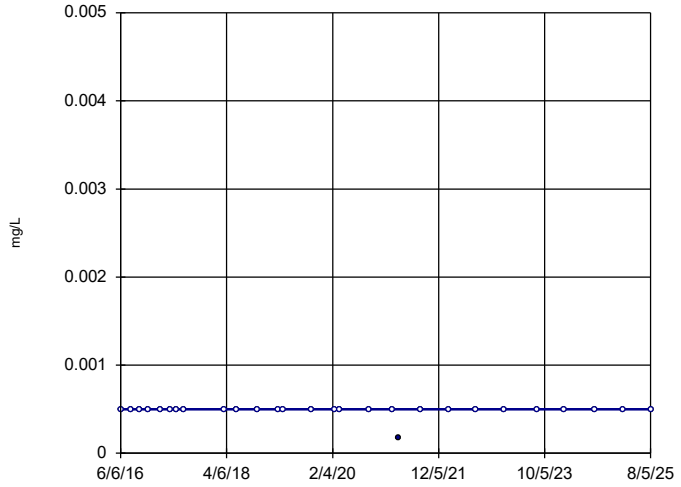
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -101

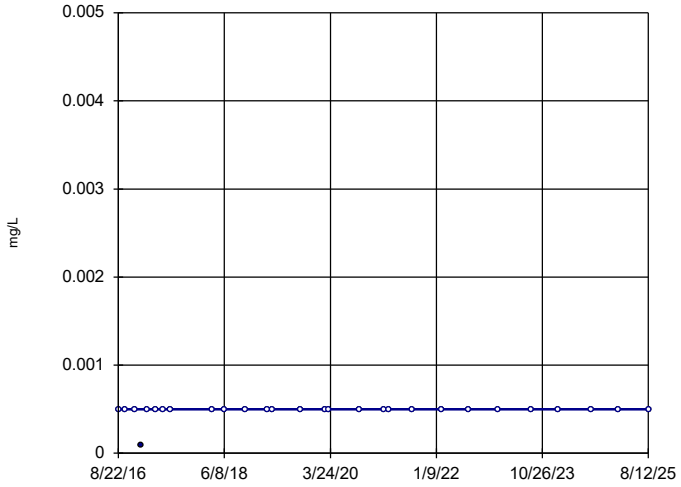
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 21
critical = 101

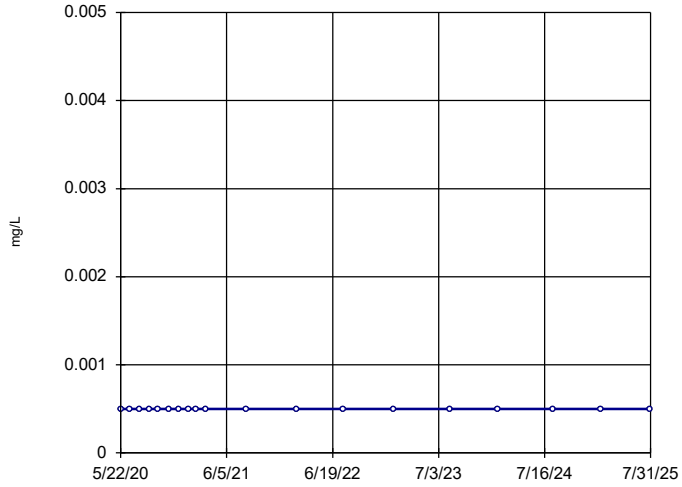
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

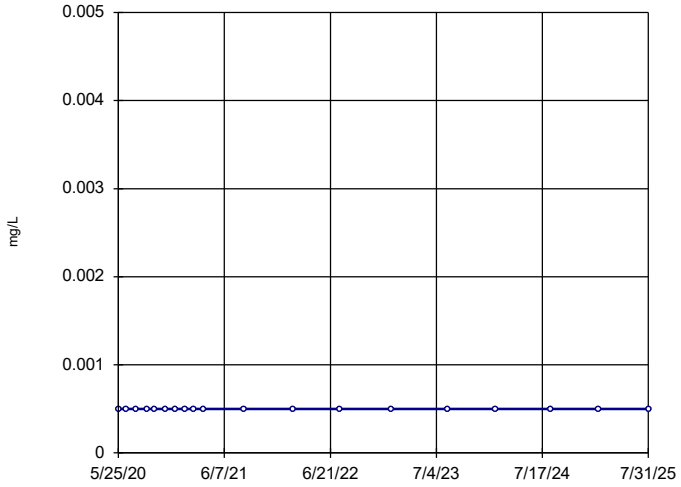
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

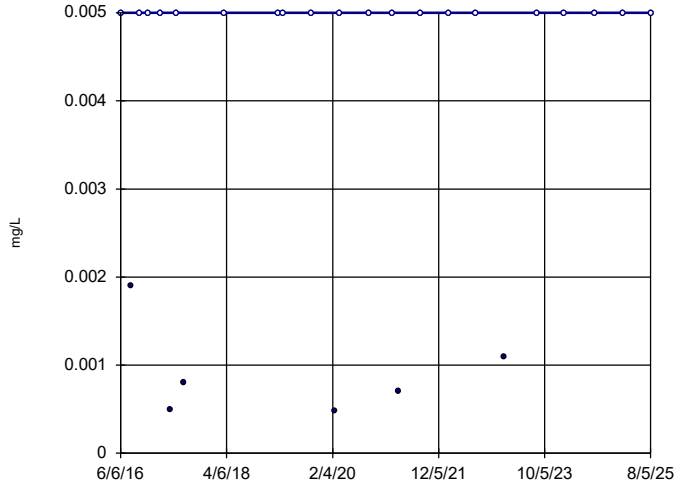
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 27
critical = 90

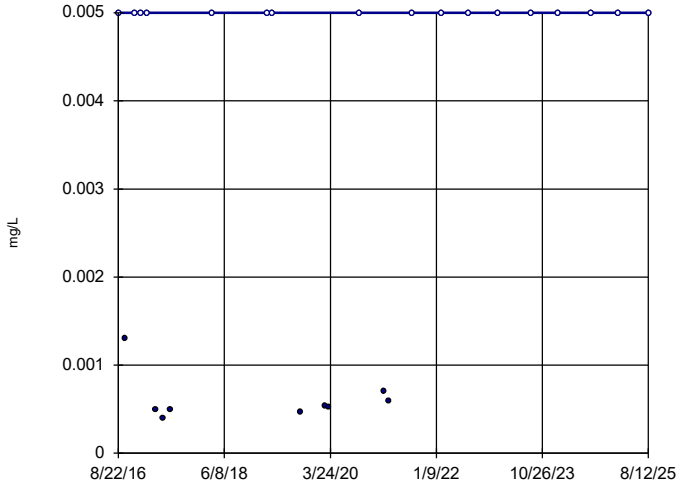
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 62
critical = 90

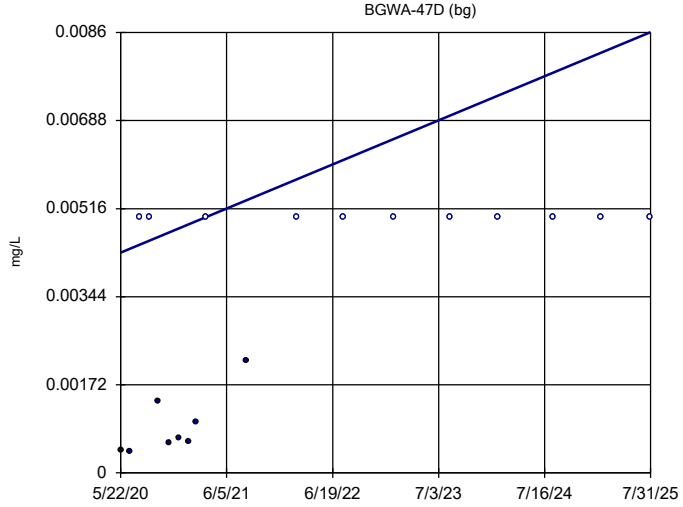
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0.000828 units per year.

Mann-Kendall statistic = 78
critical = 58

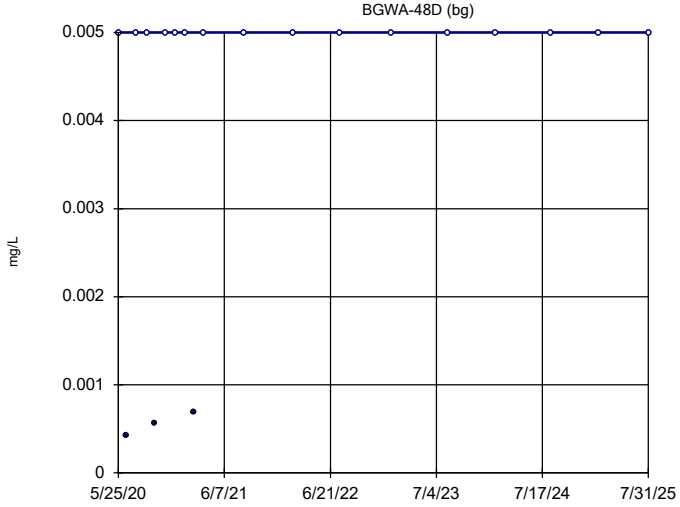
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 31
critical = 58

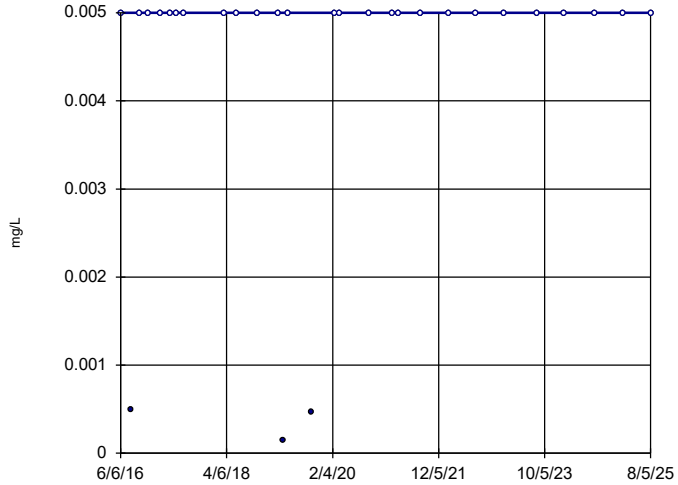
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 29
critical = 106

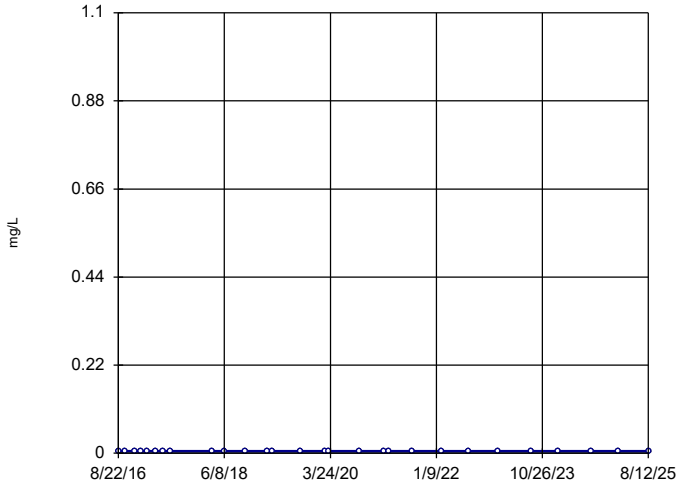
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 101

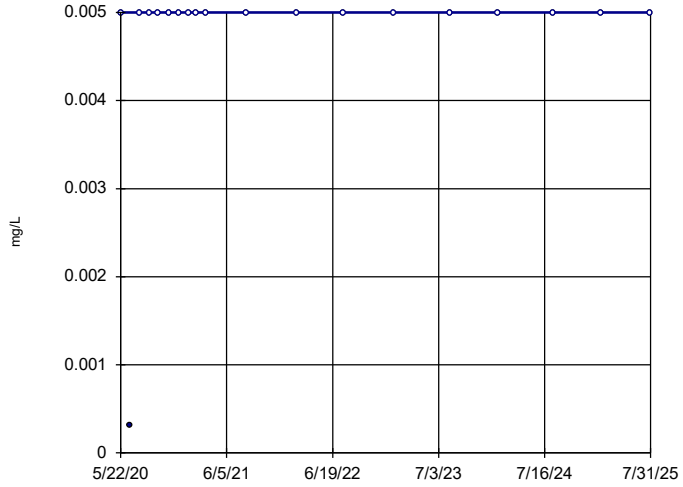
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 58

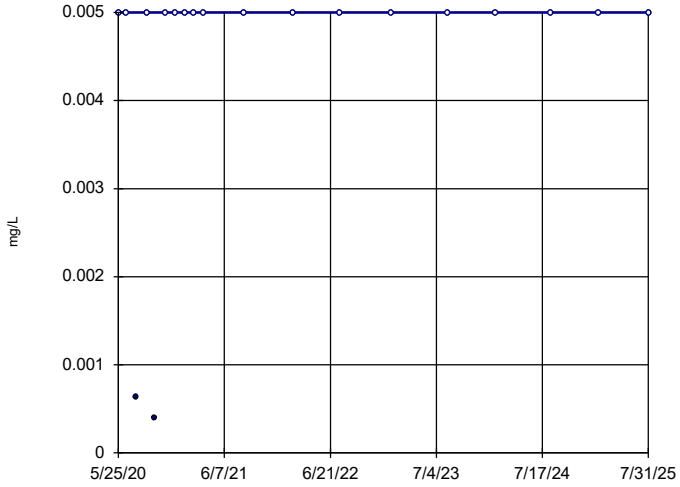
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 23
critical = 58

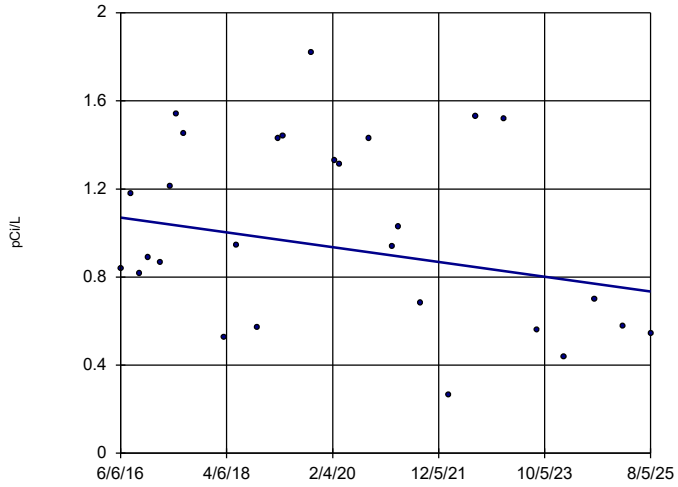
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = -0.03664 units per year.

Mann-Kendall statistic = -57 critical = -101

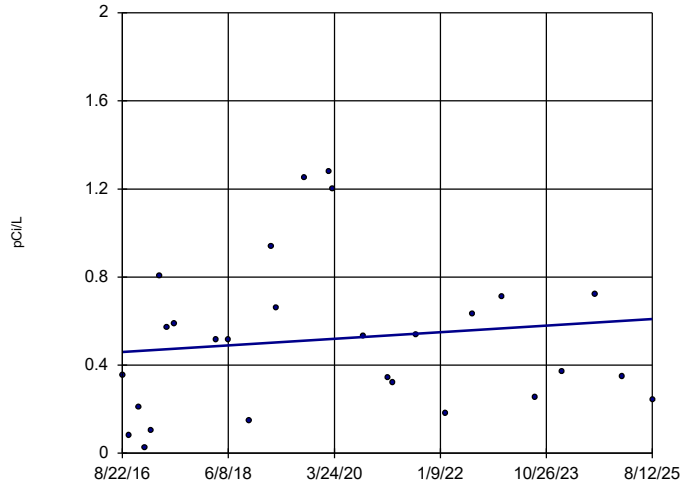
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0.01673 units per year.

Mann-Kendall statistic = 42 critical = 101

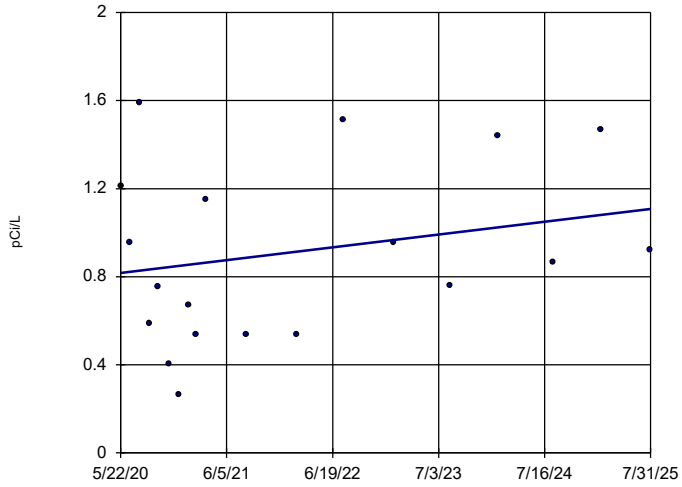
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0.05609 units per year.

Mann-Kendall statistic = 20 critical = 58

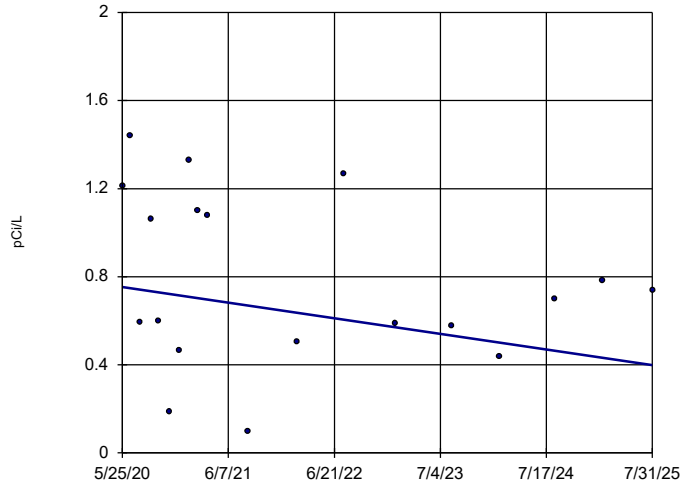
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.06844 units per year.

Mann-Kendall statistic = -27 critical = -58

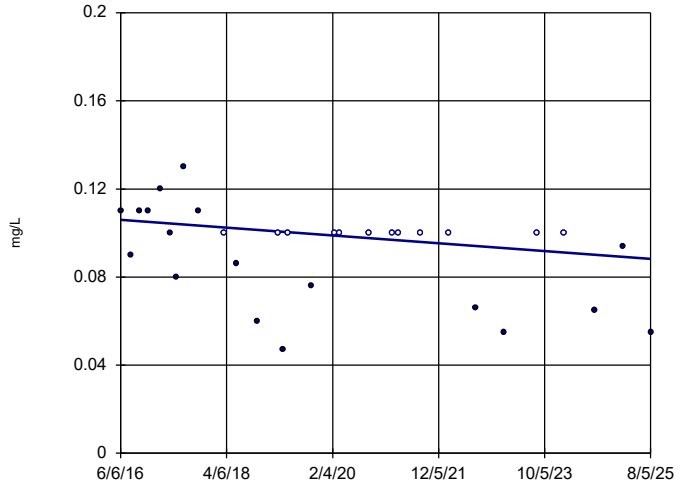
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 30

Slope = -0.001924 units per year.

Mann-Kendall statistic = -140
critical = -112

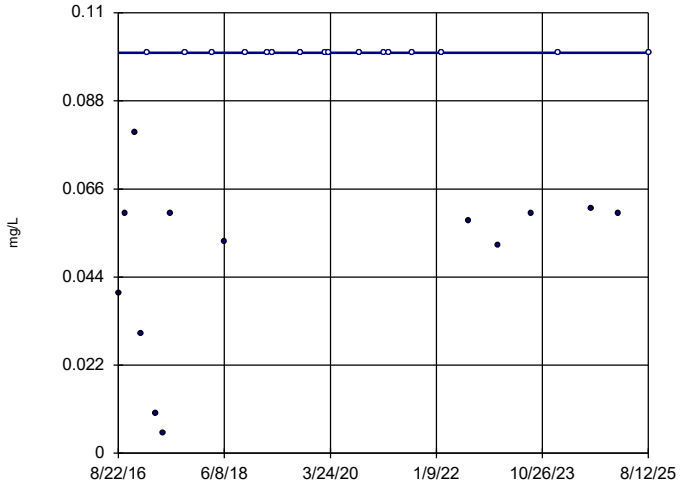
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 68
critical = 106

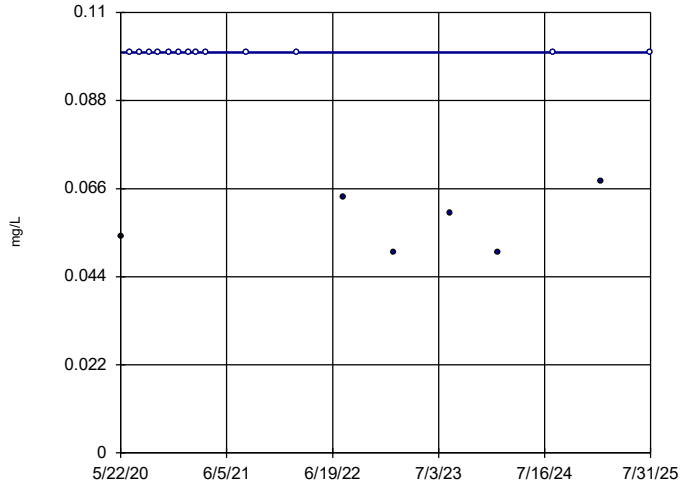
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -32
critical = -58

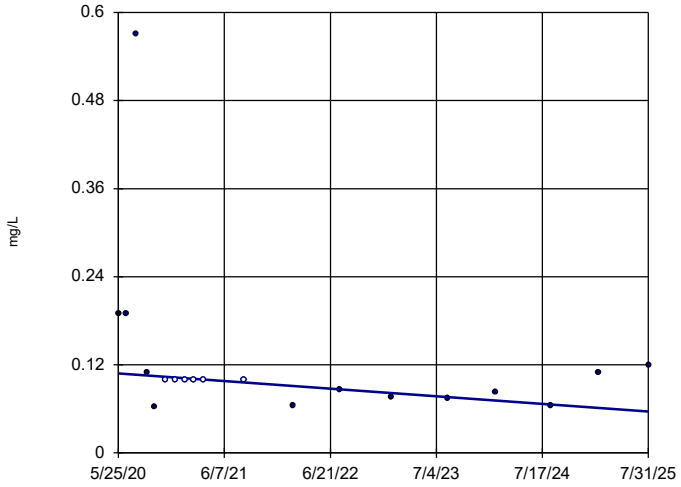
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.01003 units per year.

Mann-Kendall statistic = -58
critical = -58

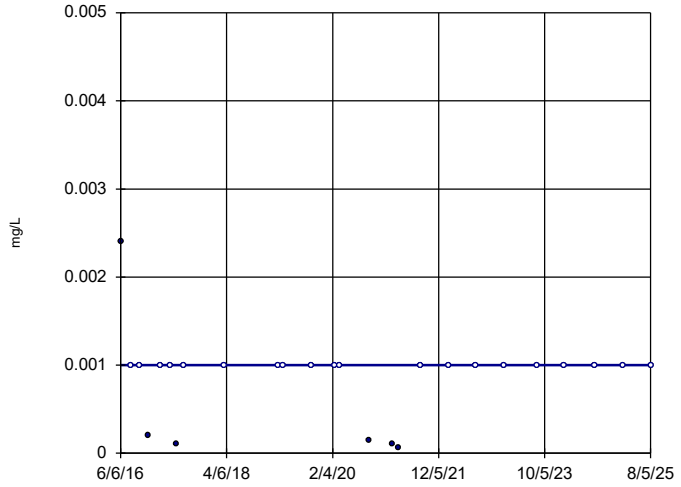
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -90

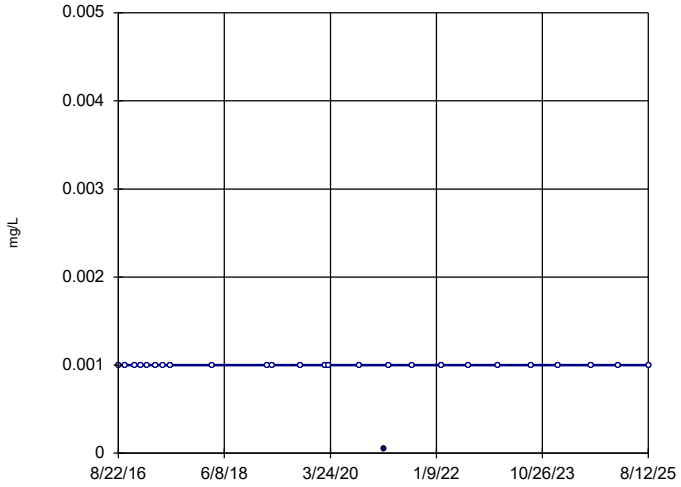
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -90

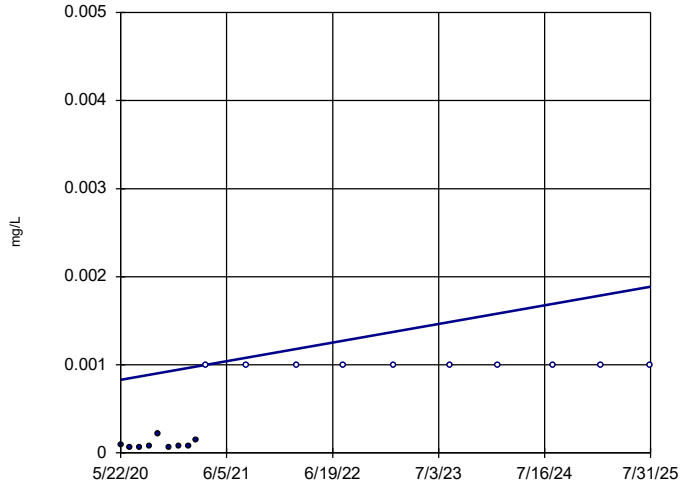
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0.0002039 units per year.

Mann-Kendall statistic = 98
critical = 58

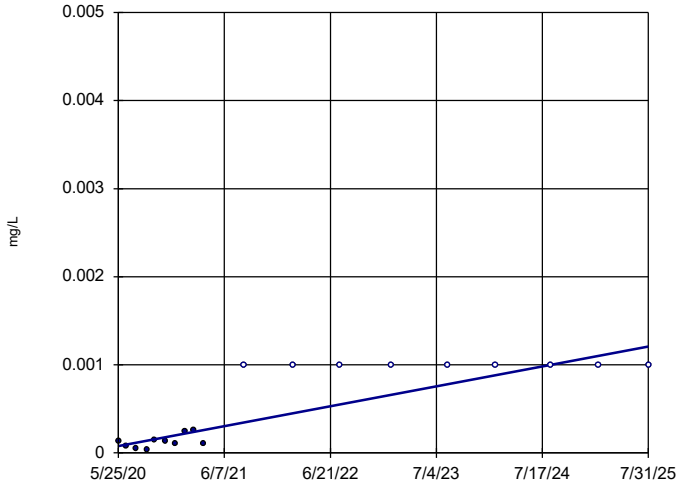
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

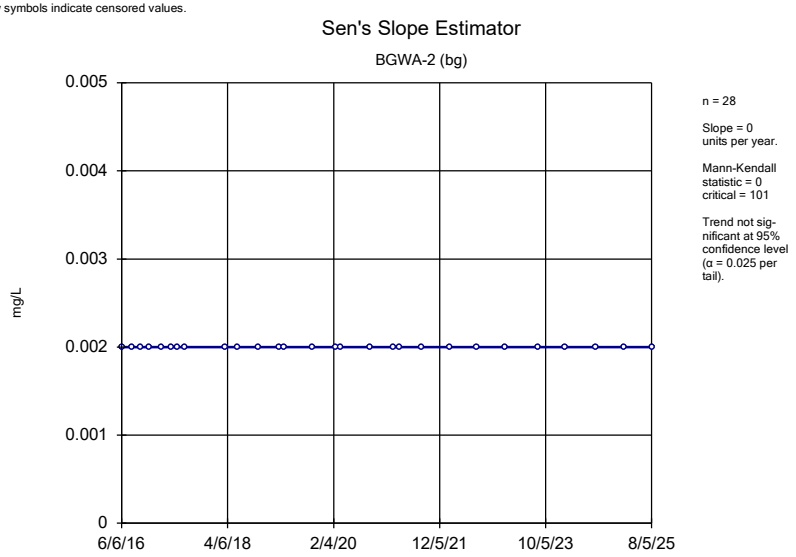
Slope = 0.0002174 units per year.

Mann-Kendall statistic = 103
critical = 58

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

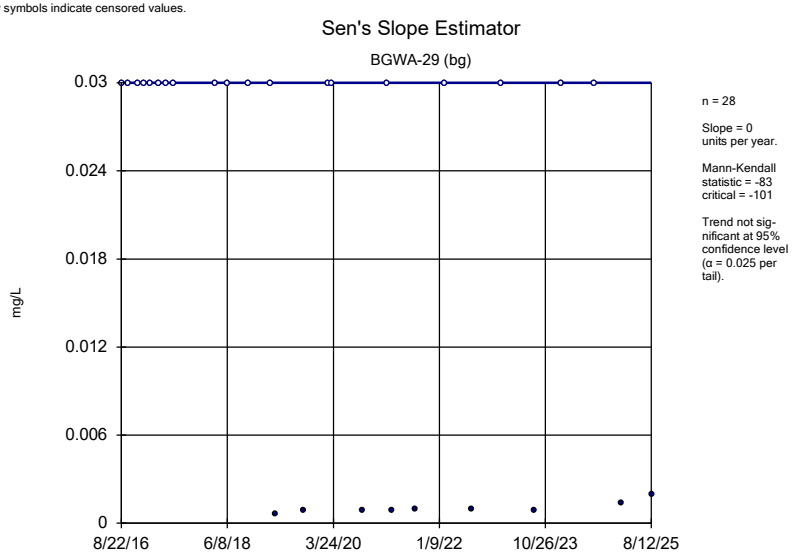
Constituent: Lead Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



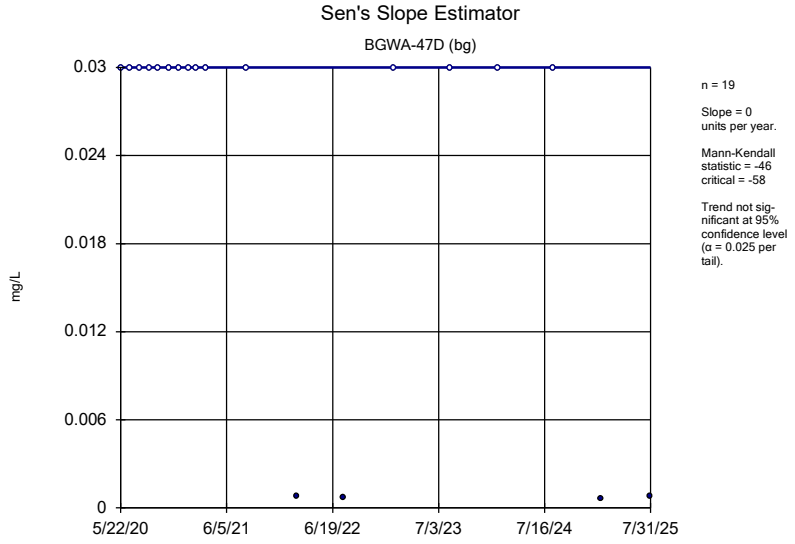
Constituent: Lithium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



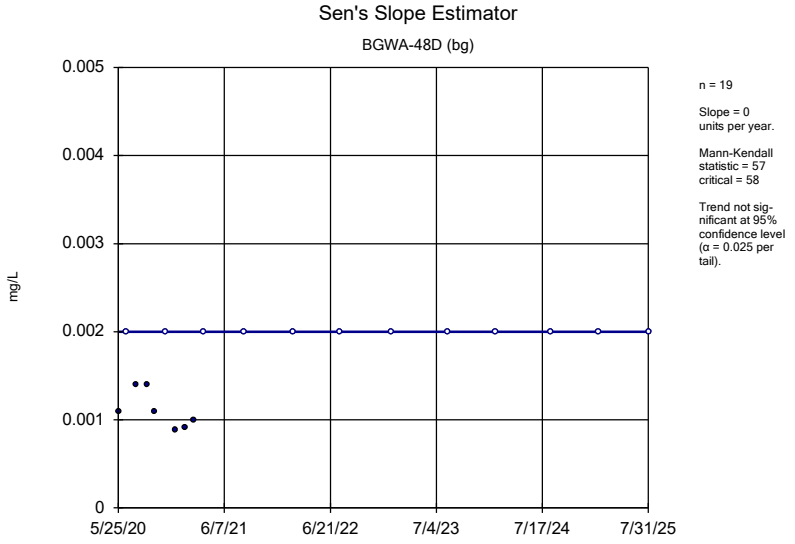
Constituent: Lithium Analysis Run 9/16/2025 11:20 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Lithium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

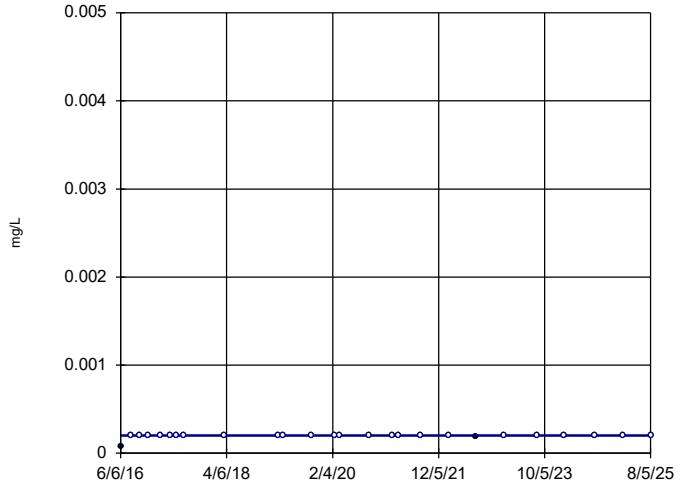


Constituent: Lithium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 13
critical = 90

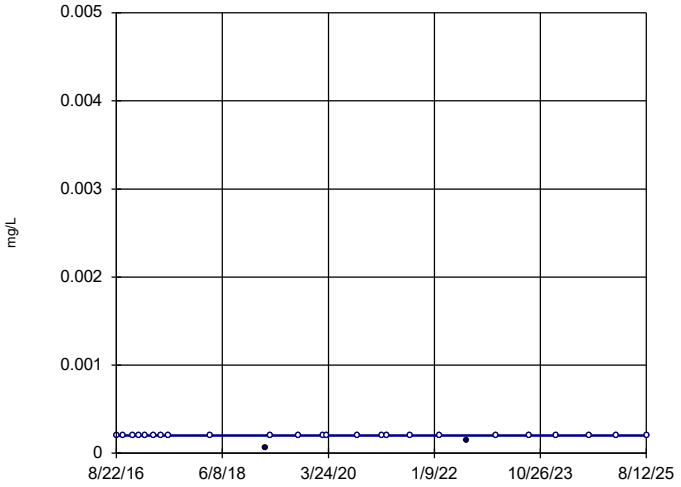
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -90

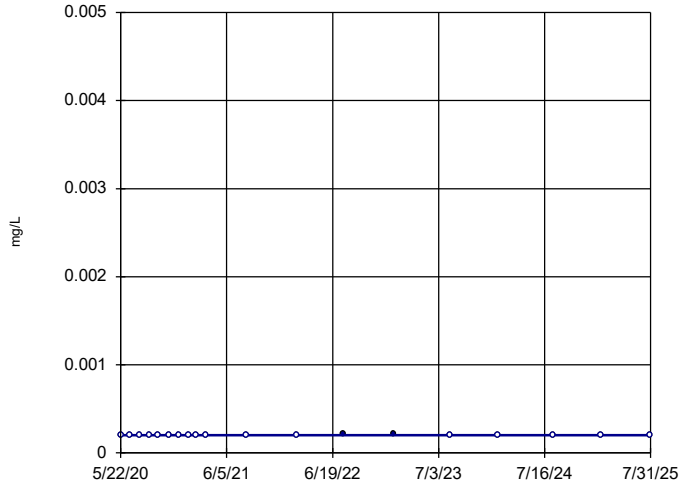
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 58

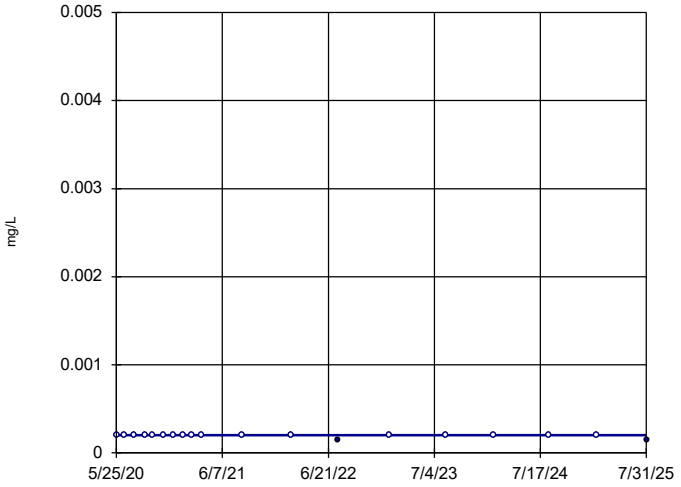
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

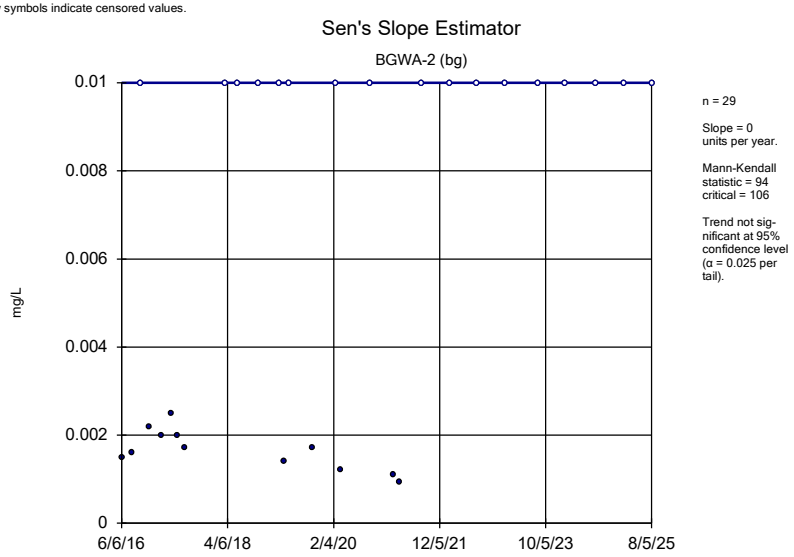
Slope = 0 units per year.

Mann-Kendall statistic = -24
critical = -58

Trend not significant at 95% confidence level (α = 0.025 per tail).

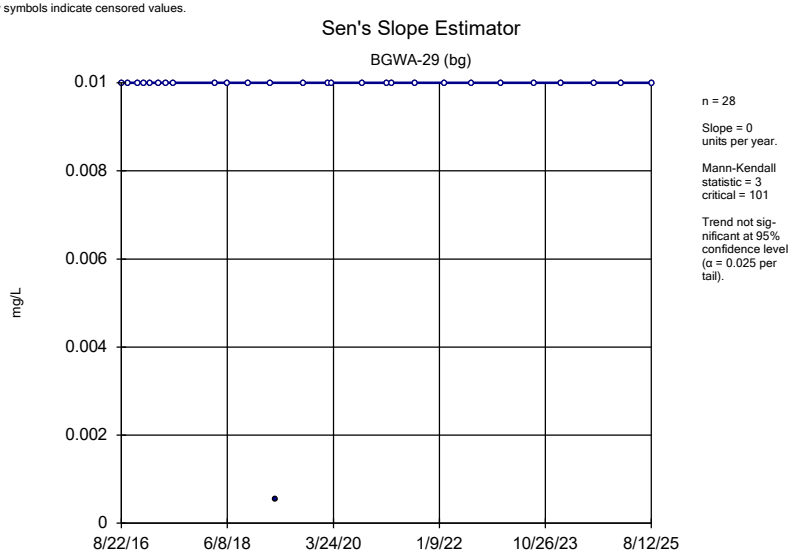
Constituent: Mercury Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



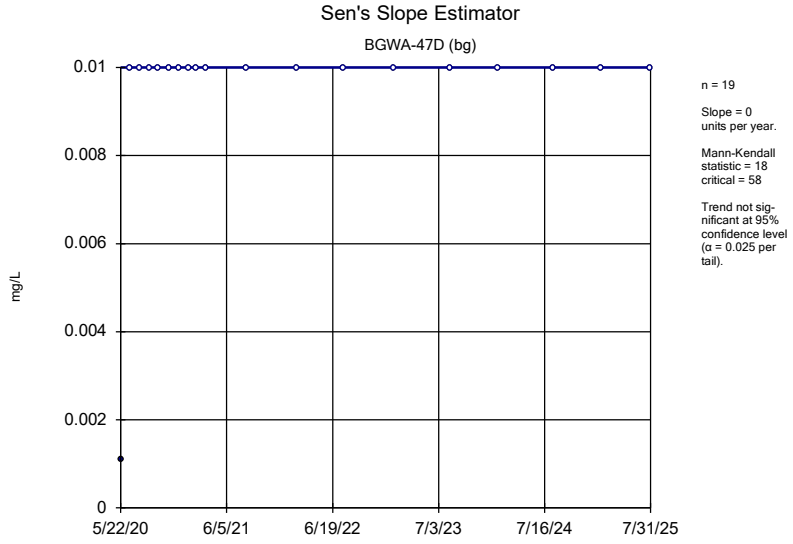
Constituent: Molybdenum Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



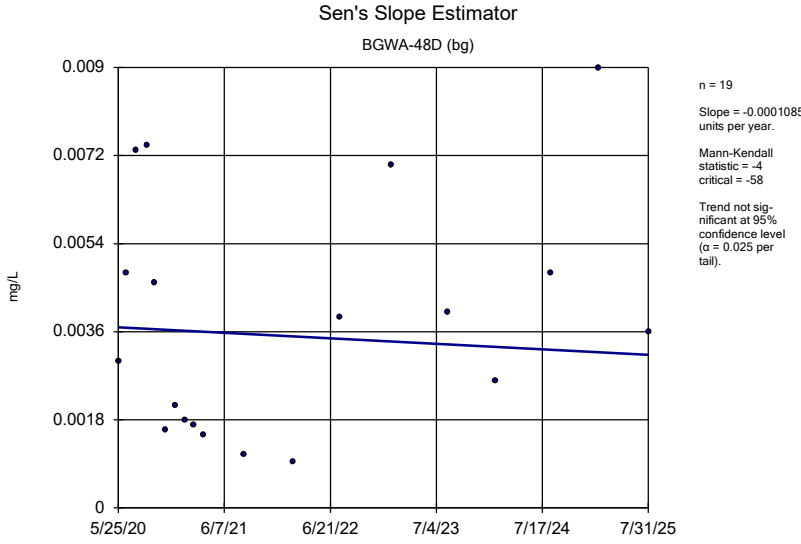
Constituent: Molybdenum Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Molybdenum Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

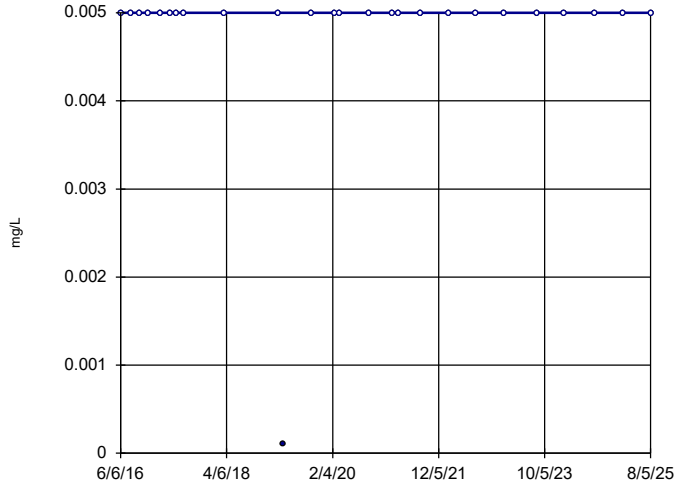


Constituent: Molybdenum Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 90

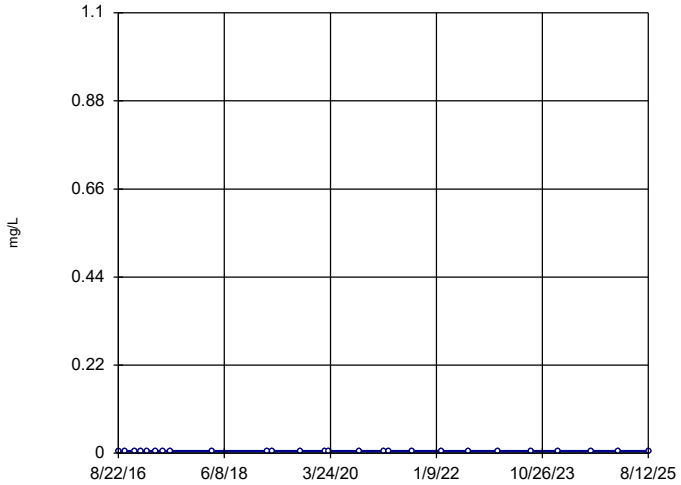
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 90

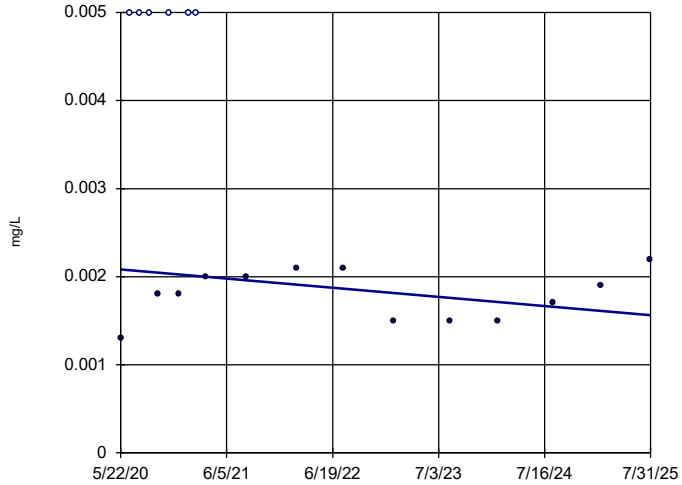
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = -0.0001 units per year.

Mann-Kendall statistic = -40
critical = -58

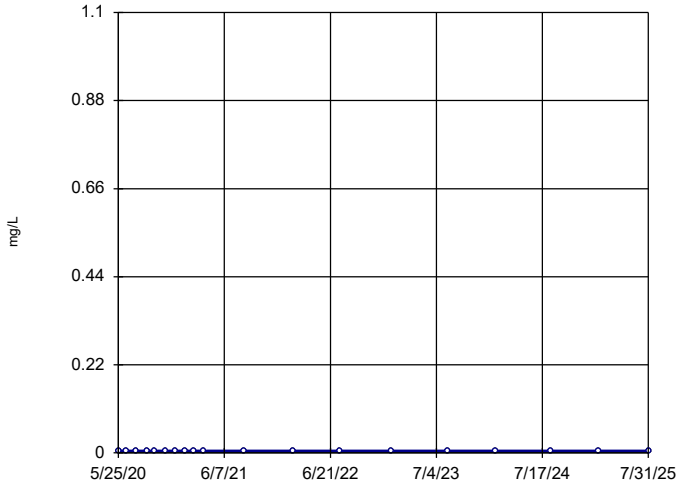
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

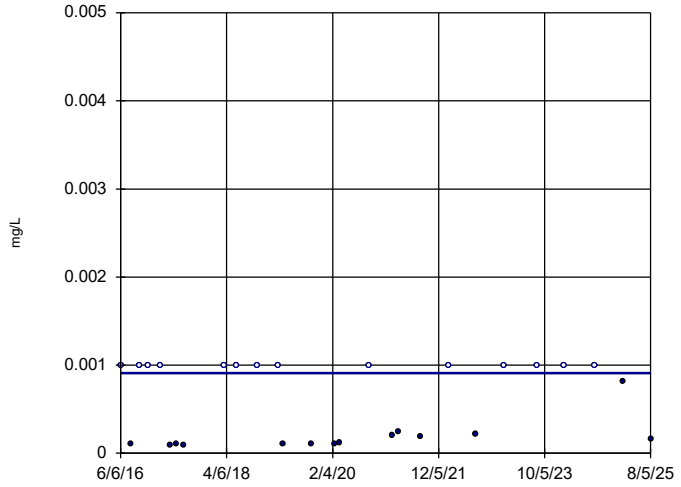
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 40
critical = 101

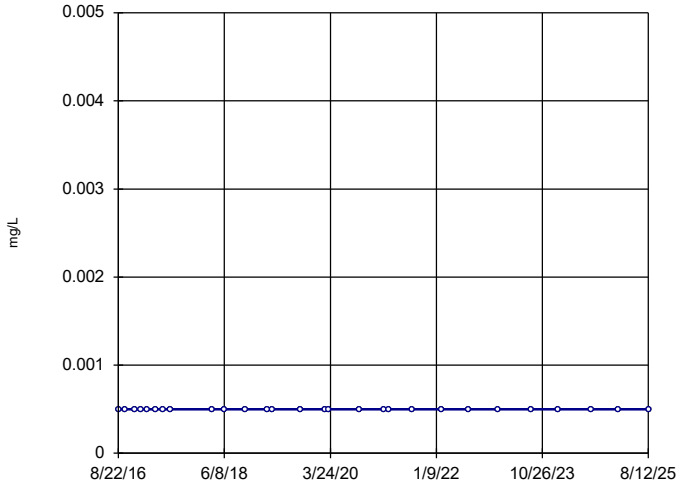
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 101

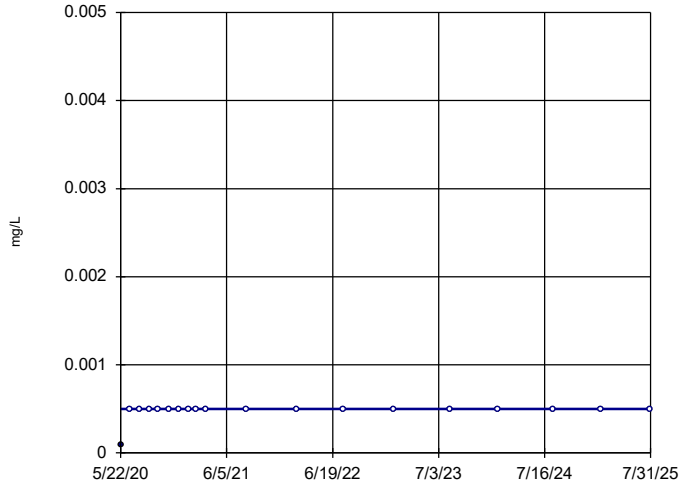
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 58

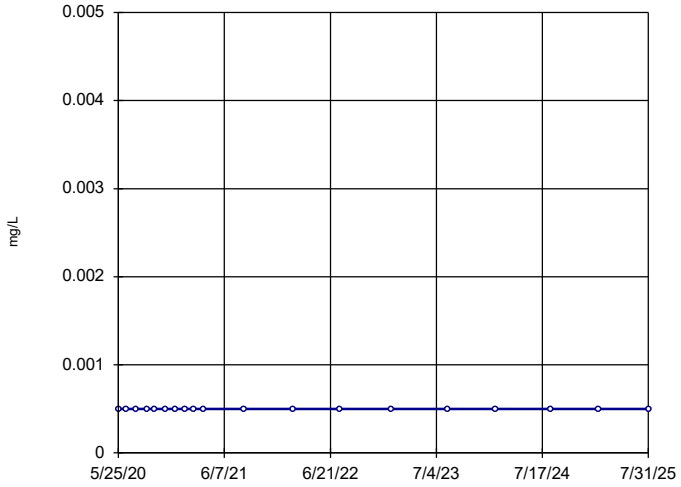
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 9/16/2025 11:21 AM View: Upgradient Trend Tests - Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE E.

Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	BGWC-7	0.04	n/a	8/5/2025	0.69	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.04	n/a	8/4/2025	0.45	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-10	0.04	n/a	8/5/2025	0.48	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.04	n/a	8/4/2025	1.6	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.04	n/a	8/4/2025	1.5	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.04	n/a	8/5/2025	2	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.04	n/a	8/5/2025	1.1	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.04	n/a	8/5/2025	0.46	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.04	n/a	8/6/2025	0.59	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.04	n/a	8/7/2025	4.7	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.04	n/a	8/7/2025	9.8	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.04	n/a	8/11/2025	6	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.04	n/a	8/11/2025	11.7	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.04	n/a	8/7/2025	0.17	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.04	n/a	8/5/2025	1.7	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.04	n/a	8/13/2025	1.1	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.04	n/a	8/11/2025	0.83	Yes	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	8/4/2025	175	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	8/4/2025	177	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	8/5/2025	153	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	8/7/2025	267	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/7/2025	252	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/11/2025	228	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	8/11/2025	337	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	9.289	n/a	8/5/2025	29.1	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.289	n/a	8/4/2025	13.5	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.289	n/a	8/4/2025	21.4	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.289	n/a	8/5/2025	9.8	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.289	n/a	8/5/2025	32.4	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	9.289	n/a	8/6/2025	11.1	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.289	n/a	8/7/2025	130	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.289	n/a	8/7/2025	262	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.289	n/a	8/11/2025	291	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.289	n/a	8/11/2025	390	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	9.289	n/a	8/7/2025	21.9	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.289	n/a	8/5/2025	98.5	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-51	9.289	n/a	8/13/2025	46.1	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-52	9.289	n/a	8/11/2025	31.4	Yes	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
pH, Field (SU)	BGWC-16	8.344	6.591	8/5/2025	6.22	Yes	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-24	8.344	6.591	8/11/2025	6.59	Yes	97	0	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	8/5/2025	152	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	8/4/2025	80.3	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	8/5/2025	95.9	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	8/4/2025	420	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	8/4/2025	434	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	8/5/2025	400	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	8/5/2025	132	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	8/6/2025	111	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	8/7/2025	585	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/7/2025	305	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/11/2025	214	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	8/11/2025	267	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-51	78	n/a	8/13/2025	99.7	Yes	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-7	415	n/a	8/5/2025	571	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-10	415	n/a	8/5/2025	438	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-12	415	n/a	8/4/2025	1100	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-14A	415	n/a	8/4/2025	1040	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-16	415	n/a	8/5/2025	865	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-17	415	n/a	8/5/2025	504	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-19	415	n/a	8/6/2025	424	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-20	415	n/a	8/7/2025	1420	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-22	415	n/a	8/7/2025	1370	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-23	415	n/a	8/11/2025	1450	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-24	415	n/a	8/11/2025	1680	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-30	415	n/a	8/5/2025	528	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-51	415	n/a	8/13/2025	432	Yes	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:14 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	**BGWC-7**	**0.04**	**n/a**	**8/5/2025**	**0.69**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-8	0.04	n/a	7/31/2025	0.039J	No	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-9**	**0.04**	**n/a**	**8/4/2025**	**0.45**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-10**	**0.04**	**n/a**	**8/5/2025**	**0.48**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-12**	**0.04**	**n/a**	**8/4/2025**	**1.6**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-14A**	**0.04**	**n/a**	**8/4/2025**	**1.5**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-16**	**0.04**	**n/a**	**8/5/2025**	**2**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-17**	**0.04**	**n/a**	**8/5/2025**	**1.1**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-18**	**0.04**	**n/a**	**8/5/2025**	**0.46**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-19**	**0.04**	**n/a**	**8/6/2025**	**0.59**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-20**	**0.04**	**n/a**	**8/7/2025**	**4.7**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BGWC-21	0.04	n/a	8/11/2025	0.03J	No	88	20.45	n/a	0.0002459	NP Inter (normality) 1 of 2
Boron (mg/L)	**BGWC-22**	**0.04**	**n/a**	**8/7/2025**	**9.8**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-23**	**0.04**	**n/a**	**8/11/2025**	**6**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-24**	**0.04**	**n/a**	**8/11/2025**	**11.7**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-25**	**0.04**	**n/a**	**8/7/2025**	**0.17**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-30**	**0.04**	**n/a**	**8/5/2025**	**1.7**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-51**	**0.04**	**n/a**	**8/13/2025**	**1.1**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BGWC-52**	**0.04**	**n/a**	**8/11/2025**	**0.83**	**Yes**	**88**	**20.45**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-7	117	n/a	8/5/2025	101	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	7/31/2025	42.9	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	8/4/2025	62.2	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	8/5/2025	61.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-12**	**117**	**n/a**	**8/4/2025**	**175**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-14A**	**117**	**n/a**	**8/4/2025**	**177**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-16**	**117**	**n/a**	**8/5/2025**	**153**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-17	117	n/a	8/5/2025	82.1	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	8/5/2025	64.9	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	8/6/2025	75.1	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-20**	**117**	**n/a**	**8/7/2025**	**267**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-21	117	n/a	8/11/2025	43.5	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	**BGWC-22**	**117**	**n/a**	**8/7/2025**	**252**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-23**	**117**	**n/a**	**8/11/2025**	**228**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BGWC-24**	**117**	**n/a**	**8/11/2025**	**337**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BGWC-25	117	n/a	8/7/2025	54.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	8/5/2025	80.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	8/13/2025	80.1	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-52	117	n/a	8/11/2025	67.8	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-7	9.289	n/a	8/5/2025	6.8	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	9.289	n/a	7/31/2025	1.7	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	9.289	n/a	8/4/2025	8.5	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-10**	**9.289**	**n/a**	**8/5/2025**	**29.1**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-12**	**9.289**	**n/a**	**8/4/2025**	**13.5**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-14A**	**9.289**	**n/a**	**8/4/2025**	**21.4**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-16**	**9.289**	**n/a**	**8/5/2025**	**9.8**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-17**	**9.289**	**n/a**	**8/5/2025**	**32.4**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-18	9.289	n/a	8/5/2025	5.3	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-19**	**9.289**	**n/a**	**8/6/2025**	**11.1**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-20**	**9.289**	**n/a**	**8/7/2025**	**130**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	BGWC-21	9.289	n/a	8/11/2025	4.9	No	88	0	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	**BGWC-22**	**9.289**	**n/a**	**8/7/2025**	**262**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-23**	**9.289**	**n/a**	**8/11/2025**	**291**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-24**	**9.289**	**n/a**	**8/11/2025**	**390**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-25**	**9.289**	**n/a**	**8/7/2025**	**21.9**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-30**	**9.289**	**n/a**	**8/5/2025**	**98.5**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-51**	**9.289**	**n/a**	**8/13/2025**	**46.1**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Chloride (mg/L)	**BGWC-52**	**9.289**	**n/a**	**8/11/2025**	**31.4**	**Yes**	**88**	**0**	**sqrt(x)**	**0.000396**	**Param Inter 1 of 2**
Fluoride (mg/L)	BGWC-7	0.57	n/a	8/5/2025	0.15	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	7/31/2025	0.055J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	8/4/2025	0.11	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	8/5/2025	0.055J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	8/4/2025	0.1	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	8/4/2025	0.084J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	8/5/2025	0.086J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	8/5/2025	0.14	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	8/5/2025	0.077J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	8/6/2025	0.076J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	8/7/2025	0.061J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 11:14 AM

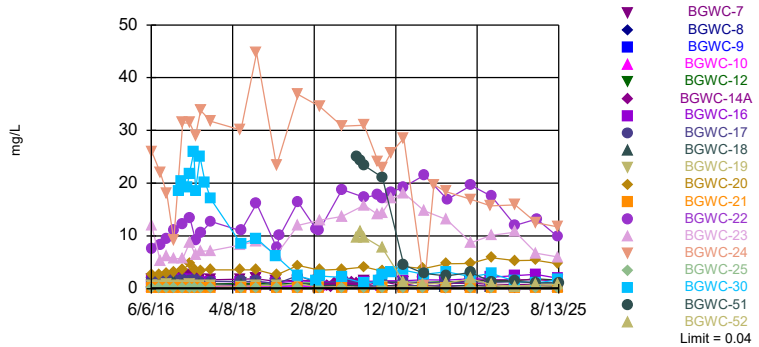
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-21	0.57	n/a	8/11/2025	0.1ND	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	8/7/2025	0.27	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	8/11/2025	0.074J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	8/11/2025	0.19	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	8/7/2025	0.1ND	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	8/5/2025	0.073J	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-51	0.57	n/a	8/13/2025	0.18	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-52	0.57	n/a	8/11/2025	0.13	No	97	48.45	n/a	0.0002038	NP Inter (normality) 1 of 2
pH, Field (SU)	BGWC-7	8.344	6.591	8/5/2025	7.01	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-8	8.344	6.591	7/31/2025	7.57	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-9	8.344	6.591	8/4/2025	7.22	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-10	8.344	6.591	8/5/2025	7.43	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-12	8.344	6.591	8/4/2025	6.87	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-14A	8.344	6.591	8/4/2025	6.8	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-16**	**8.344**	**6.591**	**8/5/2025**	**6.22**	**Yes**	**97**	**0**	**x^2**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-17	8.344	6.591	8/5/2025	7.22	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-18	8.344	6.591	8/5/2025	6.8	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-19	8.344	6.591	8/6/2025	6.7	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-20	8.344	6.591	8/7/2025	7.16	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-21	8.344	6.591	8/11/2025	7.61	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-22	8.344	6.591	8/7/2025	6.88	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-23	8.344	6.591	8/11/2025	7.03	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	**BGWC-24**	**8.344**	**6.591**	**8/11/2025**	**6.59**	**Yes**	**97**	**0**	**x^2**	**0.000198**	**Param Inter 1 of 2**
pH, Field (SU)	BGWC-25	8.344	6.591	8/7/2025	7.46	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-30	8.344	6.591	8/5/2025	7.34	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-51	8.344	6.591	8/13/2025	7.05	No	97	0	x^2	0.000198	Param Inter 1 of 2
pH, Field (SU)	BGWC-52	8.344	6.591	8/11/2025	7.42	No	97	0	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	**BGWC-7**	**78**	**n/a**	**8/5/2025**	**152**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-8	78	n/a	7/31/2025	16.2	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-9**	**78**	**n/a**	**8/4/2025**	**80.3**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-10**	**78**	**n/a**	**8/5/2025**	**95.9**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-12**	**78**	**n/a**	**8/4/2025**	**420**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-14A**	**78**	**n/a**	**8/4/2025**	**434**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-16**	**78**	**n/a**	**8/5/2025**	**400**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-17**	**78**	**n/a**	**8/5/2025**	**132**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-18	78	n/a	8/5/2025	56.9	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-19**	**78**	**n/a**	**8/6/2025**	**111**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-20**	**78**	**n/a**	**8/7/2025**	**585**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-21	78	n/a	8/11/2025	52.2	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-22**	**78**	**n/a**	**8/7/2025**	**305**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-23**	**78**	**n/a**	**8/11/2025**	**214**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BGWC-24**	**78**	**n/a**	**8/11/2025**	**267**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-25	78	n/a	8/7/2025	40.7	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	8/5/2025	48.7	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BGWC-51**	**78**	**n/a**	**8/13/2025**	**99.7**	**Yes**	**88**	**0**	**n/a**	**0.0002459**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BGWC-52	78	n/a	8/11/2025	74.5	No	88	0	n/a	0.0002459	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-7**	**415**	**n/a**	**8/5/2025**	**571**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-8	415	n/a	7/31/2025	199	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	BGWC-9	415	n/a	8/4/2025	344	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-10**	**415**	**n/a**	**8/5/2025**	**438**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-12**	**415**	**n/a**	**8/4/2025**	**1100**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-14A**	**415**	**n/a**	**8/4/2025**	**1040**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-16**	**415**	**n/a**	**8/5/2025**	**865**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-17**	**415**	**n/a**	**8/5/2025**	**504**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-18	415	n/a	8/5/2025	345	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-19**	**415**	**n/a**	**8/6/2025**	**424**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-20**	**415**	**n/a**	**8/7/2025**	**1420**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-21	415	n/a	8/11/2025	253	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-22**	**415**	**n/a**	**8/7/2025**	**1370**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-23**	**415**	**n/a**	**8/11/2025**	**1450**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-24**	**415**	**n/a**	**8/11/2025**	**1680**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-25	415	n/a	8/7/2025	284	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2
TDS (mg/L)	**BGWC-30**	**415**	**n/a**	**8/5/2025**	**528**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BGWC-51**	**415**	**n/a**	**8/13/2025**	**432**	**Yes**	**86**	**0**	**n/a**	**0.0002578**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	BGWC-52	415	n/a	8/11/2025	321	No	86	0	n/a	0.0002578	NP Inter (normality) 1 of 2

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Exceeds Limit: BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20...

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. 20.45% NDs. Annual per-constituent alpha = 0.009303. Individual comparison alpha = 0.0002459 (1 of 2). Comparing 19 points to limit.

Constituent: Boron Analysis Run 9/16/2025 11:11 AM View: Appendix III Interwell

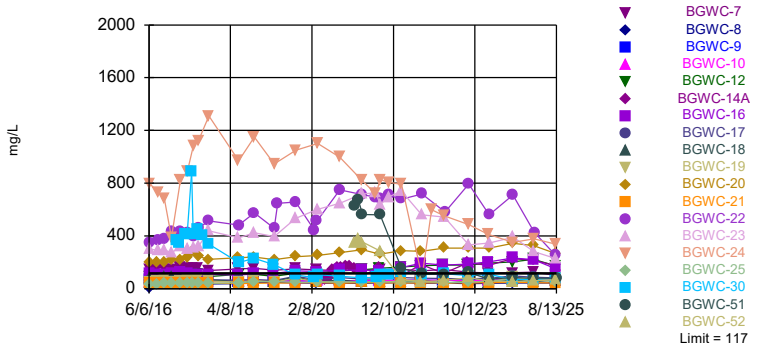
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Exceeds Limit: BGWC-12, BGWC-14A, BGWC-16, 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 88 background values. Annual per-constituent alpha = 0.009303. Individual comparison alpha = 0.0002459 (1 of 2). Comparing 19 points to limit.

Constituent: Calcium Analysis Run 9/16/2025 11:12 AM View: Appendix III Interwell

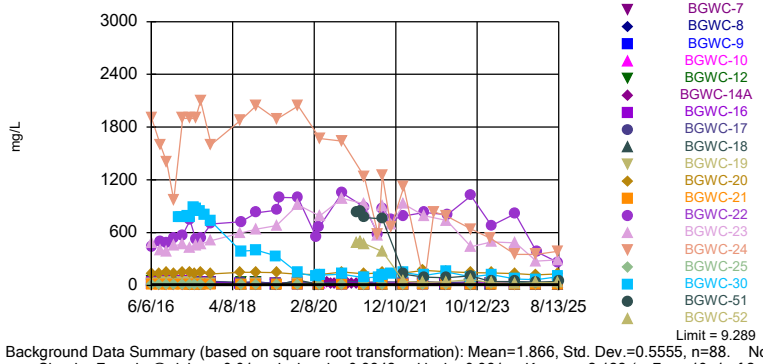
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

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 Parametric



Background Data Summary (based on square root transformation): Mean=1.866, Std. Dev.=0.5555, n=88. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9648, critical = 0.961. Kappa = 2.128 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Chloride Analysis Run 9/16/2025 11:12 AM View: Appendix III Interwell

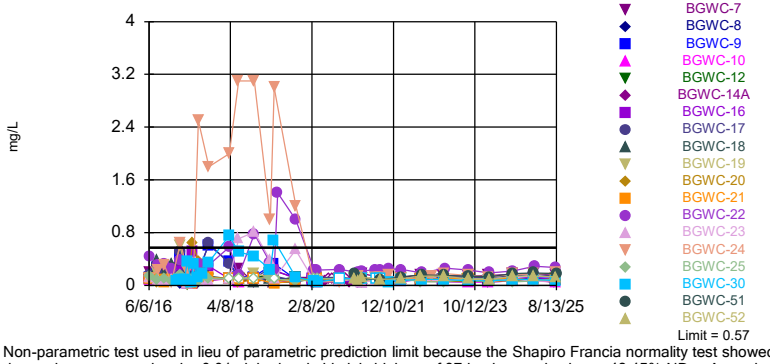
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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 97 background values. 48.45% NDs. Annual per-constituent alpha = 0.007716. Individual comparison alpha = 0.0002038 (1 of 2). Comparing 19 points to limit.

Constituent: Fluoride Analysis Run 9/16/2025 11:12 AM View: Appendix III Interwell

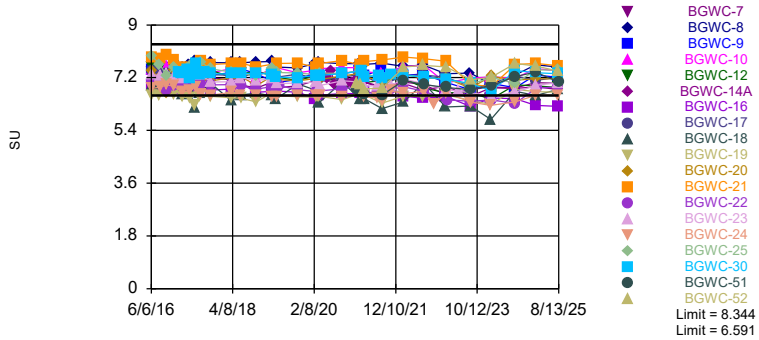
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Exceeds Limits: BGWC-16, BGWC-24

Prediction Limit

Interwell Parametric



Background Data Summary (based on square transformation): Mean=56.54, Std. Dev.=6.174, n=97. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9684, critical = 0.965. Kappa = 2.12 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. Comparing 19 points to limit.

Constituent: pH, Field Analysis Run 9/16/2025 11:12 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

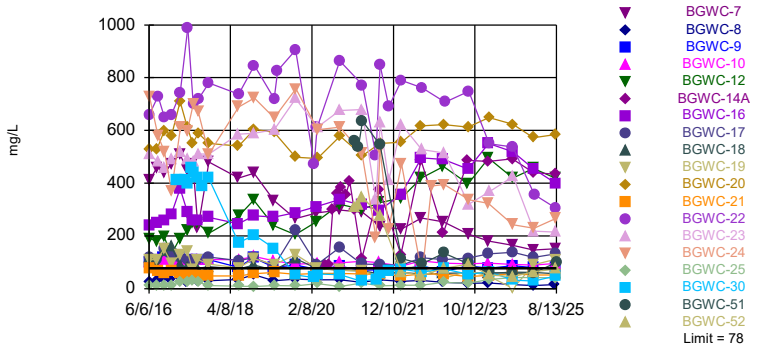
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Hollow symbols indicate censored values.

Exceeds Limit: BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22...

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. Annual per-constituent alpha = 0.009303. Individual comparison alpha = 0.0002459 (1 of 2). Comparing 19 points to limit.

Constituent: Sulfate Analysis Run 9/16/2025 11:12 AM View: Appendix III Interwell

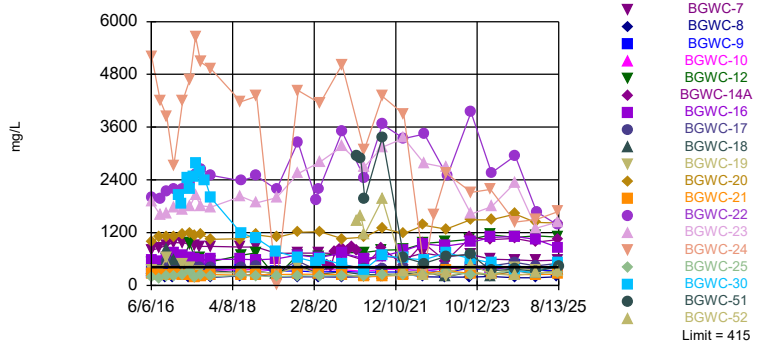
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Exceeds Limit: BGWC-7, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, 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 86 background values. Annual per-constituent alpha = 0.00975. Individual comparison alpha = 0.0002578 (1 of 2). Comparing 19 points to limit.

Constituent: TDS Analysis Run 9/16/2025 11:12 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
6/6/2016	<0.04	0.55							
6/7/2016			1.5	1.7	1.1	0.37	0.02		
6/8/2016								0.49	2.6
6/9/2016									
8/9/2016	0.0336 (J)								
8/10/2016							0.117		
8/11/2016		0.612	1.41	1.37					
8/12/2016					0.867			0.647	2.74
8/15/2016									
8/16/2016						0.525			
8/18/2016									
8/22/2016									
10/3/2016	0.0226 (J)								
10/4/2016							0.177		
10/5/2016		0.659							
10/6/2016					0.863				
10/7/2016			1.76	1.49		0.492		0.868	
10/10/2016									3
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			
12/7/2016								0.51	3.08
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	<0.04								
2/14/2017							0.122		
2/15/2017		0.707			0.886				
2/16/2017			1.63	1.73		0.482		0.68	
2/17/2017									3.63
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	4.68
4/20/2017									
5/22/2017									
5/25/2017	0.01 (J)								
5/26/2017		0.711					0.0817		
5/30/2017			1.7	1.52					
6/1/2017								0.383	3.57
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			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
7/13/2017					0.945				
7/14/2017			1.26	1.26				0.645	
7/17/2017									
7/18/2017									3.37
7/19/2017									
8/23/2017									
10/9/2017	0.0063 (J)								
10/10/2017		0.619			0.908		0.0515		
10/11/2017			1.37	1.36		0.486		0.594	3.54
10/12/2017									
6/12/2018	0.0058 (J)	0.56		1.3			0.074		
6/13/2018									3.6
6/14/2018			1.4		1	0.54			
6/15/2018								0.44	
10/16/2018	0.0066 (J)						0.16		
10/17/2018		0.61	1.4		1				
10/18/2018				1.3		0.49			
10/19/2018								0.65	
10/22/2018									3.6
4/1/2019	0.0076 (J)	0.5			0.86 (J)		0.046 (J)		
4/2/2019			0.95 (J)	1.1		0.51 (J)			
4/3/2019								0.51	2.6
4/4/2019									
5/2/2019	0.015 (J)								
9/23/2019	0.0069 (J)								
9/24/2019		0.51					0.06		
9/25/2019					1.1	0.49			
9/26/2019			2.5	1.5				0.96	4.4
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	0.016 (J)						0.058 (J)		
3/19/2020		0.41	1	1.3	1				
3/20/2020								0.29	
3/23/2020						0.5			3.5
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	0.0086 (J)						0.054 (J)		
9/24/2020		0.44	1.5	1.3		0.47			
9/25/2020					1				
9/28/2020								0.4	3.7
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		0.45	1.1	1.3	1.2		0.04 (J)		
3/25/2021									
3/26/2021	0.0094 (J)							0.24	
3/29/2021									4.1
3/30/2021						0.56			
7/19/2021									
7/20/2021									
8/16/2021	0.013 (J)								
8/18/2021		0.47		1.5	1.2	0.51	0.093		
8/19/2021			1.3						
8/20/2021								0.29	3.3
8/23/2021									
11/1/2021									
2/9/2022	0.0099 (J)								
2/10/2022		0.46					0.051		
2/11/2022			1.2	1.5	1.2	0.5			
2/14/2022									
2/15/2022									
2/16/2022								0.35	4.2
7/26/2022	0.014 (J)	0.47					0.052		
7/27/2022			1.2	1.7	1.2			0.43	3.8
7/28/2022						0.52			
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	0.01 (J)								
1/26/2023		0.41	1	1.6	1.3		0.051		
1/27/2023						0.53		0.18	
1/30/2023									4.7
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					1.4		0.034 (J)		
8/17/2023		0.56	1.3	1.9		0.57			
8/18/2023								0.39	4.8
8/21/2023	<0.04								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		0.48	1.2	2.2	1.6	0.51	0.04 (J)		
2/2/2024								0.22	
2/5/2024									5.9
2/6/2024									
2/8/2024	0.022 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
8/15/2024									
8/16/2024							0.023 (J)		
8/19/2024		0.5	1.3	2.5	1.5			0.58	
8/20/2024						0.5			5.3
8/21/2024	0.013 (J)								
8/22/2024									
2/4/2025									
2/5/2025		0.52			1.9		0.029 (J)		
2/6/2025				2.7		0.51			5.4
2/7/2025			1.2					0.4	
2/10/2025	0.018 (J)								
2/11/2025									
2/13/2025									
7/31/2025							0.039 (J)		
8/4/2025		0.45			1.6				
8/5/2025	0.013 (J)		1.1	2		0.48			
8/6/2025								0.59	
8/7/2025									4.7
8/11/2025									
8/12/2025									
8/13/2025									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	0.12	7.6	1.7	0.029 (J)	1.2				
6/9/2016						12	26		
8/9/2016									
8/10/2016									
8/11/2016			1.95						
8/12/2016					0.895				
8/15/2016				0.0228 (J)					
8/16/2016									
8/18/2016	0.191	8.37				5.2	22		
8/22/2016								0.0132 (J)	
10/3/2016									
10/4/2016								0.0065 (J)	
10/5/2016									
10/6/2016			2.06						
10/7/2016					1.33				
10/10/2016	0.13	9.46		0.0305 (J)		6.13	18.1		
11/29/2016									
12/1/2016								<0.04	
12/2/2016									
12/5/2016									
12/6/2016			2.05		1.5				
12/7/2016						5.7	9.19		
12/8/2016	0.144	11.1		0.0164 (J)					
1/10/2017								<0.04	
1/23/2017									18.6
2/7/2017									20.4
2/13/2017									
2/14/2017								<0.04	
2/15/2017			2.01						
2/16/2017					0.753				
2/17/2017	0.0685	12.2							
2/20/2017				0.0154 (J)		5.7	31.4		
3/27/2017									19.1
4/13/2017									
4/14/2017								<0.04	
4/17/2017									21.8
4/18/2017			2.58						
4/19/2017	0.0743				0.762	8.79	31.4		
4/20/2017		13.3		0.0283 (J)					
5/22/2017									26
5/25/2017								<0.04	
5/26/2017									
5/30/2017									
6/1/2017	0.0499			0.0467	0.663				
6/2/2017			2.22						
6/5/2017		9.19				6.39	29		18.6
7/7/2017									
7/10/2017								<0.04	
7/11/2017									25
7/12/2017									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			1.85		0.787				
7/17/2017				0.0171 (J)		7.06	33.8		
7/18/2017	0.0544								
7/19/2017		10.6							
8/23/2017									20.2
10/9/2017									
10/10/2017								<0.04	17
10/11/2017			1.72	0.0141 (J)	0.889	7.18	31.7		
10/12/2017	0.0494	12.7							
6/12/2018								0.0056 (J)	
6/13/2018			1.8			8.3	30.1		
6/14/2018	0.035 (J)	11		0.017 (J)	0.75				
6/15/2018									8.5
10/16/2018								0.0071 (J)	
10/17/2018									
10/18/2018			1.9		0.8				
10/19/2018	0.028 (J)								
10/22/2018		16.1		0.03 (J)		9	44.7		9.5
4/1/2019								0.0048 (J)	
4/2/2019			1.4		0.56 (J)				6.1 (J)
4/3/2019	0.12	7.9				6.5	23.3		
4/4/2019				0.02 (J)					
5/2/2019		10.1							
9/23/2019								0.0052 (J)	
9/24/2019			1.6						
9/25/2019									
9/26/2019					1.1				
9/27/2019		16.4				12			2.4
9/30/2019	0.04 (J)			0.038 (J)			36.8		
2/19/2020								0.0057 (J)	
2/25/2020		11.2							
2/26/2020									1.5
3/18/2020								0.0054 (J)	
3/19/2020			1.4						
3/20/2020	0.03 (J)	11.1			0.53				
3/23/2020						13			2.4
3/24/2020				0.032 (J)					
3/25/2020							34.5		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.04	
9/24/2020	0.037 (J)	18.8			0.72	13.7			
9/25/2020			1.3				30.8		2.1
9/28/2020				0.049 (J)					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								<0.04	
3/24/2021					0.5				
3/25/2021									1.1
3/26/2021				0.17		15.8	31		
3/29/2021	0.038 (J)	17.3							
3/30/2021			1.4						
7/19/2021		17.8				14	24		
7/20/2021									1.4
8/16/2021								<0.04	
8/18/2021									
8/19/2021			1.3	0.038 (J)	0.57				2.6
8/20/2021	0.045								
8/23/2021		17.2				14.4	22.8		
11/1/2021		18.3				17	25.8		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	0.053			0.048	0.56				
7/26/2022								0.013 (J)	
7/27/2022				0.051	0.53				
7/28/2022	0.035 (J)		1.1						
8/1/2022						14.8			2.7
8/2/2022		21.5					0.52		
10/21/2022							19.7		
1/24/2023								<0.04	
1/26/2023			1		0.45				
1/27/2023	0.026 (J)			0.029 (J)					
1/30/2023									
1/31/2023									
2/1/2023							18.4		3.2
2/2/2023						13.1			
2/7/2023		16.9							
8/15/2023									
8/16/2023								<0.04	
8/17/2023			1	0.075	0.64				
8/18/2023									
8/21/2023									2.3
8/22/2023		19.6							
8/23/2023	0.026 (J)					8.7			
8/25/2023							16.9		
1/30/2024							15.7		
1/31/2024									
2/1/2024									
2/2/2024			0.85		0.41				
2/5/2024	0.039 (J)			0.097				<0.04	
2/6/2024									2.9
2/8/2024		17.5				10.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024			0.77						
8/19/2024					0.53				
8/20/2024				0.27					
8/21/2024		12					15.9	<0.04	
8/22/2024	0.028 (J)					10.7			1.4
2/4/2025									
2/5/2025									
2/6/2025			0.83					<0.04	
2/7/2025					0.5				
2/10/2025	0.025 (J)			0.16					1.1
2/11/2025						6.7	12.5		
2/13/2025		13.2							
7/31/2025									
8/4/2025									
8/5/2025			0.69		0.46				1.7
8/6/2025									
8/7/2025		9.8		0.17					
8/11/2025	0.03 (J)					6	11.7		
8/12/2025								0.0092 (J)	
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	1.2	0.025 (J)	0.027 (J)		
11/10/2020	1.1	0.025 (J)	0.032 (J)		
12/15/2020	1.2	0.031 (J)	0.034 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	1.1	0.022 (J)	0.034 (J)		
1/28/2021				24.9	9.7
2/23/2021				24.3	10.7
3/23/2021					
3/24/2021	0.6				
3/25/2021		0.017 (J)	0.026 (J)		
3/26/2021					
3/29/2021					
3/30/2021				23.3	9.7
7/19/2021					
7/20/2021					
8/16/2021		0.021 (J)	0.034 (J)		
8/18/2021	1.3				
8/19/2021					
8/20/2021					
8/23/2021				21.1	7.7
11/1/2021					
2/9/2022	0.57	0.017 (J)	0.038 (J)		
2/10/2022					
2/11/2022					
2/14/2022				4.5	1.2
2/15/2022					
2/16/2022					
7/26/2022	1.3	0.022 (J)	0.017 (J)		
7/27/2022					
7/28/2022					0.87
8/1/2022				2.9	
8/2/2022					
10/21/2022					
1/24/2023		0.016 (J)	0.014 (J)		
1/26/2023	0.69				
1/27/2023					
1/30/2023					
1/31/2023				2.4	1.1
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023		0.034 (J)			
8/16/2023	1.7		0.01 (J)		
8/17/2023					
8/18/2023					
8/21/2023				3.1	
8/22/2023					1.9
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		0.023 (J)	0.024 (J)		
2/1/2024	1.7				
2/2/2024					
2/5/2024				1.3	0.77
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024		0.014 (J)	0.016 (J)		
8/16/2024	1.7				
8/19/2024					
8/20/2024				1.4	0.45
8/21/2024					
8/22/2024					
2/4/2025		0.022 (J)	0.022 (J)		
2/5/2025	1.7				
2/6/2025				1.1	
2/7/2025					0.72
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025		0.021 (J)	0.022 (J)		
8/4/2025	1.5				
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025					0.83
8/12/2025					
8/13/2025				1.1	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
6/6/2016	39	66							
6/7/2016			65	120	90	50	7.9		
6/8/2016								55	200
6/9/2016									
8/9/2016	32.2								
8/10/2016							36.8		
8/11/2016		65.2	61	111					
8/12/2016					76.6			61.2	196
8/15/2016									
8/16/2016						49.2			
8/18/2016									
8/22/2016									
10/3/2016	34.1								
10/4/2016							39.7		
10/5/2016		66.7							
10/6/2016					78.7				
10/7/2016			71	103		52.6		70.2	
10/10/2016									198
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			
12/7/2016								48.6	215
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	31.2								
2/14/2017							35.2		
2/15/2017		74.6			90.7				
2/16/2017			65.5	124		53.2		64.7	
2/17/2017									221
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	240
4/20/2017									
5/22/2017									
5/25/2017	33.8								
5/26/2017		70.4					41.7		
5/30/2017			72.6	111					
6/1/2017								50.8	286
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 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
7/13/2017					111				
7/14/2017			70.6	109				67	
7/17/2017									
7/18/2017									244
7/19/2017									
8/23/2017									
10/9/2017	33.6								
10/10/2017		61.7			93		36.9		
10/11/2017			67.3	109		55.7		57.3	222
10/12/2017									
6/12/2018	32.4	53.4		104			38.1		
6/13/2018									234
6/14/2018			65.7		109	58.4			
6/15/2018								49.7	
10/16/2018	34.6						44.8		
10/17/2018		63	69.7		110				
10/18/2018				112		57.8			
10/19/2018								63.1	
10/22/2018									241
4/1/2019	48.2	59.3			94.8		47.2		
4/2/2019			63.9	117		57.8			
4/3/2019								51.3	220
4/4/2019									
5/2/2019	44.8								
9/23/2019	36.3								
9/24/2019		57.6					42.4		
9/25/2019					115	58.1			
9/26/2019			94.2	136				80.8	243
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	40.1						43		
3/19/2020		61.5	68.1	130	120				
3/20/2020								52.1	
3/23/2020						61.1			253
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	45.2						41.6		
9/24/2020		59	84.9	141		58.8			
9/25/2020					135				
9/28/2020								50.1	273
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		59.9	72	140	144		42.1		
3/25/2021									
3/26/2021	46.7							46.4	
3/29/2021									296
3/30/2021						61.3			
7/19/2021									
7/20/2021									
8/16/2021	48.3								
8/18/2021		63		139	156	61.1	44.5		
8/19/2021			74						
8/20/2021								47.2	262
8/23/2021									
11/1/2021									
2/9/2022	52.3								
2/10/2022		65.6					44.9		
2/11/2022			83.5	160	164	66.2			
2/14/2022									
2/15/2022									
2/16/2022								60.5	288
7/26/2022	46.7	66.3					41.8		
7/27/2022			80.9	194	175			63.2	284
7/28/2022						63			
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	51.4								
1/26/2023		62.4	76.2	178	178		42.8		
1/27/2023						64		39.3	
1/30/2023									309
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					178		38.8		
8/17/2023		66.9	75.4	187		62.2			
8/18/2023								56.5	309
8/21/2023	49.5								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		60.1	79.9	203	194	62.8	39.9		
2/2/2024								51.7	
2/5/2024									309
2/6/2024									
2/8/2024	48.6								

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
8/15/2024									
8/16/2024							42.8		
8/19/2024		74.8	96	233	204			84.7	
8/20/2024						73.1			345
8/21/2024	54.8								
8/22/2024									
2/4/2025									
2/5/2025		72.8			224		44.5		
2/6/2025				221		71.4			327
2/7/2025			86.6					70.6	
2/10/2025	50.1								
2/11/2025									
2/13/2025									
7/31/2025							42.9		
8/4/2025		62.2			175				
8/5/2025	45.7		82.1	153		61.8			
8/6/2025								75.1	
8/7/2025									267
8/11/2025									
8/12/2025									
8/13/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	43	350	140	32	76				
6/9/2016						300	800		
8/9/2016									
8/10/2016									
8/11/2016			141						
8/12/2016					61.7				
8/15/2016				33.1					
8/16/2016									
8/18/2016	38.6	370				290	730		
8/22/2016								21.4	
10/3/2016									
10/4/2016								20.9	
10/5/2016									
10/6/2016			147						
10/7/2016					84.7				
10/10/2016	37.5	375		41		296	680		
11/29/2016									
12/1/2016								19.8	
12/2/2016									
12/5/2016									
12/6/2016			146		88.1				
12/7/2016						271	387		
12/8/2016	43.4	434		38.5					
1/10/2017								20.4	
1/23/2017									372
2/7/2017									351
2/13/2017									
2/14/2017								20.9	
2/15/2017			163						
2/16/2017					53.7				
2/17/2017	41	434							
2/20/2017				40.7		323	823		
3/27/2017									417
4/13/2017									
4/14/2017								20.7 (J)	
4/17/2017									415
4/18/2017			155						
4/19/2017	39.4				57.1	298	893 (J)		
4/20/2017		422		40.7					
5/22/2017									885
5/25/2017								22.8 (J)	
5/26/2017									
5/30/2017									
6/1/2017	42.3			44.2	44.8				
6/2/2017			156						
6/5/2017		398				310	1080		413
7/7/2017									
7/10/2017								22.3	
7/11/2017									449
7/12/2017									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			157		60				
7/17/2017				41.9		319	1120		
7/18/2017	40.9								
7/19/2017		461							
8/23/2017									409
10/9/2017									
10/10/2017								4.09	339
10/11/2017			137	41.1	67	438	1310		
10/12/2017	43.3	515							
6/12/2018								20.3 (J)	
6/13/2018			151			385	970		
6/14/2018	39.4	482		44.8	53.1				
6/15/2018									198
10/16/2018								19.4 (J)	
10/17/2018									
10/18/2018			154		60.4				
10/19/2018	40.6								
10/22/2018		575		52.2		424	1150		230
4/1/2019								24.6	
4/2/2019			140		53.3				181
4/3/2019	43.4	458				396	945		
4/4/2019				54.8					
5/2/2019		647							
9/23/2019								19.2	
9/24/2019			151						
9/25/2019									
9/26/2019					91.7				
9/27/2019		658				533			103
9/30/2019	43.2			47.8			1050		
2/19/2020								20.8	
2/25/2020		445							
2/26/2020									85.3
3/18/2020								22.4	
3/19/2020			142						
3/20/2020	48.2	514			49.3				
3/23/2020						602			107
3/24/2020				49.6					
3/25/2020							1100		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								20.1	
9/24/2020	42	750			68.7	647			
9/25/2020			138				998		93.3
9/28/2020				50.7					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								22.1	
3/24/2021					48.2				
3/25/2021									81.1
3/26/2021				52.8		717	821		
3/29/2021	46.6	714							
3/30/2021			145						
7/19/2021		693				728	717		
7/20/2021									87.8
8/16/2021								21.5	
8/18/2021									
8/19/2021			141	51.2	49.2				109
8/20/2021	45.1								
8/23/2021		681				638	827		
11/1/2021		708				695	808		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	44.1			51.4	49				
7/26/2022								20	
7/27/2022				52.1	65.9				
7/28/2022	43.1		136						
8/1/2022						559			111
8/2/2022		717					90		
10/21/2022							600		
1/24/2023								21	
1/26/2023			146		41.4				
1/27/2023	46.5			48.8					
1/30/2023									
1/31/2023									
2/1/2023							552		113
2/2/2023						543			
2/7/2023		583							
8/15/2023									
8/16/2023								20.9	
8/17/2023			125	48.1	57				
8/18/2023									
8/21/2023									98.8
8/22/2023		793							
8/23/2023	43.9					332			
8/25/2023							486		
1/30/2024							413		
1/31/2024									
2/1/2024									
2/2/2024			119		44.9				
2/5/2024	45.9			57.6				20.5	
2/6/2024									109
2/8/2024		561				347			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024			120						
8/19/2024					68.4				
8/20/2024				72					
8/21/2024		710					352	23.1	
8/22/2024	47.9					391			69.5
2/4/2025									
2/5/2025									
2/6/2025			125					23	
2/7/2025					52				
2/10/2025	45.6			66					69.4
2/11/2025						280	377		
2/13/2025		427							
7/31/2025									
8/4/2025									
8/5/2025			101		64.9				80.8
8/6/2025									
8/7/2025		252		54.8					
8/11/2025	43.5					228	337		
8/12/2025								20.1	
8/13/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	162	107	61.9		
11/10/2020	170	117	80.3		
12/15/2020	169	110	70.3		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	157	111	67.5		
1/28/2021				624	350
2/23/2021				674	379
3/23/2021					
3/24/2021	91.9				
3/25/2021		109	68.3		
3/26/2021					
3/29/2021					
3/30/2021				562	353
7/19/2021					
7/20/2021					
8/16/2021		108	61		
8/18/2021	166				
8/19/2021					
8/20/2021					
8/23/2021				561	286
11/1/2021					
2/9/2022	97.5	112	46.3		
2/10/2022					
2/11/2022					
2/14/2022				155	72.8
2/15/2022					
2/16/2022					
7/26/2022	185	105	34.5		
7/27/2022					
7/28/2022					52.3
8/1/2022				112	
8/2/2022					
10/21/2022					
1/24/2023		109	40.7		
1/26/2023	117				
1/27/2023					
1/30/2023					
1/31/2023				111	62.8
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023		102			
8/16/2023	196		37.7		
8/17/2023					
8/18/2023					
8/21/2023				123	
8/22/2023					85.7
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		102	38.7		
2/1/2024	177				
2/2/2024					
2/5/2024				73.1	57.8
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024		105	40.6		
8/16/2024	227				
8/19/2024					
8/20/2024				84.2	53.4
8/21/2024					
8/22/2024					
2/4/2025		108	42.6		
2/5/2025	215				
2/6/2025				79.3	
2/7/2025					60.5
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025		113	42.2		
8/4/2025	177				
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025					67.8
8/12/2025					
8/13/2025				80.1	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
6/6/2016	2.9	27							
6/7/2016			26	37	44	19	2		
6/8/2016								23	130
6/9/2016									
8/9/2016	2.5								
8/10/2016							2.1		
8/11/2016		30	34	41					
8/12/2016					43			26	130
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			38	44		21		41	
10/10/2016									140
11/29/2016	2.6								
12/1/2016									
12/2/2016							2.1		
12/5/2016		40			41				
12/6/2016			45	48		22			
12/7/2016								23	130
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			40	46		22		31	
2/17/2017									140
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	140
4/20/2017									
5/22/2017									
5/25/2017	2.4								
5/26/2017		35					1.6		
5/30/2017			41	38					
6/1/2017								13	130
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 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
7/13/2017					38				
7/14/2017			36	35				19	
7/17/2017									
7/18/2017									140
7/19/2017									
8/23/2017									
10/9/2017	1.9								
10/10/2017		35			38		1.9		
10/11/2017			45	36		24		19	130
10/12/2017									
6/12/2018	3.4	21.3		27.2			2.3		
6/13/2018									150
6/14/2018			33.3		30.5	23.1			
6/15/2018								9.3	
10/16/2018	3.3						2.6		
10/17/2018		29.4	41.8		30.7				
10/18/2018				25.2		26.9			
10/19/2018								15.3	
10/22/2018									149
4/1/2019	4.2	13.4			24.1		1.8		
4/2/2019			18.7	20.3		24.1			
4/3/2019								9.7	144
4/4/2019									
5/2/2019	4.3								
9/23/2019	3.1								
9/24/2019		13.2					1.5		
9/25/2019					23.6	25.1			
9/26/2019			47.1	28.7				26	128
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	3.1						1.5		
3/19/2020		7.3	21.9	22	20.5				
3/20/2020								6.6	
3/23/2020						20.8			125
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	4.2						1.5		
9/24/2020		9.2	50.1	28.8		25.4			
9/25/2020					20.2				
9/28/2020								8.6	152
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		8	35.6	24	18.4		1.5		
3/25/2021									
3/26/2021	3.6							5.8	
3/29/2021									131
3/30/2021						23.8			
7/19/2021									
7/20/2021									
8/16/2021	3.4								
8/18/2021		8.5		19.9	15.8	25.1	1.7		
8/19/2021			38.2						
8/20/2021								4.4	144
8/23/2021									
11/1/2021									
2/9/2022	3.7								
2/10/2022		8.9					1.6		
2/11/2022			38.5	22.3	16.4	28.2			
2/14/2022									
2/15/2022									
2/16/2022								6.7	141
7/26/2022	3.2	10.9					1.6		
7/27/2022			43.2	23.1	16.2			7.8	169
7/28/2022						30			
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	3.4								
1/26/2023		7.5	34	18.3	14.5		1.7		
1/27/2023						28.2		3.1	
1/30/2023									156
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					13.7		1.7		
8/17/2023		10.7	39.5	18.2		29.2			
8/18/2023								5.9	145
8/21/2023	2.9								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		9.3	41.8	18.5	14.2	30.1	1.5		
2/2/2024								3.5	
2/5/2024									140
2/6/2024									
2/8/2024	3.2								

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
8/15/2024									
8/16/2024							1.6		
8/19/2024		11.7	41.7	16.3	14.3			<1	
8/20/2024						29.8			135
8/21/2024	3.4								
8/22/2024									
2/4/2025									
2/5/2025		9.6			13.2		1.4		
2/6/2025				13.1		28.6			118
2/7/2025			35.9					6.5	
2/10/2025	3.1								
2/11/2025									
2/13/2025									
7/31/2025							1.7		
8/4/2025		8.5			13.5				
8/5/2025	3		32.4	9.8		29.1			
8/6/2025								11.1	
8/7/2025									130
8/11/2025									
8/12/2025									
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	7.1	440	11	6.4	48				
6/9/2016						480	1900		
8/9/2016									
8/10/2016									
8/11/2016			11						
8/12/2016					27				
8/15/2016				4.3					
8/16/2016									
8/18/2016	6.9	500				400	1600		
8/22/2016								4.2	
10/3/2016									
10/4/2016								2.1	
10/5/2016									
10/6/2016			11						
10/7/2016					72				
10/10/2016	7.1	480		3.5		390	1400		
11/29/2016									
12/1/2016								1.8	
12/2/2016									
12/5/2016									
12/6/2016			11		73				
12/7/2016						450	970		
12/8/2016	6.3	540		2.8					
1/10/2017								1.6	
1/23/2017									780
2/7/2017									780
2/13/2017									
2/14/2017								1.9	
2/15/2017			12						
2/16/2017					19				
2/17/2017	5.6	570							
2/20/2017				4.2		470	1900		
3/27/2017									790
4/13/2017									
4/14/2017								1.5	
4/17/2017									770
4/18/2017			12						
4/19/2017	5				13	420	1900		
4/20/2017		740		4.1					
5/22/2017									890
5/25/2017								1.5	
5/26/2017									
5/30/2017									
6/1/2017	4.9			4.4	8				
6/2/2017			11						
6/5/2017		530				450	1900		870
7/7/2017									
7/10/2017								1.6	
7/11/2017									840
7/12/2017									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			11		11				
7/17/2017				5		470	2100		
7/18/2017	4.2								
7/19/2017		540							
8/23/2017									800
10/9/2017									
10/10/2017								1.7	730
10/11/2017			12	4.1	24	510	1600		
10/12/2017	4.8	700							
6/12/2018								1.8	
6/13/2018			10.8			598	1880		
6/14/2018	3.3	725		3.4	7.3				
6/15/2018									390
10/16/2018								1.5	
10/17/2018									
10/18/2018			11.7		10.9				
10/19/2018	4.1								
10/22/2018		827		3.9		639	2050		400
4/1/2019								1.6	
4/2/2019			9.4		4.5				333
4/3/2019	5	856				679	1890		
4/4/2019				3.8					
5/2/2019		999							
9/23/2019								1.2	
9/24/2019			8						
9/25/2019									
9/26/2019					60.5				
9/27/2019		996				918			143
9/30/2019	4.7			5.2			2040		
2/19/2020								1.3	
2/25/2020		547							
2/26/2020									100
3/18/2020								1.4	
3/19/2020			8.4						
3/20/2020	4.2	665			5.3				
3/23/2020						788			117
3/24/2020				3.6					
3/25/2020							1670		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								1.1	
9/24/2020	4	1050			30.3	988			
9/25/2020			13.1				1640		127
9/28/2020				5.6					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								1.2	
3/24/2021					6.1				
3/25/2021									85.5
3/26/2021				5.7		928	1240		
3/29/2021	5	886							
3/30/2021			8.8						
7/19/2021		579				570	575		
7/20/2021									95.3
8/16/2021								1.1	
8/18/2021									
8/19/2021			7.6	5.1	10.4				117
8/20/2021	4.4								
8/23/2021		879				898	1250		
11/1/2021		744				688	661		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	4			5.7	7.7				
7/26/2022								0.97 (J)	
7/27/2022				6.2	14.9				
7/28/2022	4.7		8.9						
8/1/2022						794			114
8/2/2022		828					17.1		
10/21/2022							836		
1/24/2023								1.5	
1/26/2023			7.5		5.9				
1/27/2023	6.1			5.4					
1/30/2023									
1/31/2023									
2/1/2023							789		154
2/2/2023						737			
2/7/2023		803							
8/15/2023									
8/16/2023								1.3	
8/17/2023			8	11.4	12.6				
8/18/2023									
8/21/2023									97.6
8/22/2023		1020							
8/23/2023	5					439			
8/25/2023							641		
1/30/2024							533		
1/31/2024									
2/1/2024									
2/2/2024			6.5		5.3				
2/5/2024	5.2			17.6				1.1	
2/6/2024									123
2/8/2024		679				493			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024			6.7						
8/19/2024					7				
8/20/2024				34					
8/21/2024		815					352	1.2	
8/22/2024	5.2					482			72.4
2/4/2025									
2/5/2025									
2/6/2025			6.1					0.96 (J)	
2/7/2025					5.6				
2/10/2025	4.7			24.2					63.2
2/11/2025						277	352		
2/13/2025		381							
7/31/2025									
8/4/2025									
8/5/2025			6.8		5.3				98.5
8/6/2025									
8/7/2025		262		21.9					
8/11/2025	4.9					291	390		
8/12/2025								1.4	
8/13/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	18.6	6	7.5		
11/10/2020	19.6	5.5	7.7		
12/15/2020	20.7	6.3	8		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	21.9	5.7	7.2		
1/28/2021				835	484
2/23/2021				845	489
3/23/2021					
3/24/2021	14.1				
3/25/2021		5.7	7.5		
3/26/2021					
3/29/2021					
3/30/2021				772	472
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				756	384
11/1/2021					
2/9/2022	10.8	5.4	8.9		
2/10/2022					
2/11/2022					
2/14/2022				128	46.8
2/15/2022					
2/16/2022					
7/26/2022	19.6	5.5	4.6		
7/27/2022					
7/28/2022					33.9
8/1/2022				95.4	
8/2/2022					
10/21/2022					
1/24/2023		5.2	4.3		
1/26/2023	10.9				
1/27/2023					
1/30/2023					
1/31/2023				85.6	41.5
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023		4.9			
8/16/2023	18.2		4.3		
8/17/2023					
8/18/2023					
8/21/2023				108	
8/22/2023					64.6
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		4.7	7.3		
2/1/2024	17.3				
2/2/2024					
2/5/2024				42.6	34
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024		4.5	6.1		
8/16/2024	19.7				
8/19/2024					
8/20/2024				41.9	15.4
8/21/2024					
8/22/2024					
2/4/2025		4.6	5.8		
2/5/2025	20.6				
2/6/2025				34.5	
2/7/2025					31.3
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025		4.7	7.6		
8/4/2025	21.4				
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025					31.4
8/12/2025					
8/13/2025				46.1	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-7	BGWC-22
6/6/2016	0.11 (J)	0.12 (J)							
6/7/2016			<0.1	<0.1	0.15 (J)	<0.1	0.09 (J)		
6/8/2016								0.19 (J)	0.43
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)			0.15 (J)	
8/12/2016						0.08 (J)			
8/15/2016									
8/16/2016							0.09 (J)		
8/18/2016									0.3 (J)
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				0.08 (J)	0.14 (J)		0.17 (J)		
10/10/2016									0.32
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)	0.22 (J)	
12/7/2016									
12/8/2016									0.26 (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				0.31	0.51		0.38		
2/17/2017									0.39
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)	0.11 (J)	
4/19/2017					0.18 (J)				
4/20/2017									0.34
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									
6/2/2017						0.04 (J)	0.03 (J)	0.07 (J)	
6/5/2017									0.29 (J)
7/7/2017	0.13 (J)								
7/10/2017			0.03 (J)						
7/11/2017		0.2 (J)							
7/12/2017							0.15 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-7	BGWC-22
7/13/2017						0.17 (J)			
7/14/2017				0.14 (J)	0.16 (J)			0.23 (J)	
7/17/2017									
7/18/2017									
7/19/2017									0.33
8/23/2017									
10/9/2017	0.11 (J)								
10/10/2017		0.61	<0.1			0.08 (J)			
10/11/2017				0.29 (J)	0.64		0.07 (J)	0.1 (J)	
10/12/2017									0.31
3/26/2018	<0.1		<0.1						
3/27/2018		0.36		<0.1	0.33		<0.1	<0.1	
3/28/2018						<0.1			
3/29/2018									0.58
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)		0.15 (J)
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									0.78
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									0.34
4/1/2019	0.047 (J)	0.33	<0.1			0.065 (J)			
4/2/2019				0.23 (J)	0.14 (J)		0.044 (J)	0.22 (J)	
4/3/2019									0.23 (J)
4/4/2019									
5/2/2019	<0.1								1.4
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				<0.1	0.071 (J)				
9/27/2019									1
9/30/2019									
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									0.24 (J)
2/26/2020									
3/18/2020	<0.1		<0.1						
3/19/2020		0.074 (J)		0.052 (J)	0.12 (J)	<0.1		0.12 (J)	
3/20/2020									0.23 (J)
3/23/2020							<0.1		
3/24/2020									
3/25/2020									
5/22/2020									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-7	BGWC-22
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)		0.059 (J)	0.12		<0.1		0.24
9/25/2020						<0.1		0.11	
9/28/2020									
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021	<0.1		<0.1						
2/17/2021		0.086 (J)							
2/18/2021				0.064 (J)	0.1		<0.1	0.13	
2/19/2021						<0.1			0.2
2/23/2021									
3/8/2021									
3/23/2021									
3/24/2021		0.075 (J)	<0.1	0.053 (J)	0.11	<0.1			
3/25/2021									
3/26/2021	<0.1								
3/29/2021									0.22
3/30/2021							<0.1	0.18	
7/19/2021									0.24
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	
8/20/2021									
8/23/2021									0.23
11/1/2021									0.25
2/9/2022	<0.1								
2/10/2022		0.071 (J)	<0.1						
2/11/2022				0.056 (J)	0.1	<0.1	<0.1	0.12	
2/14/2022									
2/15/2022									0.24
2/16/2022									
7/26/2022	0.066 (J)	0.11	0.067 (J)						
7/27/2022				0.091 (J)	0.13	0.081 (J)			
7/28/2022							0.064 (J)	0.16	
8/1/2022									
8/2/2022									0.19
10/21/2022									
1/24/2023	0.055 (J)								
1/26/2023		0.09 (J)	0.063 (J)	0.091 (J)	0.13	0.083 (J)		0.15	
1/27/2023							0.058 (J)		
1/30/2023									
1/31/2023									
2/1/2023									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-7	BGWC-22
2/2/2023									
2/7/2023									0.26
8/15/2023									
8/16/2023			0.064 (J)			0.089 (J)			
8/17/2023		0.091 (J)		0.074 (J)	0.12		0.05 (J)	0.14	
8/18/2023									
8/21/2023	<0.1								
8/22/2023									0.23
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		0.074 (J)	0.051 (J)	0.072 (J)	0.12	0.071 (J)	0.051 (J)		
2/2/2024								0.15	
2/5/2024									
2/6/2024									
2/8/2024	<0.1								0.19
8/15/2024									
8/16/2024			0.066 (J)					0.17	
8/19/2024		0.1		0.1	0.14	0.088 (J)			
8/20/2024							0.067 (J)		
8/21/2024	0.065 (J)								0.22
8/22/2024									
2/4/2025									
2/5/2025		0.11	0.073 (J)			0.1			
2/6/2025				0.12			0.068 (J)	0.18	
2/7/2025					0.17				
2/10/2025	0.094 (J)								
2/11/2025									
2/13/2025									0.29
7/31/2025			0.055 (J)						
8/4/2025		0.11				0.1			
8/5/2025	0.055 (J)			0.086 (J)	0.14		0.055 (J)	0.15	
8/6/2025									
8/7/2025									0.27
8/11/2025									
8/12/2025									
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-20	BGWC-19	BGWC-18	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	0.14 (J)	0.09 (J)	<0.1	0.1 (J)	<0.1				
6/9/2016						<0.1	0.12 (J)		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016		0.04 (J)	0.2 (J)	0.39					
8/15/2016	0.08 (J)								
8/16/2016									
8/18/2016					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	0.1 (J)	0.06 (J)			0.04 (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		0.07 (J)	0.09 (J)			0.05 (J)	0.08 (J)		
12/8/2016	0.06 (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		0.06 (J)			0.08 (J)				
2/20/2017	0.16 (J)					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		0.005 (J)	0.09 (J)	0.08 (J)	0.04 (J)	0.21 (J)	0.03 (J)		
4/20/2017	0.02 (J)								
5/22/2017									0.05 (J)
5/25/2017								0.005 (J)	
5/26/2017									
5/30/2017									
6/1/2017	0.04 (J)	0.65	0.05 (J)	0.09 (J)	0.03 (J)				
6/2/2017									
6/5/2017						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									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-20	BGWC-19	BGWC-18	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			0.08 (J)	0.06 (J)					
7/17/2017	0.07 (J)					2.5	0.09 (J)		
7/18/2017		0.36			0.08 (J)				
7/19/2017									
8/23/2017									0.17 (J)
10/9/2017									
10/10/2017								<0.1	0.35
10/11/2017	0.11 (J)	<0.1	0.11 (J)	0.14 (J)		1.8	0.09 (J)		
10/12/2017					0.12 (J)				
3/26/2018								<0.1	0.75
3/27/2018			<0.1	<0.1					
3/28/2018	<0.1	<0.1			<0.1				
3/29/2018						2	<0.1		
6/12/2018								0.053 (J)	
6/13/2018		0.038 (J)				3.1	0.71		
6/14/2018	<0.1			0.095 (J)	<0.1				
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			0.17 (J)		<0.1				
10/22/2018	<0.1	<0.1				3.1	0.81		0.44
2/25/2019									
2/27/2019		0.13 (J)		<0.1				<0.1	
2/28/2019									
3/1/2019	0.12 (J)		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		0.072 (J)	0.051 (J)		0.032 (J)	3	0.1 (J)		
4/4/2019	<0.1								
5/2/2019									
9/23/2019								<0.1	
9/24/2019									
9/25/2019									
9/26/2019		<0.1	<0.1	0.052 (J)					
9/27/2019							0.54		0.13 (J)
9/30/2019	0.065 (J)				0.066 (J)	1.2			
2/18/2020									
2/19/2020								<0.1	
2/20/2020									
2/21/2020									
2/24/2020		<0.1	0.05 (J)	<0.1					
2/25/2020							0.066 (J)		
2/26/2020	<0.1				<0.1	0.064 (J)			0.057 (J)
3/18/2020								<0.1	
3/19/2020									
3/20/2020			<0.1	<0.1	<0.1				
3/23/2020		<0.1					0.056 (J)		0.054 (J)
3/24/2020	<0.1								
3/25/2020						0.056 (J)			
5/22/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-20	BGWC-19	BGWC-18	BGWC-21	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				0.058 (J)	<0.1		0.062 (J)		
9/25/2020						0.054 (J)			<0.1
9/28/2020	<0.1	<0.1	<0.1						
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021								<0.1	
2/17/2021									
2/18/2021		<0.1	<0.1	<0.1					
2/19/2021					<0.1	0.14	<0.1		
2/23/2021	<0.1								
3/8/2021									<0.1
3/23/2021								<0.1	
3/24/2021				<0.1					
3/25/2021									<0.1
3/26/2021	<0.1		0.053 (J)			0.095 (J)	0.054 (J)		
3/29/2021		<0.1			<0.1				
3/30/2021									
7/19/2021						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					<0.1
8/20/2021		<0.1	<0.1		<0.1				
8/23/2021						0.12	<0.1		
11/1/2021						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						<0.1			
2/16/2022	<0.1	<0.1	<0.1	<0.1	<0.1				
7/26/2022								0.058 (J)	
7/27/2022	0.051 (J)	0.062 (J)	0.071 (J)	0.081 (J)					
7/28/2022					<0.1				
8/1/2022							0.07 (J)		0.09 (J)
8/2/2022						0.097 (J)			
10/21/2022						0.14			
1/24/2023								0.052 (J)	
1/26/2023				0.056 (J)					
1/27/2023	0.053 (J)		0.077 (J)		<0.1				
1/30/2023		0.064 (J)							
1/31/2023									
2/1/2023						0.18			0.092 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-20	BGWC-19	BGWC-18	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
2/2/2023							0.074 (J)		
2/7/2023									
8/15/2023									
8/16/2023								0.06 (J)	
8/17/2023	<0.1			0.056 (J)					
8/18/2023		0.068 (J)	0.077 (J)						
8/21/2023									0.065 (J)
8/22/2023									
8/23/2023					<0.1		<0.1		
8/25/2023						0.15			
1/30/2024						0.13			
1/31/2024									
2/1/2024									
2/2/2024			0.069 (J)	<0.1					
2/5/2024	<0.1	0.056 (J)			<0.1			<0.1	
2/6/2024									0.073 (J)
2/8/2024							0.059 (J)		
8/15/2024									
8/16/2024									
8/19/2024			<0.1	0.081 (J)					
8/20/2024	0.055 (J)	0.072 (J)							
8/21/2024						0.17		0.061 (J)	
8/22/2024					<0.1		<0.1		0.087 (J)
2/4/2025									
2/5/2025									
2/6/2025		0.077 (J)						0.06 (J)	
2/7/2025			0.083 (J)	0.074 (J)					
2/10/2025	0.066 (J)				0.078 (J)				0.091 (J)
2/11/2025						0.17	0.056 (J)		
2/13/2025									
7/31/2025									
8/4/2025									
8/5/2025				0.077 (J)					0.073 (J)
8/6/2025			0.076 (J)						
8/7/2025	<0.1	0.061 (J)							
8/11/2025					<0.1	0.19	0.074 (J)		
8/12/2025								<0.1	
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
3/26/2018					
3/27/2018					
3/28/2018					
3/29/2018					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
2/25/2019					
2/27/2019					
2/28/2019					
3/1/2019					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/18/2020					
2/19/2020					
2/20/2020					
2/21/2020					
2/24/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
3/23/2020					
3/24/2020					
3/25/2020					
5/22/2020	0.065 (J)	0.054 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
5/25/2020			0.19 (J)		
6/23/2020	<0.1	<0.1	0.19		
7/28/2020	<0.1	<0.1	0.57		
9/2/2020	0.061 (J)	<0.1			
9/3/2020			0.11		
9/23/2020					
9/24/2020					
9/25/2020					
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	0.052 (J)	<0.1	<0.1		
1/20/2021	<0.1	<0.1	<0.1		
1/28/2021				0.17	0.1
2/16/2021					
2/17/2021		<0.1	<0.1		
2/18/2021	0.055 (J)				
2/19/2021					
2/23/2021				0.087 (J)	0.073 (J)
3/8/2021					
3/23/2021					
3/24/2021	<0.1				
3/25/2021		<0.1	<0.1		
3/26/2021					
3/29/2021					
3/30/2021				0.11	0.12
7/19/2021					
7/20/2021					
8/16/2021		<0.1	<0.1		
8/18/2021	<0.1				
8/19/2021					
8/20/2021					
8/23/2021				0.084 (J)	0.093 (J)
11/1/2021					
2/9/2022	<0.1	<0.1	0.065 (J)		
2/10/2022					
2/11/2022					
2/14/2022				0.13	0.1
2/15/2022					
2/16/2022					
7/26/2022	0.082 (J)	0.064 (J)	0.086 (J)		
7/27/2022					
7/28/2022					0.14
8/1/2022				0.16	
8/2/2022					
10/21/2022					
1/24/2023		0.05 (J)	0.076 (J)		
1/26/2023	0.084 (J)				
1/27/2023					
1/30/2023					
1/31/2023				0.15	0.14
2/1/2023					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
2/2/2023					
2/7/2023					
8/15/2023		0.06 (J)			
8/16/2023	0.076 (J)		0.075 (J)		
8/17/2023					
8/18/2023					
8/21/2023				0.14	
8/22/2023					0.098 (J)
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		0.05 (J)	0.082 (J)		
2/1/2024	0.066 (J)				
2/2/2024					
2/5/2024				0.13	0.085 (J)
2/6/2024					
2/8/2024					
8/15/2024		<0.1	0.064 (J)		
8/16/2024	0.082 (J)				
8/19/2024					
8/20/2024				0.18	0.14
8/21/2024					
8/22/2024					
2/4/2025		0.068 (J)	0.11		
2/5/2025	0.085 (J)				
2/6/2025				0.19	
2/7/2025					0.14
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025		<0.1	0.12		
8/4/2025	0.084 (J)				
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025					0.13
8/12/2025					
8/13/2025				0.18	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-10	BGWC-12	BGWC-8	BGWC-16	BGWC-17	BGWC-25	BGWC-22
6/6/2016	7.69	7.46							
6/7/2016			7.49	7.56	7.55	6.99	7.41		
6/8/2016								7.95	7.1
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					
8/15/2016								7.66	
8/16/2016			7.51						
8/18/2016									7.1
8/22/2016									
10/3/2016	7.74								
10/4/2016					7.57				
10/5/2016		7.37							
10/6/2016				7.26					
10/7/2016			7.58			6.79	7.33		
10/10/2016								7.26	6.77
11/29/2016	7.74								
12/1/2016									
12/2/2016					7.67				
12/5/2016		7.42		7.58					
12/6/2016			7.44			6.95	7.4		
12/7/2016									
12/8/2016								7.55	6.94
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	7.63								
2/14/2017					7.54				
2/15/2017		7.32		7.32					
2/16/2017			7.21			6.8	7.21		
2/17/2017									7.02
2/20/2017								7.45	
3/27/2017									
4/13/2017	7.57								
4/14/2017					7.63				
4/17/2017		7.23							
4/18/2017			7.39	7.31		6.9			
4/19/2017							7.06		
4/20/2017								7.58	6.95
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								7.65	
6/2/2017			7.38	7.36					
6/5/2017									7.07
7/7/2017	7.82								
7/10/2017					7.7				
7/11/2017		7.34							
7/12/2017			7.37						

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-10	BGWC-12	BGWC-8	BGWC-16	BGWC-17	BGWC-25	BGWC-22
7/13/2017				7.24					
7/14/2017						6.93	7.39		
7/17/2017								7.73	
7/18/2017									
7/19/2017									6.97
8/23/2017									
10/9/2017	7.8								
10/10/2017		7.28		7.46	7.72				
10/11/2017			7.37			6.78	7.3	7.5	
10/12/2017									6.95
3/26/2018	7.74				7.71				
3/27/2018		7.38	7.51			6.81	7.28		
3/28/2018				7.22				7.39	
3/29/2018									6.96
6/12/2018	7.88	7.51			7.71	7.01			
6/13/2018									
6/14/2018			7.48	7.35			7.22	7.35	6.92
6/15/2018									
10/16/2018	7.73				7.74				
10/17/2018		7.34		7.4			7.37		
10/18/2018			7.2			6.7			
10/19/2018									
10/22/2018								7.25	6.81
2/25/2019	7.78				7.75	6.74			
2/27/2019							7.38		
2/28/2019			7.55	7.28					
3/1/2019								7.5	6.9
4/1/2019	7.7	7.03		7.23	7.57				
4/2/2019			7.54			6.75	7.22		
4/3/2019									6.77
4/4/2019								7.38	
5/2/2019	7.71								6.92
9/23/2019	7.58								
9/24/2019		7.14			7.53				
9/25/2019			7.37	7.1					
9/26/2019						6.7	7.32		
9/27/2019									6.79
9/30/2019								7.36	
2/18/2020	7.67								
2/19/2020					7.68				
2/20/2020		7.37	7.46			6.48			
2/21/2020									
2/24/2020				7.28			7.16		
2/25/2020									6.72
2/26/2020								7.3	
3/18/2020	7.65				7.73				
3/19/2020		7.35		7.18		6.6	7.14		
3/20/2020									6.75
3/23/2020			7.51						
3/24/2020								7.36	
3/25/2020									
5/22/2020									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-10	BGWC-12	BGWC-8	BGWC-16	BGWC-17	BGWC-25	BGWC-22
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	7.32				7.67				
9/24/2020		7.34	7.54			6.66	7.2		6.82
9/25/2020				7.1					
9/28/2020								7.35	
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021	7.75				7.69				
2/17/2021		7.43							
2/18/2021			7.54			6.66	7.33		
2/19/2021				7					6.9
2/23/2021								7.44	
3/8/2021									
3/23/2021									
3/24/2021		7.26		7.04	7.65	6.7	7.27		
3/25/2021									
3/26/2021	7.63							7.36	
3/29/2021									6.71
3/30/2021			7.41						
7/19/2021									6.67
7/20/2021									
8/16/2021	7.46								
8/18/2021		7.49	7.34	7.09	7.7	6.66			
8/19/2021							6.94	7.15	
8/20/2021									
8/23/2021									6.59
11/1/2021									6.8
2/9/2022	7.36								
2/10/2022		7.28			7.59				
2/11/2022			7.58	7.18		6.57	7.27		
2/14/2022									
2/15/2022									6.89
2/16/2022								7.3	
7/26/2022	7.45	7.33			7.63				
7/27/2022				6.85		6.49	7.29	7.22	
7/28/2022			7.63						
8/1/2022									
8/2/2022									6.73
10/21/2022									
1/24/2023	7.32								
1/26/2023		7.04		6.68	7.34	6.56	7.21		
1/27/2023			7.02					7.14	
1/30/2023									
1/31/2023									
2/1/2023									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-10	BGWC-12	BGWC-8	BGWC-16	BGWC-17	BGWC-25	BGWC-22
2/2/2023									
2/7/2023									6.44
5/10/2023									
8/15/2023									
8/16/2023				6.7	7.36				
8/17/2023		6.79	7.18			6.22	6.9	6.97	
8/18/2023									
8/21/2023	7.18								
8/22/2023									6.4
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		7.01	7.23	6.46	6.98	6.51	6.87		
2/2/2024									
2/5/2024								7.2	
2/6/2024									
2/8/2024	7.01								6.44
8/15/2024									
8/16/2024					7.28				
8/19/2024		6.86		6.95		6.48	7.26		
8/20/2024			7.18					7.01	
8/21/2024	7.54								6.32
8/22/2024									
2/4/2025									
2/5/2025		7.29		6.92	7.64				
2/6/2025			7.51			6.25			
2/7/2025							7.11		
2/10/2025	7.54							7.47	
2/11/2025									
2/13/2025									6.85
7/31/2025					7.57				
8/4/2025		7.22		6.87					
8/5/2025	7.43		7.43			6.22	7.22		
8/6/2025									
8/7/2025								7.46	6.88
8/11/2025									
8/12/2025									
8/13/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-19	BGWC-21	BGWC-18	BGWC-24	BGWC-23	BGWC-7	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	7.45	6.58	7.88	6.93					
6/9/2016					6.83	7.3			
8/9/2016									
8/10/2016									
8/11/2016							6.94		
8/12/2016	7.18	6.59		6.98					
8/15/2016									
8/16/2016									
8/18/2016			7.86		6.88	7.27			
8/22/2016								7.91	
10/3/2016									
10/4/2016								7.81	
10/5/2016									
10/6/2016							6.96		
10/7/2016		6.77		6.91					
10/10/2016	6.66		7.96		6.95	7.35			
11/29/2016									
12/1/2016								8.06	
12/2/2016									
12/5/2016									
12/6/2016				7.06			7.16		
12/7/2016	7.46	6.63			6.91	7.23			
12/8/2016			7.82						
1/10/2017								7.97	
1/23/2017									7.39
2/7/2017									7.35
2/13/2017									
2/14/2017								7.89	
2/15/2017							7.05		
2/16/2017		6.55		6.62					
2/17/2017	7.17		7.56						
2/20/2017					6.71	7.17			
3/27/2017									7.46
4/13/2017									
4/14/2017								7.86	
4/17/2017									7.19
4/18/2017							7.17		
4/19/2017	7.01	6.5	7.42	6.75	6.76	7.22			
4/20/2017									
5/22/2017									7.4
5/25/2017								8.11	
5/26/2017									
5/30/2017									
6/1/2017	7.18	6.27	7.61	6.18					
6/2/2017							7.17		
6/5/2017					6.87	7.31			7.69
7/7/2017									
7/10/2017								8.12	
7/11/2017									7.29
7/12/2017									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-19	BGWC-21	BGWC-18	BGWC-24	BGWC-23	BGWC-7	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017		6.56		6.68			7.11		
7/17/2017					6.65	7.3			
7/18/2017	7.2		7.77						
7/19/2017									
8/23/2017									7.37
10/9/2017									
10/10/2017								8.13	7.34
10/11/2017	7.1	6.56		7	6.6	7.05	7.19		
10/12/2017			7.65						
3/26/2018								7.98	7.33
3/27/2018		6.52		6.41			7.13		
3/28/2018	7.19		7.69						
3/29/2018					6.7	7.06			
6/12/2018								8.09	
6/13/2018	7.24				6.58	7.19	6.95		
6/14/2018			7.7	6.61					
6/15/2018		6.5							7.35
10/16/2018								7.64	
10/17/2018									
10/18/2018				6.67			6.84		
10/19/2018		6.38	7.57						
10/22/2018	6.93				6.61	7.11			7.35
2/25/2019									
2/27/2019	7.26			6.58				8	
2/28/2019							7.05		
3/1/2019		6.7			6.57	7.16			7.32
4/1/2019								7.85	
4/2/2019				6.48			6.85		7.22
4/3/2019	7.14	6.58	7.69		6.57	7			
4/4/2019									
5/2/2019									
9/23/2019								7.98	
9/24/2019							6.92		
9/25/2019									
9/26/2019	7.1	6.55		6.99					
9/27/2019						7.02			7.2
9/30/2019			7.7		6.58				
2/18/2020									
2/19/2020								8.01	
2/20/2020									
2/21/2020							7.11		
2/24/2020	7.17	6.54		6.77					
2/25/2020						7.05			
2/26/2020			7.55		6.6				7.28
3/18/2020								8.12	
3/19/2020							7.1		
3/20/2020		6.56	7.69	6.35					
3/23/2020	7.14					6.93			7.28
3/24/2020									
3/25/2020					6.58				
5/22/2020									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-19	BGWC-21	BGWC-18	BGWC-24	BGWC-23	BGWC-7	BGWA-29 (bg)	BGWC-30
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								8.08	
9/24/2020			7.78	7.05		7.09			
9/25/2020					6.56		7.07		7.34
9/28/2020	7.26	6.45							
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021								8	
2/17/2021									
2/18/2021	7.35	6.66		6.48			6.89		
2/19/2021			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	7.24		7.75						
3/30/2021							7.05		
7/19/2021					6.53	6.93			
7/20/2021									7.28
8/16/2021								7.6	
8/18/2021									
8/19/2021				6.15			6.89		7.2
8/20/2021	7.07	6.33	7.8						
8/23/2021					6.44	6.73			
11/1/2021					6.75	6.94			7.3
2/9/2022									
2/10/2022								8.09	
2/11/2022							7.04722		
2/14/2022						7.15			7.29
2/15/2022					6.66				
2/16/2022	7.31	6.57	7.9	6.37					
7/26/2022								7.92	
7/27/2022	7.18	6.55		7.02					
7/28/2022			7.85				6.96		
8/1/2022						7			7.21
8/2/2022					6.73				
10/21/2022					6.3				
1/24/2023								7.77	
1/26/2023				6.2			6.63		
1/27/2023		6.61	7.76						
1/30/2023	7.18								
1/31/2023									
2/1/2023					6.68				7.15

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-19	BGWC-21	BGWC-18	BGWC-24	BGWC-23	BGWC-7	BGWA-29 (bg)	BGWC-30
2/2/2023						6.8			
2/7/2023									
5/10/2023						6.74			
8/15/2023									
8/16/2023								7.3	
8/17/2023				6.23			6.79		
8/18/2023	6.84	6.43							
8/21/2023									7
8/22/2023									
8/23/2023			6.96			6.69			
8/25/2023					6.36				
1/30/2024					6.26				
1/31/2024									
2/1/2024									
2/2/2024		6.29		5.77			6.89		
2/5/2024	7.25		6.9					7.62	
2/6/2024									6.75
2/8/2024						6.56			
8/15/2024									
8/16/2024							6.84		
8/19/2024		6.8		6.74					
8/20/2024	7.12								
8/21/2024					6.38			7.95	
8/22/2024			7.65			6.7			7.44
2/4/2025									
2/5/2025									
2/6/2025	7.16						7.03	8.13	
2/7/2025		6.72		6.59					
2/10/2025			7.68						7.37
2/11/2025					6.6	6.94			
2/13/2025									
7/31/2025									
8/4/2025									
8/5/2025				6.8			7.01		7.34
8/6/2025		6.7							
8/7/2025	7.16								
8/11/2025			7.61		6.59	7.03			
8/12/2025								7.92	
8/13/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
3/26/2018					
3/27/2018					
3/28/2018					
3/29/2018					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
2/25/2019					
2/27/2019					
2/28/2019					
3/1/2019					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/18/2020					
2/19/2020					
2/20/2020					
2/21/2020					
2/24/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
3/23/2020					
3/24/2020					
3/25/2020					
5/22/2020	7.2	7.15			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
5/25/2020			7.45		
6/23/2020	7.42	7	7.46		
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					
9/28/2020					
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		
1/28/2021				6.81	7.01
2/16/2021					
2/17/2021		6.89	7.21		
2/18/2021	7.14				
2/19/2021					
2/23/2021				6.71	6.95
3/8/2021					
3/23/2021					
3/24/2021	7.04				
3/25/2021		6.94	7.22		
3/26/2021					
3/29/2021					
3/30/2021				6.64	6.82
7/19/2021					
7/20/2021					
8/16/2021		6.8	7.13		
8/18/2021	6.86				
8/19/2021					
8/20/2021					
8/23/2021				6.61	6.84
11/1/2021					
2/9/2022	7.01	6.86	7.16		
2/10/2022					
2/11/2022					
2/14/2022				7.11	7.57
2/15/2022					
2/16/2022					
7/26/2022	6.78	6.75	7.37		
7/27/2022					
7/28/2022					7.62
8/1/2022				6.96	
8/2/2022					
10/21/2022					
1/24/2023		6.72	7.32		
1/26/2023	6.91				
1/27/2023					
1/30/2023					
1/31/2023				6.87	7.56
2/1/2023					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
2/2/2023					
2/7/2023					
5/10/2023					
8/15/2023		6.62			
8/16/2023	6.56		6.94		
8/17/2023					
8/18/2023					
8/21/2023				6.79	
8/22/2023					7.13
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		6.69	7.38		
2/1/2024	6.85				
2/2/2024					
2/5/2024				6.93	7.21
2/6/2024					
2/8/2024					
8/15/2024		6.93	7.56		
8/16/2024	6.83				
8/19/2024					
8/20/2024				7.24	7.68
8/21/2024					
8/22/2024					
2/4/2025		6.95	7.55		
2/5/2025	6.89				
2/6/2025				7.39	
2/7/2025					7.6
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025		6.81	7.47		
8/4/2025	6.8				
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025					7.42
8/12/2025					
8/13/2025				7.05	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
6/6/2016	8	100							
6/7/2016			120	240	190	99	26		
6/8/2016								110	530
6/9/2016									
8/9/2016	6.5								
8/10/2016							29		
8/11/2016		110	110	250					
8/12/2016					180			110	530
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			150	260		110		150	
10/10/2016									600
11/29/2016	5.2								
12/1/2016									
12/2/2016							37		
12/5/2016		130			130				
12/6/2016			130	280		110			
12/7/2016								97	580
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			120	380		110		130	
2/17/2017									710
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	610
4/20/2017									
5/22/2017									
5/25/2017	5.7								
5/26/2017		110					34		
5/30/2017			110	260					
6/1/2017								70	550
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 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
7/13/2017					250				
7/14/2017			110	260				110	
7/17/2017									
7/18/2017									590
7/19/2017									
8/23/2017									
10/9/2017	6.1								
10/10/2017		110			210		30		
10/11/2017			120	270		110		93	550
10/12/2017									
6/12/2018	8.3	80.6		246			35.2		
6/13/2018									541
6/14/2018			106		275	110			
6/15/2018								78.3	
10/16/2018	8.9						53		
10/17/2018		117	118		336				
10/18/2018				276		122			
10/19/2018								114	
10/22/2018									604
4/1/2019	10.8	81.4			239		30.5		
4/2/2019			86.9	272		105			
4/3/2019								90.6	593
4/4/2019									
5/2/2019	11.2								
9/23/2019	9								
9/24/2019		89					36.5		
9/25/2019					205	93.7			
9/26/2019			219	288				130	498
9/27/2019									
9/30/2019									
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	11.7						34.3		
3/19/2020		74.3	90.5	311	255				
3/20/2020								76.9	
3/23/2020						95.6			494
3/24/2020									
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	12.9						33.5		
9/24/2020		84.8	156	338		98.6			
9/25/2020					320				
9/28/2020								70.3	578
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		70.5	93.7	317	301		24.2		
3/25/2021									
3/26/2021	12.8							66.8	
3/29/2021									504
3/30/2021						104			
7/19/2021									
7/20/2021									
8/16/2021	12.7								
8/18/2021		71.7		297	326	97.9	34		
8/19/2021			91.7						
8/20/2021								47.5	550
8/23/2021									
11/1/2021									
2/9/2022	13.5								
2/10/2022		70					27.2		
2/11/2022			88.7	358	343	86.1			
2/14/2022									
2/15/2022									
2/16/2022								79.6	555
7/26/2022	13.2	88					31.6		
7/27/2022			118	496	419			82.7	617
7/28/2022						105			
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	12.5								
1/26/2023		63.6	110	490	463		24.3		
1/27/2023						97.3		38.2	
1/30/2023									622
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023					398		21		
8/17/2023		87.3	116	453		95			
8/18/2023								66	612
8/21/2023	14.4								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		78	132	551	495	96.9	21.4		
2/2/2024								48.2	
2/5/2024									649
2/6/2024									
2/8/2024	13.8								

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-20
8/15/2024									
8/16/2024							15.1		
8/19/2024		87	138	519	419			<1	
8/20/2024						92.6			623
8/21/2024	14.3								
8/22/2024									
2/4/2025									
2/5/2025		80			456		11.6		
2/6/2025				455		89.8			573
2/7/2025			119					91	
2/10/2025	14.7								
2/11/2025									
2/13/2025									
7/31/2025							16.2		
8/4/2025		80.3 (M1)			420				
8/5/2025	13.4		132 (M1)	400		95.9			
8/6/2025								111	
8/7/2025									585
8/11/2025									
8/12/2025									
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:14 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	75	660	410	10	120				
6/9/2016						510	730		
8/9/2016									
8/10/2016									
8/11/2016			460						
8/12/2016					81				
8/15/2016				10					
8/16/2016									
8/18/2016	66	730				480	580		
8/22/2016								4.2	
10/3/2016									
10/4/2016								6.4	
10/5/2016									
10/6/2016			440						
10/7/2016					140				
10/10/2016	57	650		10		460	520		
11/29/2016									
12/1/2016								7.8	
12/2/2016									
12/5/2016									
12/6/2016			470		160				
12/7/2016						490	370		
12/8/2016	68	660		13					
1/10/2017								4.5	
1/23/2017									410
2/7/2017									410
2/13/2017									
2/14/2017								5.1	
2/15/2017			510						
2/16/2017					92				
2/17/2017	57	740							
2/20/2017				24		520	610		
3/27/2017									410
4/13/2017									
4/14/2017								4.4	
4/17/2017									400
4/18/2017			450						
4/19/2017	52				80	490	600		
4/20/2017		990		26					
5/22/2017									460
5/25/2017								4.2	
5/26/2017									
5/30/2017									
6/1/2017	55			29	73				
6/2/2017			470						
6/5/2017		700				480	700		440
7/7/2017									
7/10/2017								3.5	
7/11/2017									420
7/12/2017									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			230		78				
7/17/2017				25		510	670		
7/18/2017	50								
7/19/2017		720							
8/23/2017									390
10/9/2017									
10/10/2017								3.3	420
10/11/2017			480	12	83	510	510		
10/12/2017	48	780							
6/12/2018								6.8	
6/13/2018			419			586	689		
6/14/2018	48.1	738		10	74.6				
6/15/2018									174
10/16/2018								7.6	
10/17/2018									
10/18/2018			438		89.3				
10/19/2018	57.2								
10/22/2018		846		8.1		590	723		204
4/1/2019								5.2	
4/2/2019			334		70.1				153
4/3/2019	61.9	720				603	648		
4/4/2019				11.4					
5/2/2019		827							
9/23/2019								6.6	
9/24/2019			266						
9/25/2019									
9/26/2019					114				
9/27/2019		905				721			51.7
9/30/2019	54.5			10.7			758		
2/19/2020								1.6	
2/25/2020		472							
2/26/2020									42.6
3/18/2020								3.7	
3/19/2020			287						
3/20/2020	57.8	610			75.9				
3/23/2020						612			55.7
3/24/2020				18.8					
3/25/2020							603		
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								5.3	
9/24/2020	57.8	864			69.9	676			
9/25/2020			298				613		53.6
9/28/2020				8.8					
10/1/2020									
11/10/2020									
12/15/2020									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								4.6	
3/24/2021					67.3				
3/25/2021									28.1
3/26/2021				21.3		679	515		
3/29/2021	55.2	772							
3/30/2021			290						
7/19/2021		506				335	194		
7/20/2021									37.2
8/16/2021								4.8	
8/18/2021									
8/19/2021			237	10.2	56.4				58.2
8/20/2021	54.6								
8/23/2021		848				628	527		
11/1/2021		690				410	225		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	48.7			13.7	61.5				
7/26/2022								3.6	
7/27/2022				12.6	55.5				
7/28/2022	55.3		268						
8/1/2022						528			63.3
8/2/2022		762					52.8		
10/21/2022							389		
1/24/2023								1.4	
1/26/2023			253		58.3				
1/27/2023	55.3			24.1					
1/30/2023									
1/31/2023									
2/1/2023							395		75.5
2/2/2023						514			
2/7/2023		707							
8/15/2023									
8/16/2023								3.8	
8/17/2023			207	20.2	60.8				
8/18/2023									
8/21/2023									54
8/22/2023		748							
8/23/2023	46.4					320			
8/25/2023							337		
1/30/2024							324		
1/31/2024									
2/1/2024									
2/2/2024			181		57.9				
2/5/2024	50.7			34.6				1.3	
2/6/2024									64.2
2/8/2024		549				368			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-7	BGWC-25	BGWC-18	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
8/15/2024									
8/16/2024			165						
8/19/2024					63				
8/20/2024				42					
8/21/2024		537					242	3.3	
8/22/2024	56.5					426			32.9
2/4/2025									
2/5/2025									
2/6/2025			147					2.2	
2/7/2025					62				
2/10/2025	51.6			42.4					29.4
2/11/2025						218	229		
2/13/2025		356							
7/31/2025									
8/4/2025									
8/5/2025			152		56.9 (M1)				48.7
8/6/2025									
8/7/2025		305		40.7					
8/11/2025	52.2 (R1M1)					214	267		
8/12/2025								2.8	
8/13/2025									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
5/2/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	382	70.2	26.6		
11/10/2020	354	68.9	24.1		
12/15/2020	406	78	28.3		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021	299	73.4	26.1		
1/28/2021				562	308
2/23/2021				536	320
3/23/2021					
3/24/2021	115				
3/25/2021		74.5	22		
3/26/2021					
3/29/2021					
3/30/2021				636	347
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				545	277
11/1/2021					
2/9/2022	130	72.7	19.1		
2/10/2022					
2/11/2022					
2/14/2022				114	64.1
2/15/2022					
2/16/2022					
7/26/2022	486	74.9	20.8		
7/27/2022					
7/28/2022					50.1
8/1/2022				94.4	
8/2/2022					
10/21/2022					
1/24/2023		67.2	22.4		
1/26/2023	213				
1/27/2023					
1/30/2023					
1/31/2023				135	77.2
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023		65.7			
8/16/2023	486		23		
8/17/2023					
8/18/2023					
8/21/2023				95	
8/22/2023					92.8
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024		69.1	54.2		
2/1/2024	483				
2/2/2024					
2/5/2024				60.5	52
2/6/2024					
2/8/2024					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-51	BGWC-52
8/15/2024		66.1	45.3		
8/16/2024	492				
8/19/2024					
8/20/2024				58.9	45.6
8/21/2024					
8/22/2024					
2/4/2025		65.4	44		
2/5/2025	440				
2/6/2025				58.8	
2/7/2025					64
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025		64.8	59.2		
8/4/2025	434				
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025					74.5
8/12/2025					
8/13/2025				99.7	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-17	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
6/6/2016	170	320							
6/7/2016			510	360	300	200	580		
6/8/2016								1000	170
6/9/2016									
8/9/2016	183								
8/10/2016						228			
8/11/2016		361		340			548		
8/12/2016			476					1100	
8/15/2016									161
8/16/2016					286				
8/18/2016									
8/22/2016									
10/3/2016	201								
10/4/2016						186			
10/5/2016		376							
10/6/2016			524						
10/7/2016				533	513		617		
10/10/2016								1110	196
11/29/2016	109								
12/1/2016									
12/2/2016						183			
12/5/2016		426	489						
12/6/2016				413	421		730		
12/7/2016								1100	
12/8/2016									209
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				434	433		685		
2/17/2017								1160	
2/20/2017									251
3/27/2017									
4/13/2017	211								
4/14/2017						184			
4/17/2017		388							
4/18/2017			955		349		621		
4/19/2017				415				1180	
4/20/2017									324
5/22/2017									
5/25/2017	173								
5/26/2017		423				179			
5/30/2017				391			601		
6/1/2017								1130	177
6/2/2017			602		313				
6/5/2017									
7/7/2017	165								
7/10/2017						211			
7/11/2017		387							
7/12/2017					255				

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-17	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
7/13/2017			617						
7/14/2017				391			569		
7/17/2017									238
7/18/2017								1160	
7/19/2017									
8/23/2017									
10/9/2017	150								
10/10/2017		376	534			178			
10/11/2017				403	343		588	1050	199
10/12/2017									
6/12/2018	187	348				217	593		
6/13/2018								1060	
6/14/2018			684	395	362				225
6/15/2018									
10/16/2018	192					247			
10/17/2018		377	739	446					
10/18/2018					355		578		
10/19/2018									
10/22/2018								1150	218
4/1/2019	226	326	191			191			
4/2/2019				321	355		604		
4/3/2019								1090	
4/4/2019									196
9/23/2019	186								
9/24/2019		325				193			
9/25/2019			690		388				
9/26/2019				550			688	1210	
9/27/2019									
9/30/2019									220
2/19/2020									
2/25/2020									
2/26/2020									
3/18/2020	191					193			
3/19/2020		306	662	324			631		
3/20/2020									
3/23/2020					355			1220	
3/24/2020									213
3/25/2020									
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	237					187			
9/24/2020		322		481	356		732		
9/25/2020			740						
9/28/2020								1060	223
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-17	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		294	752	374		198	610		
3/25/2021									
3/26/2021	204								215
3/29/2021								1100	
3/30/2021					321				
8/16/2021	217								
8/18/2021		307	798		366	220	658		
8/19/2021				384					235
8/20/2021								1300	
8/23/2021									
2/9/2022	229								
2/10/2022		304				259			
2/11/2022			816	392	360		782		
2/14/2022									
2/15/2022									
2/16/2022								1180	235
7/26/2022	215	349				196			
7/27/2022			952	438			944	1370	231
7/28/2022					338				
8/1/2022									
8/2/2022									
10/21/2022									
1/24/2023	223								
1/26/2023		301	995	396		190	895		
1/27/2023					380				310
1/30/2023								1280	
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023			1050			189			
8/17/2023		393		438	398		977		250
8/18/2023								1490	
8/21/2023	243								
8/22/2023									
8/23/2023									
8/25/2023									
1/30/2024									
1/31/2024									
2/1/2024		339	1150	445	391	202	1090		
2/2/2024									
2/5/2024								1490	279
2/6/2024									
2/8/2024	221								
8/15/2024									
8/16/2024						173			
8/19/2024		463	1090	524			1110		
8/20/2024					409			1620	332

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-17	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
8/21/2024	219								
8/22/2024									
2/4/2025									
2/5/2025		344	1130			173			
2/6/2025					402		1050	1430	
2/7/2025				442					
2/10/2025	234								286
2/11/2025									
2/13/2025									
7/31/2025						199			
8/4/2025		344	1100						
8/5/2025	242			504	438		865		
8/6/2025									
8/7/2025								1420 (2G)	284
8/11/2025									
8/12/2025									
8/13/2025									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-22	BGWC-7	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	390	340	2000	800	260				
6/9/2016						5200	1900		
8/9/2016									
8/10/2016									
8/11/2016				852					
8/12/2016	310	326							
8/15/2016									
8/16/2016									
8/18/2016			1960		239	4200	1600		
8/22/2016								121	
10/3/2016									
10/4/2016								95	
10/5/2016									
10/6/2016				906					
10/7/2016	823	621							
10/10/2016			2130		239	3850	1640		
11/29/2016									
12/1/2016								121	
12/2/2016									
12/5/2016									
12/6/2016	560			976					
12/7/2016		269				2720	1770		
12/8/2016			2200		255				
1/10/2017								115	
1/23/2017									2060
2/7/2017									1860
2/13/2017									
2/14/2017								345 (O)	
2/15/2017				968					
2/16/2017	364	488							
2/17/2017			2200		236				
2/20/2017						4200	1720		
3/27/2017									2440
4/13/2017									
4/14/2017								119	
4/17/2017									2180
4/18/2017				944					
4/19/2017	337	396			247	4680	1800		
4/20/2017			2330						
5/22/2017									2470
5/25/2017								109	
5/26/2017									
5/30/2017									
6/1/2017	215	266			185				
6/2/2017				910					
6/5/2017			2530			5660	2050		2780
7/7/2017									
7/10/2017								140	
7/11/2017									2580
7/12/2017									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-22	BGWC-7	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017	281	325		887					
7/17/2017						5080	1810		
7/18/2017					219				
7/19/2017			2650						
8/23/2017									2400
10/9/2017									
10/10/2017								93	1990
10/11/2017	334	287		887		4920	1780		
10/12/2017			2500		245				
6/12/2018								139	
6/13/2018				873		4180	2020		
6/14/2018	290		2380		231				
6/15/2018		280							1190
10/16/2018								138	
10/17/2018									
10/18/2018	325			876					
10/19/2018		321			236				
10/22/2018			2490			4300	1880		1070
4/1/2019								114	
4/2/2019	258			728					773
4/3/2019		259	2180		244	13 (J)	1990		
4/4/2019									
9/23/2019								122	
9/24/2019				733					
9/25/2019									
9/26/2019	470	428							
9/27/2019			3260				2540		629
9/30/2019					256	4430			
2/19/2020								113	
2/25/2020			1930						
2/26/2020									523
3/18/2020								108	
3/19/2020				733					
3/20/2020	255	243	2200		253				
3/23/2020							2800		613
3/24/2020									
3/25/2020						4140			
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								114	
9/24/2020	310		3490		243		3160		
9/25/2020				726		5020			482
9/28/2020		243							
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-22	BGWC-7	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
1/28/2021									
2/23/2021									
3/23/2021								108	
3/24/2021	240								
3/25/2021									358
3/26/2021		205				3070	2690		
3/29/2021			2430		198				
3/30/2021				570					
8/16/2021								101	
8/18/2021									
8/19/2021	252			666					682
8/20/2021		204			213				
8/23/2021			3660			4300	3140		
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	288			235				
7/26/2022								114	
7/27/2022	307	338							
7/28/2022				732	259				
8/1/2022							2780		582
8/2/2022			3440			334			
10/21/2022						1610			
1/24/2023								129	
1/26/2023	197			657					
1/27/2023		200			342				
1/30/2023									
1/31/2023									
2/1/2023						2550			745
2/2/2023							2680		
2/7/2023			2490						
8/15/2023									
8/16/2023								101	
8/17/2023	303			702					
8/18/2023		318							
8/21/2023									611
8/22/2023			3940						
8/23/2023					268		1620		
8/25/2023						2120			
1/30/2024						2180			
1/31/2024									
2/1/2024									
2/2/2024	220	237		598					
2/5/2024					267			111	
2/6/2024									511
2/8/2024			2560				1790		
8/15/2024									
8/16/2024				578					
8/19/2024	335	401							
8/20/2024									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-22	BGWC-7	BGWC-21	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
8/21/2024			2950			1440		105	
8/22/2024					249		2340		344
2/4/2025									
2/5/2025									
2/6/2025				562				119	
2/7/2025	264	345							
2/10/2025					243				282
2/11/2025						1500	1300		
2/13/2025			1670						
7/31/2025									
8/4/2025									
8/5/2025	345			571					528
8/6/2025		424							
8/7/2025			1370						
8/11/2025					253	1680	1450		
8/12/2025								115	
8/13/2025									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
6/6/2016					
6/7/2016					
6/8/2016					
6/9/2016					
8/9/2016					
8/10/2016					
8/11/2016					
8/12/2016					
8/15/2016					
8/16/2016					
8/18/2016					
8/22/2016					
10/3/2016					
10/4/2016					
10/5/2016					
10/6/2016					
10/7/2016					
10/10/2016					
11/29/2016					
12/1/2016					
12/2/2016					
12/5/2016					
12/6/2016					
12/7/2016					
12/8/2016					
1/10/2017					
1/23/2017					
2/7/2017					
2/13/2017					
2/14/2017					
2/15/2017					
2/16/2017					
2/17/2017					
2/20/2017					
3/27/2017					
4/13/2017					
4/14/2017					
4/17/2017					
4/18/2017					
4/19/2017					
4/20/2017					
5/22/2017					
5/25/2017					
5/26/2017					
5/30/2017					
6/1/2017					
6/2/2017					
6/5/2017					
7/7/2017					
7/10/2017					
7/11/2017					
7/12/2017					

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
7/13/2017					
7/14/2017					
7/17/2017					
7/18/2017					
7/19/2017					
8/23/2017					
10/9/2017					
10/10/2017					
10/11/2017					
10/12/2017					
6/12/2018					
6/13/2018					
6/14/2018					
6/15/2018					
10/16/2018					
10/17/2018					
10/18/2018					
10/19/2018					
10/22/2018					
4/1/2019					
4/2/2019					
4/3/2019					
4/4/2019					
9/23/2019					
9/24/2019					
9/25/2019					
9/26/2019					
9/27/2019					
9/30/2019					
2/19/2020					
2/25/2020					
2/26/2020					
3/18/2020					
3/19/2020					
3/20/2020					
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					
9/28/2020					
10/1/2020	384	824	301		
11/10/2020	405	800	305		
12/15/2020	385	876	289		
1/20/2021	377	786	285		

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
1/28/2021				1460	2950
2/23/2021				1590	2900
3/23/2021					
3/24/2021		445			
3/25/2021	415		331		
3/26/2021					
3/29/2021					
3/30/2021				1170	1980
8/16/2021	399		269		
8/18/2021		850			
8/19/2021					
8/20/2021					
8/23/2021				1960	3370
2/9/2022	403	468	290		
2/10/2022					
2/11/2022					
2/14/2022				321	632
2/15/2022					
2/16/2022					
7/26/2022	402	966	246		
7/27/2022					
7/28/2022				236	
8/1/2022					502
8/2/2022					
10/21/2022					
1/24/2023	391		280		
1/26/2023		554			
1/27/2023					
1/30/2023					
1/31/2023				286	664
2/1/2023					
2/2/2023					
2/7/2023					
8/15/2023	399				
8/16/2023		1090	267		
8/17/2023					
8/18/2023					
8/21/2023					704
8/22/2023				468	
8/23/2023					
8/25/2023					
1/30/2024					
1/31/2024	411		324		
2/1/2024		1040			
2/2/2024					
2/5/2024				268	335
2/6/2024					
2/8/2024					
8/15/2024	388		299		
8/16/2024		1070			
8/19/2024					
8/20/2024				227	367

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/16/2025 11:15 AM View: Appendix III Interwell

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-52	BGWC-51
8/21/2024					
8/22/2024					
2/4/2025	406		324		
2/5/2025		984			
2/6/2025					321
2/7/2025				282	
2/10/2025					
2/11/2025					
2/13/2025					
7/31/2025	382		336		
8/4/2025		1040			
8/5/2025					
8/6/2025					
8/7/2025					
8/11/2025				321	
8/12/2025					
8/13/2025					432

FIGURE F.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 12:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-7	-0.1543	-239	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.02359	-139	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.07463	214	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1597	82	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.0487	-133	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.05341	-193	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.2387	183	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.105	183	139	Yes	29	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	0.7725	127	124	Yes	27	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-1.988	-139	-131	Yes	28	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.008181	175	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-2.398	-221	-131	Yes	28	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-5.625	-59	-38	Yes	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-52	-2.12	-47	-38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.45	212	118	Yes	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.68	263	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	15.18	82	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	10.62	196	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.04	217	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	38.25	185	139	Yes	29	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-72.18	-156	-131	Yes	28	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.09485	-200	-118	Yes	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3306	-114	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.108	217	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-3.872	-279	-111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.324	-235	-111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-19	-2.64	-191	-111	Yes	25	4	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-183.1	-218	-131	Yes	28	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-25	0.6008	162	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-94.13	-242	-131	Yes	28	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-176.1	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-52	-101.3	-48	-38	Yes	12	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWA-2 (bg)	-0.04727	-223	-146	Yes	30	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWA-47D (bg)	-0.07964	-92	-74	Yes	19	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWC-16	-0.06845	-298	-139	Yes	29	0	n/a	n/a	0.01	NP
pH, Field (SU)	BGWC-24	-0.04198	-242	-161	Yes	32	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.076	242	118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.3887	-133	-118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.32	-207	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-4.32	-153	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.845	-157	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	30.69	229	111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	21.47	197	111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-7.493	-132	-111	Yes	25	4	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-49.74	-178	-131	Yes	28	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-51	-99.68	-44	-38	Yes	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-2 (bg)	7.289	168	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-7	-41.34	-212	-111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-12	70.58	226	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-14A	73.4	78	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-16	43.77	180	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-20	40.67	173	111	Yes	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-24	-354.9	-149	-118	Yes	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-30	-245	-215	-118	Yes	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-51	-504	-42	-38	Yes	12	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 12:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	0.0002862	32	118	No	26	11.54	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	16	118	No	26	57.69	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.0008838	-36	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	-0.0003991	-10	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-7**	**-0.1543**	**-239**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-9**	**-0.02359**	**-139**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-10	0.001088	25	111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-12**	**0.07463**	**214**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-14A**	**0.1597**	**82**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-16	0.05815	86	111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-17**	**-0.0487**	**-133**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-18**	**-0.05341**	**-193**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BGWC-19	-0.03496	-103	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BGWC-20**	**0.2387**	**183**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-22**	**1.105**	**183**	**139**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-23**	**0.7725**	**127**	**124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-24**	**-1.988**	**-139**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-25**	**0.008181**	**175**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-30**	**-2.398**	**-221**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-51**	**-5.625**	**-59**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BGWC-52**	**-2.12**	**-47**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWA-2 (bg)**	**2.45**	**212**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWA-29 (bg)	0.03279	20	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	0.8639	23	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-1.03	-15	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BGWC-12**	**14.68**	**263**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-14A**	**15.18**	**82**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-16**	**10.62**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-20**	**14.04**	**217**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BGWC-22**	**38.25**	**185**	**139**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BGWC-23	36.95	103	124	No	27	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BGWC-24**	**-72.18**	**-156**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-2 (bg)	0.08983	80	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWA-29 (bg)**	**-0.09485**	**-200**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWA-47D (bg)**	**-0.3306**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWA-48D (bg)	0.1124	17	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-10**	**1.108**	**217**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-12**	**-3.872**	**-279**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-14A	-0.02412	-3	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-16**	**-3.324**	**-235**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-17	0.1003	14	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-19**	**-2.64**	**-191**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BGWC-20	0.212	34	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	34.79	107	139	No	29	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	28.23	69	124	No	27	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BGWC-24**	**-183.1**	**-218**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-25**	**0.6008**	**162**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-30**	**-94.13**	**-242**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-51**	**-176.1**	**-54**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BGWC-52**	**-101.3**	**-48**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWA-2 (bg)**	**-0.04727**	**-223**	**-146**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-29 (bg)	-0.00856	-32	-139	No	29	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWA-47D (bg)**	**-0.07964**	**-92**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BGWA-48D (bg)	-0.0211	-10	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BGWC-16**	**-0.06845**	**-298**	**-139**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BGWC-24**	**-0.04198**	**-242**	**-161**	**Yes**	**32**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-2 (bg)**	**1.076**	**242**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWA-29 (bg)**	**-0.3887**	**-133**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWA-47D (bg)	-0.06628	-4	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	2.359	15	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-7**	**-36.32**	**-207**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-9**	**-4.32**	**-153**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-10**	**-1.845**	**-157**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-12**	**30.69**	**229**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-14A	39.04	68	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-16**	**21.47**	**197**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BGWC-17	0	-1	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-19**	**-7.493**	**-132**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

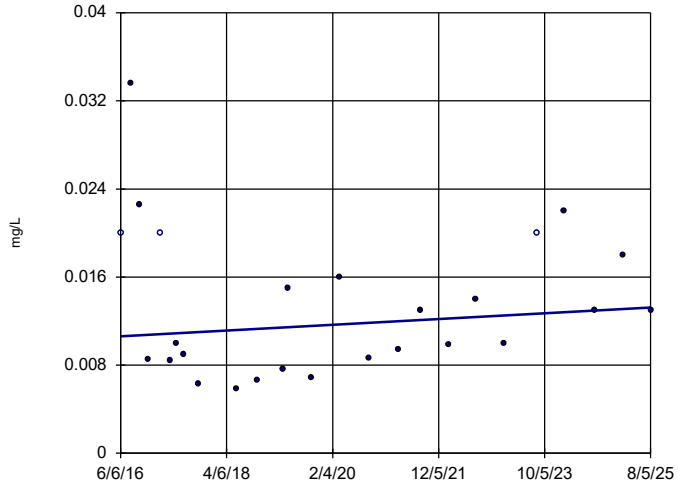
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/16/2025, 12:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-20	3.981	56	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	-15.82	-66	-139	No	29	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	-12.52	-32	-124	No	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BGWC-24**	**-49.74**	**-178**	**-131**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BGWC-51**	**-99.68**	**-44**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWA-2 (bg)**	**7.289**	**168**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWA-29 (bg)	-1.105	-50	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-47D (bg)	3.024	26	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWA-48D (bg)	6.898	41	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-7**	**-41.34**	**-212**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-10	7.927	101	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-12**	**70.58**	**226**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-14A**	**73.4**	**78**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-16**	**43.77**	**180**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-17	7.132	76	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-19	-7.771	-55	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-20**	**40.67**	**173**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BGWC-22	84.44	87	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	BGWC-23	94.4	62	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BGWC-24**	**-354.9**	**-149**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-30**	**-245**	**-215**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BGWC-51**	**-504**	**-42**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0.0002862 units per year.

Mann-Kendall statistic = 32
critical = 118

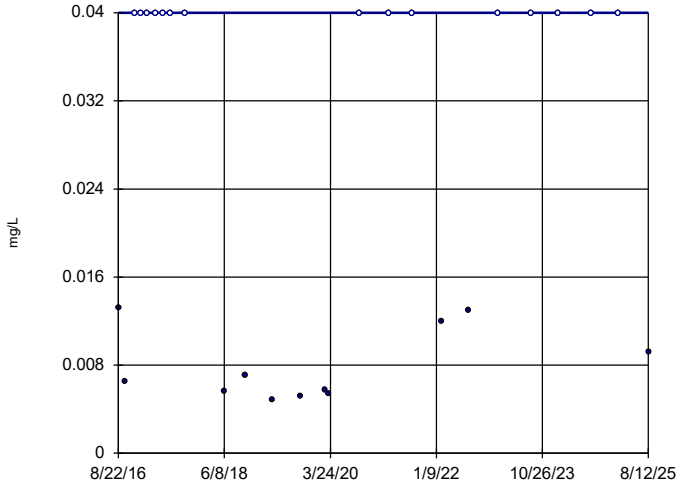
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 118

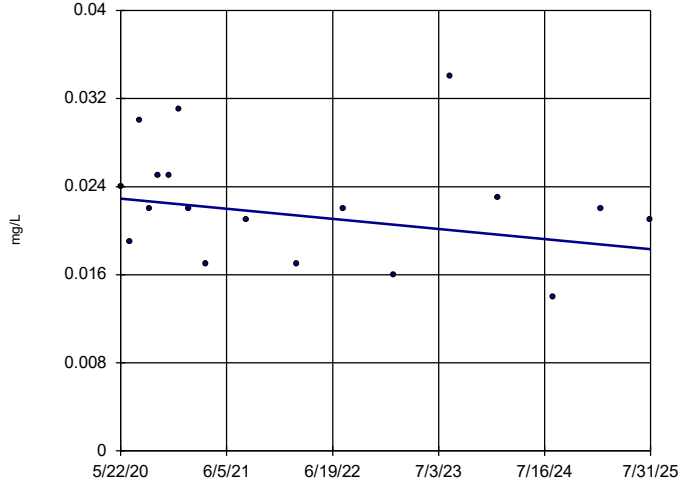
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.0008838 units per year.

Mann-Kendall statistic = -36
critical = -68

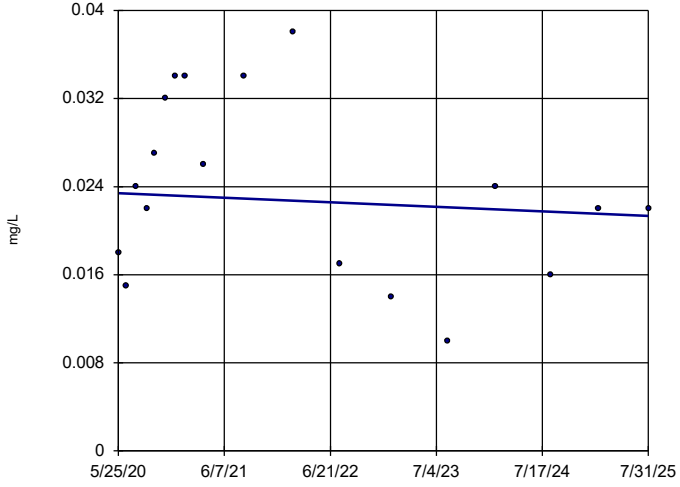
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = -0.0003991 units per year.

Mann-Kendall statistic = -10
critical = -68

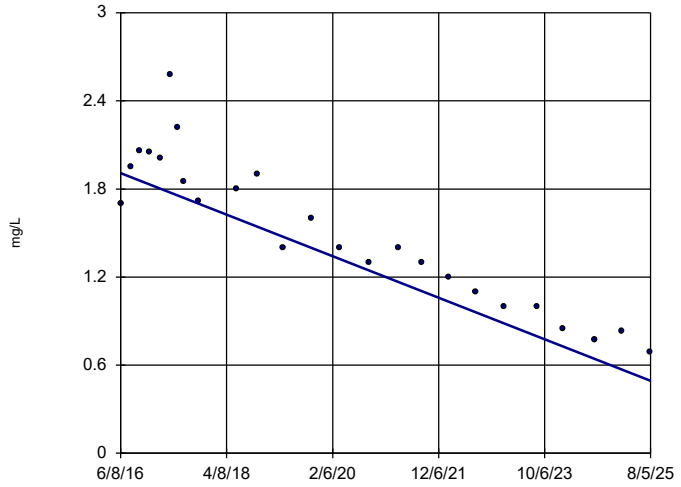
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 25

Slope = -0.1543 units per year.

Mann-Kendall statistic = -239 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

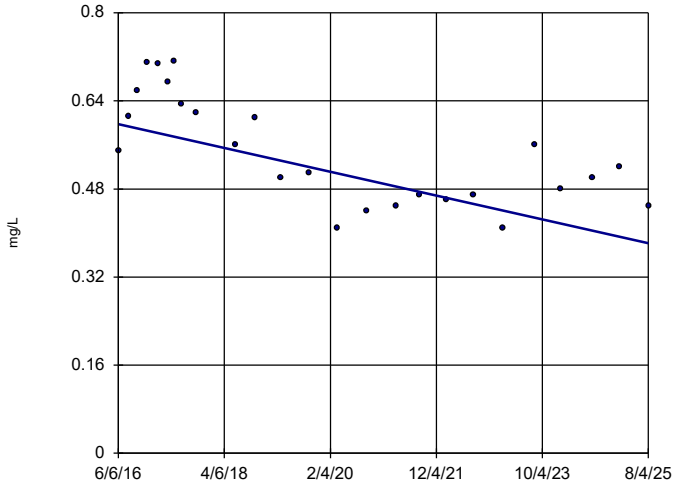
Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-9



n = 25

Slope = -0.02359 units per year.

Mann-Kendall statistic = -139 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

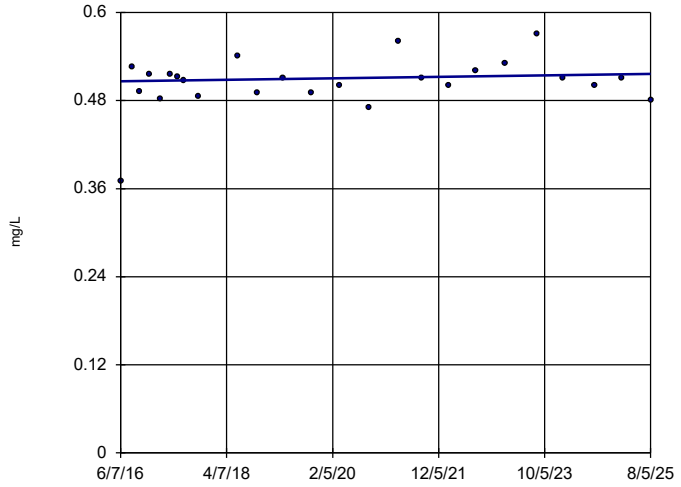
Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 25

Slope = 0.001088 units per year.

Mann-Kendall statistic = 25 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

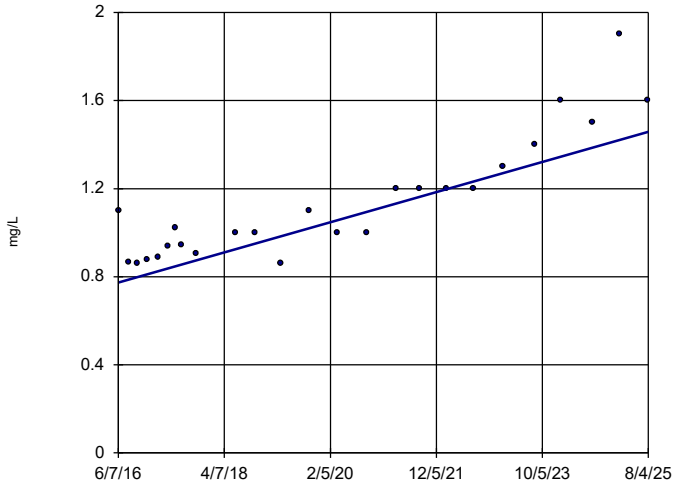
Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 25

Slope = 0.07463 units per year.

Mann-Kendall statistic = 214 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

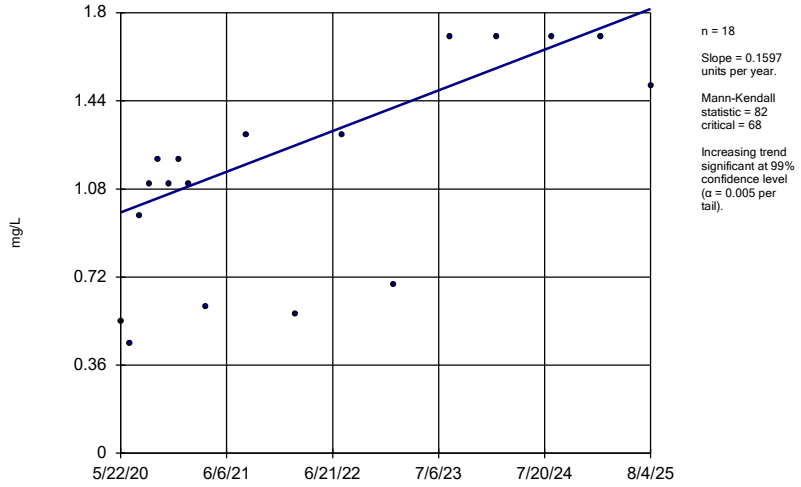
Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 18

Slope = 0.1597 units per year.

Mann-Kendall statistic = 82 critical = 68

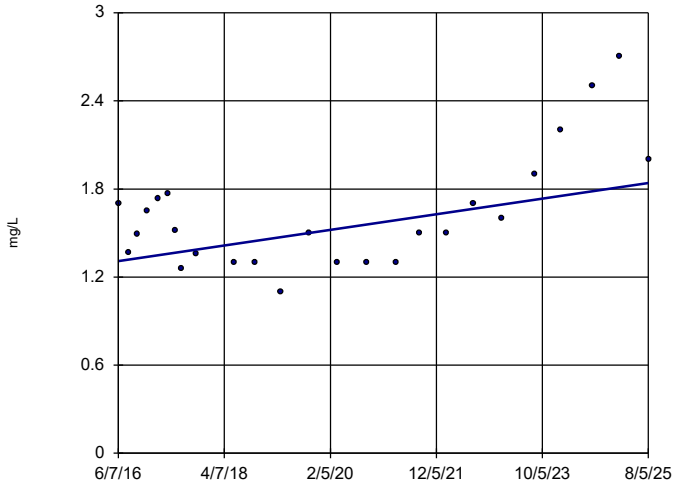
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 25

Slope = 0.05815 units per year.

Mann-Kendall statistic = 86 critical = 111

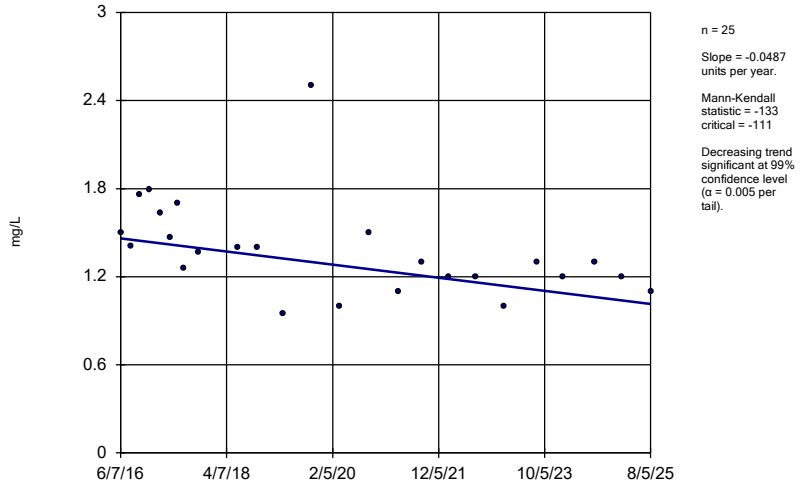
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 25

Slope = -0.0487 units per year.

Mann-Kendall statistic = -133 critical = -111

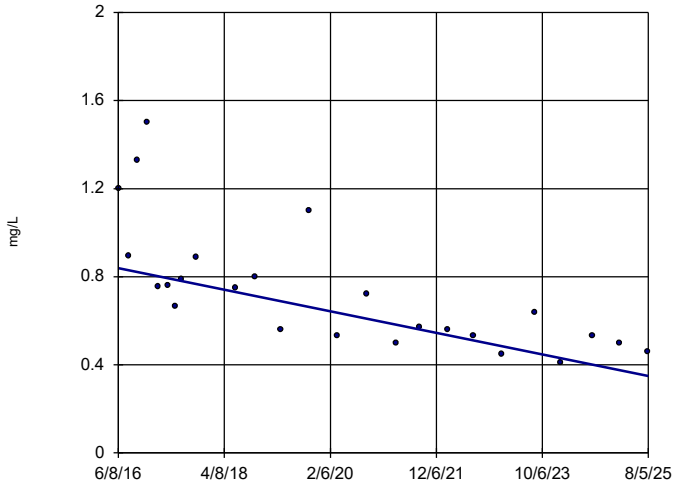
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-18



n = 25

Slope = -0.05341 units per year.

Mann-Kendall statistic = -193 critical = -111

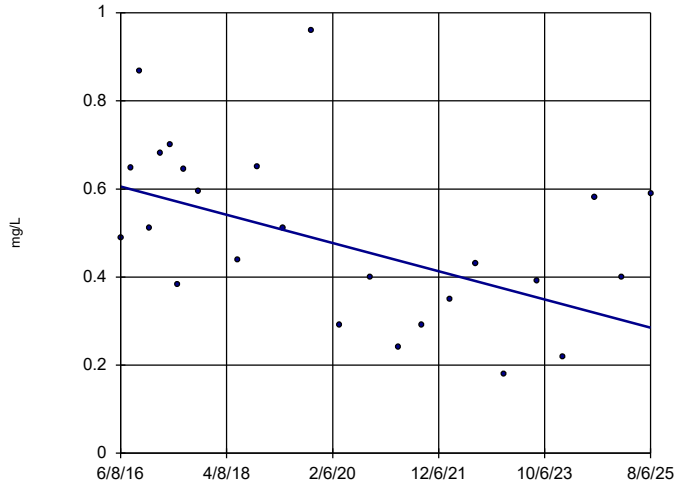
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-19



n = 25

Slope = -0.03496 units per year.

Mann-Kendall statistic = -103 critical = -111

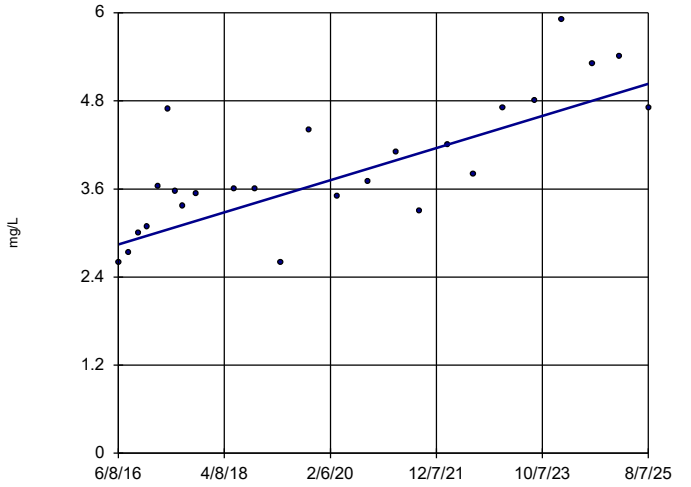
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 25

Slope = 0.2387 units per year.

Mann-Kendall statistic = 183 critical = 111

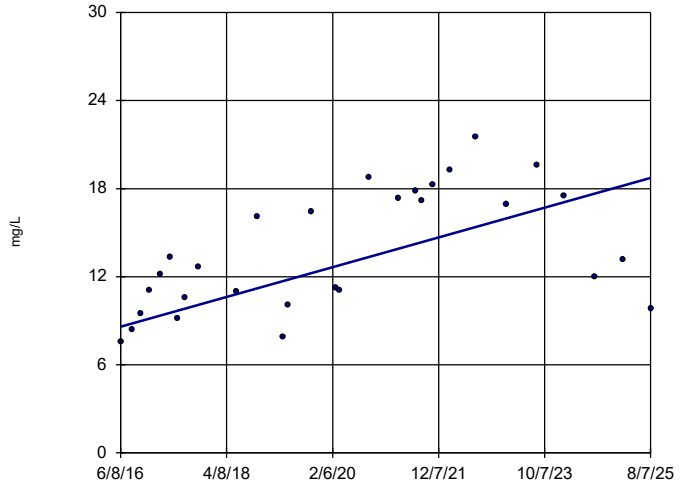
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 29

Slope = 1.105 units per year.

Mann-Kendall statistic = 183 critical = 139

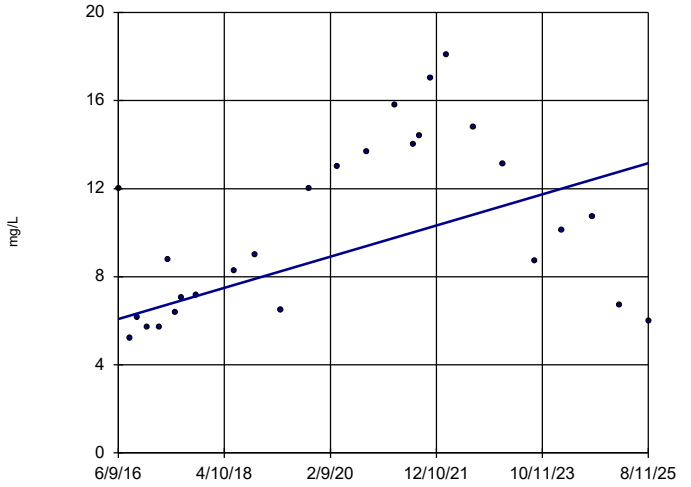
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 27

Slope = 0.7725 units per year.

Mann-Kendall statistic = 127 critical = 124

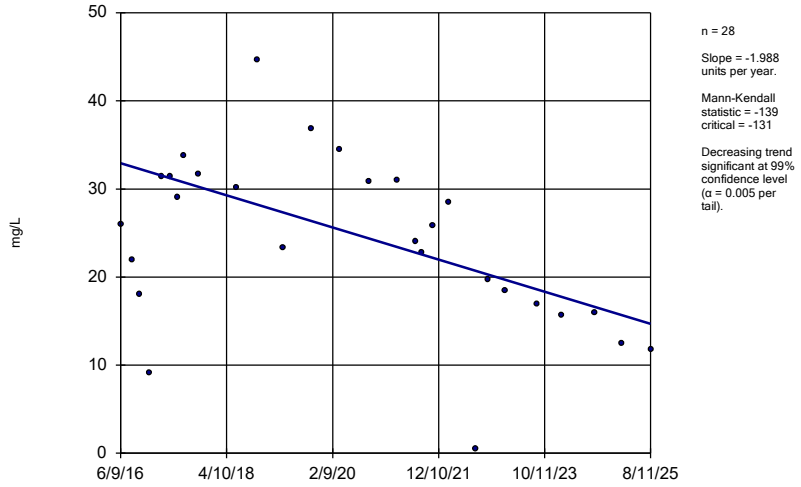
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 28

Slope = -1.988 units per year.

Mann-Kendall statistic = -139
critical = -131

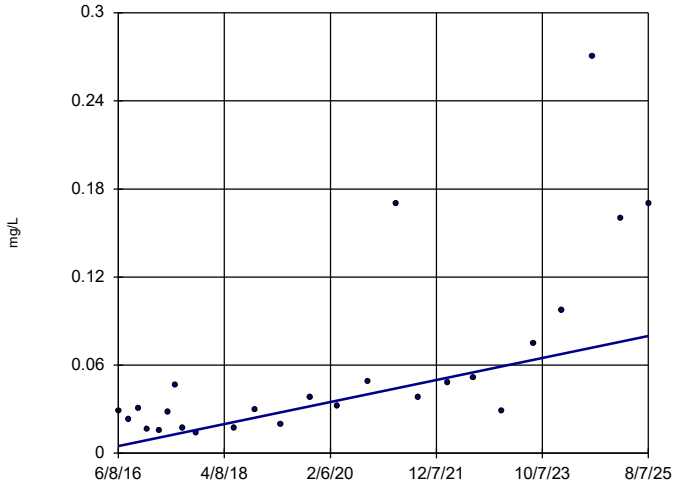
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-25



n = 25

Slope = 0.008181 units per year.

Mann-Kendall statistic = 175
critical = 111

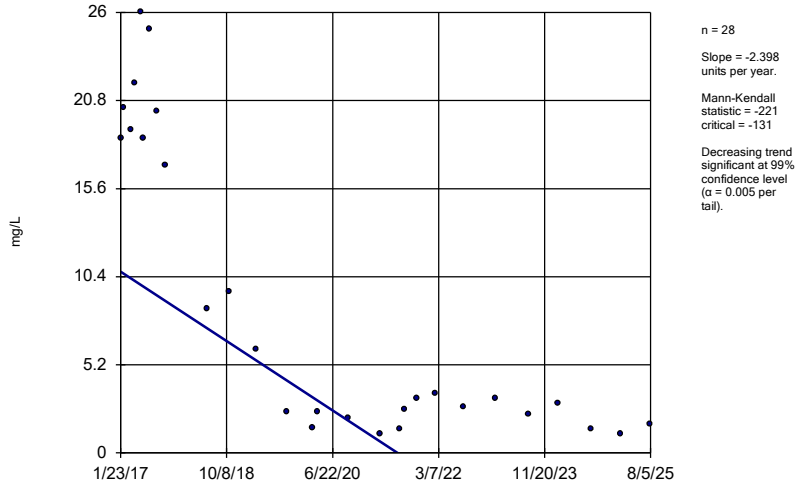
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-30



n = 28

Slope = -2.398 units per year.

Mann-Kendall statistic = -221
critical = -131

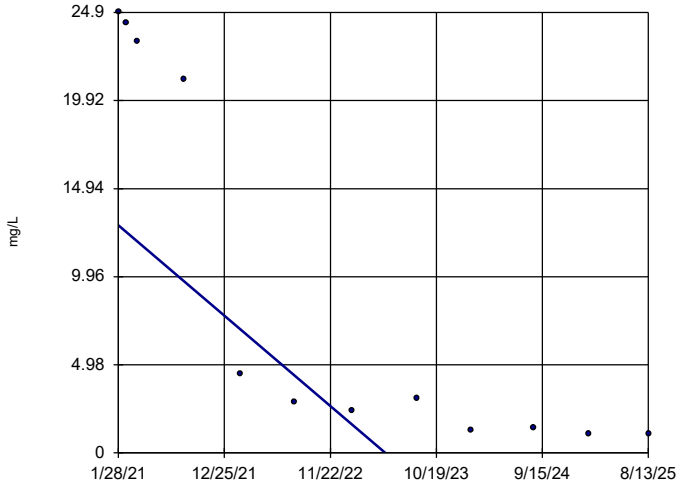
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-51



n = 12

Slope = -5.625 units per year.

Mann-Kendall statistic = -59
critical = -38

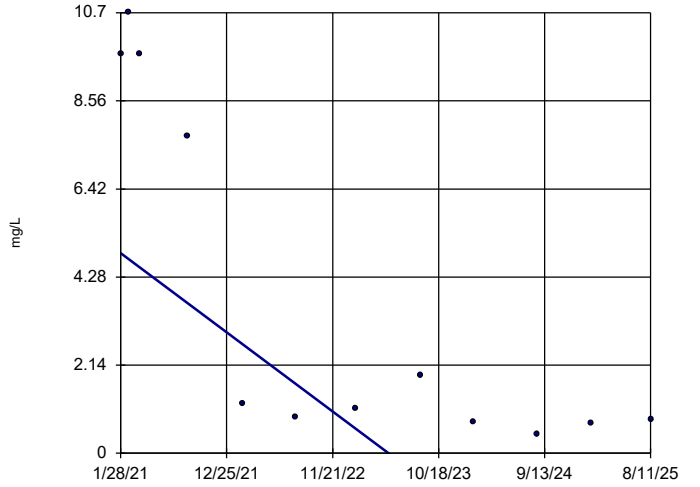
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-52



n = 12

Slope = -2.12 units per year.

Mann-Kendall statistic = -47 critical = -38

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

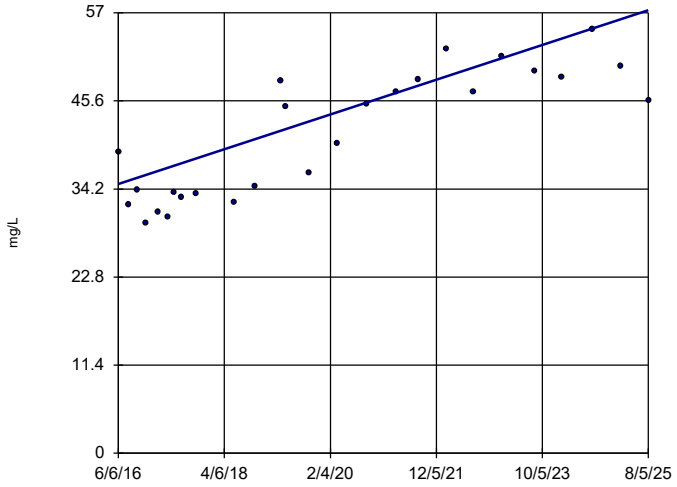
Constituent: Boron Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 2.45 units per year.

Mann-Kendall statistic = 212 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

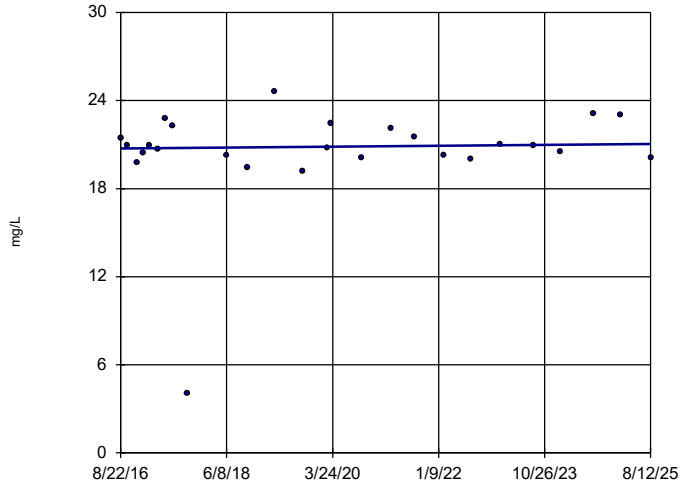
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = 0.03279 units per year.

Mann-Kendall statistic = 20 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

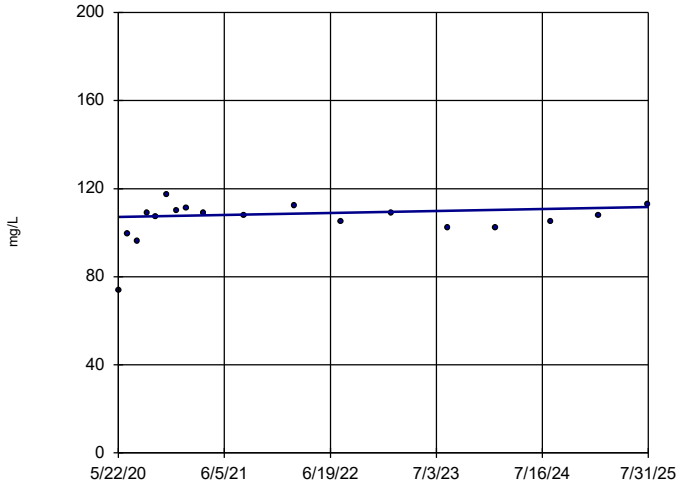
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 0.8639 units per year.

Mann-Kendall statistic = 23 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

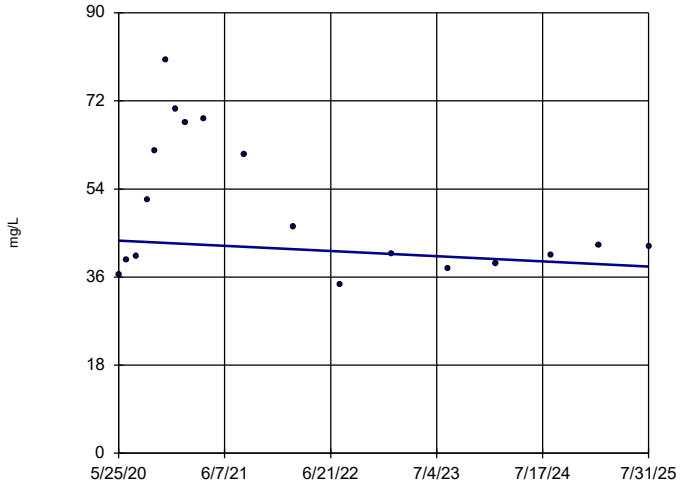
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = -1.03 units per year.

Mann-Kendall statistic = -15
critical = -68

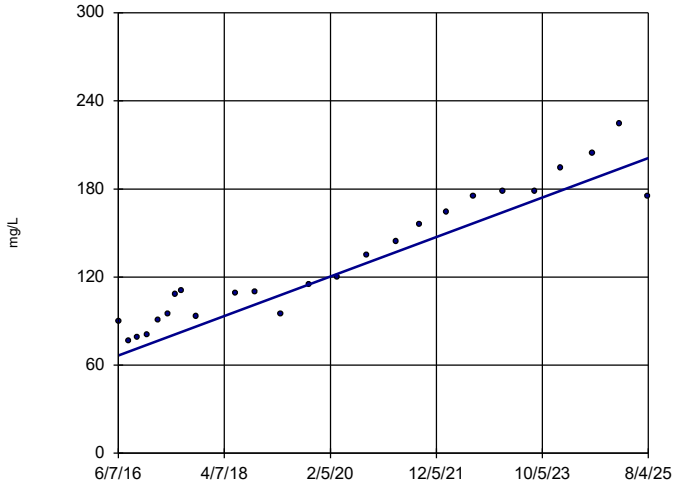
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 25

Slope = 14.68 units per year.

Mann-Kendall statistic = 263
critical = 111

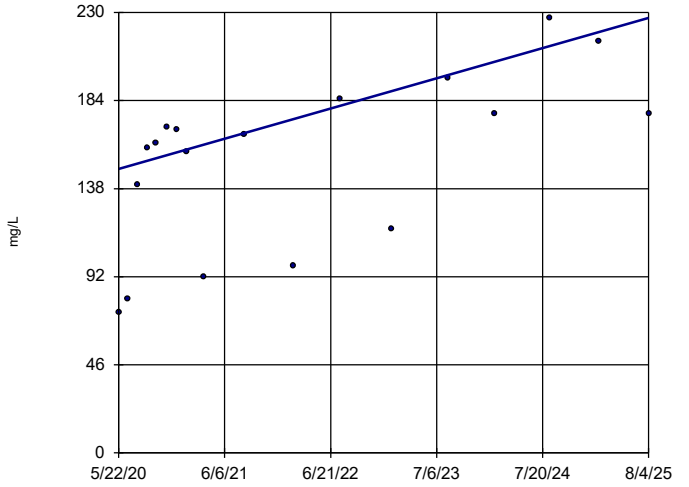
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 18

Slope = 15.18 units per year.

Mann-Kendall statistic = 82
critical = 68

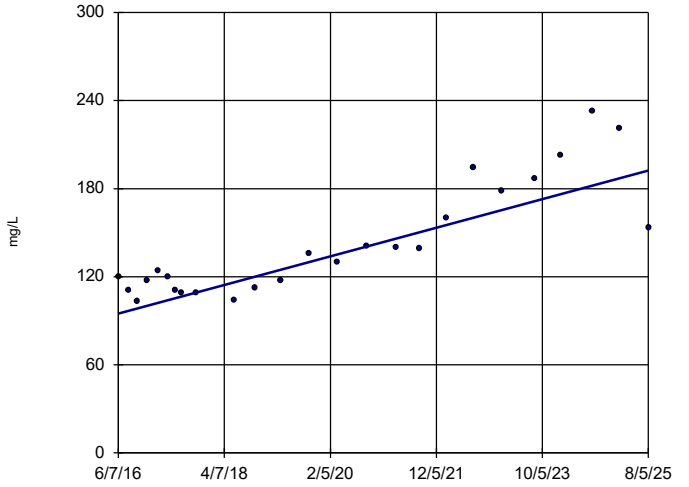
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 25

Slope = 10.62 units per year.

Mann-Kendall statistic = 196
critical = 111

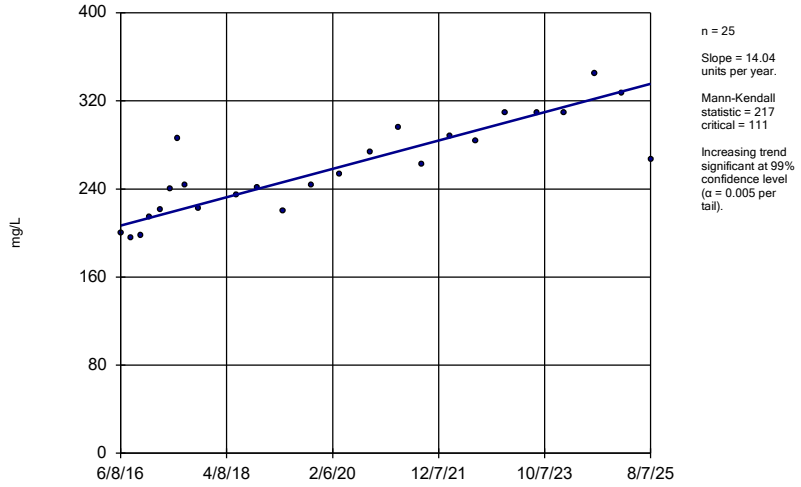
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 25

Slope = 14.04 units per year.

Mann-Kendall statistic = 217 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

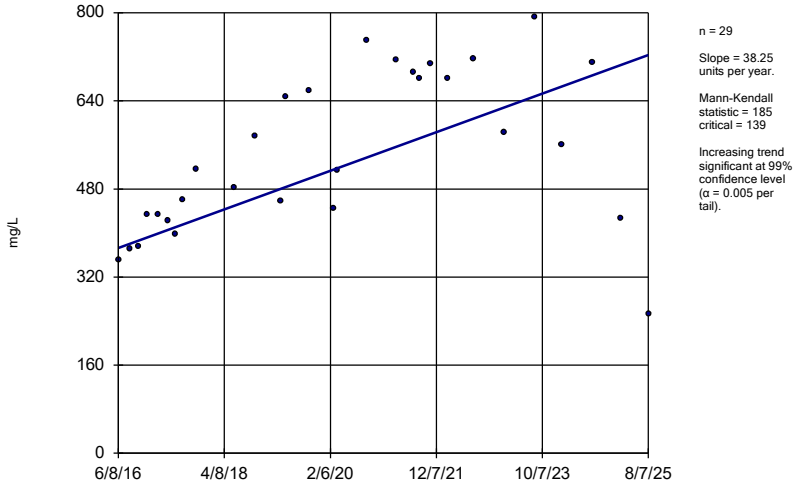
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 29

Slope = 38.25 units per year.

Mann-Kendall statistic = 185 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

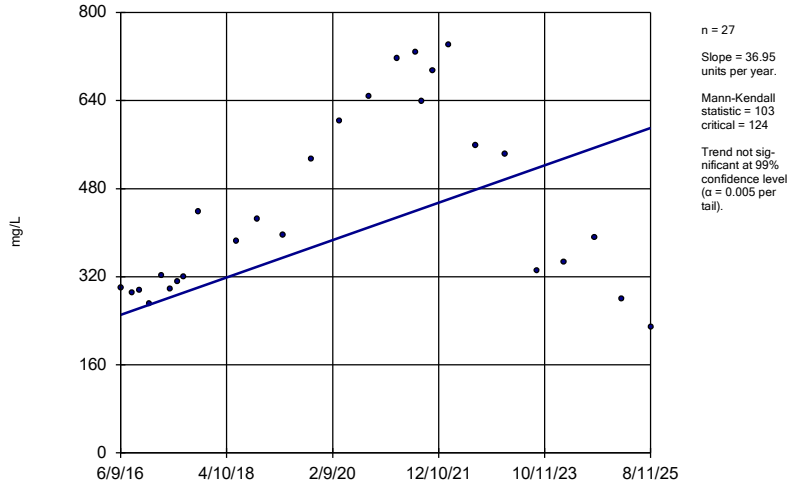
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 27

Slope = 36.95 units per year.

Mann-Kendall statistic = 103 critical = 124

Trend not significant at 99% confidence level (α = 0.005 per tail).

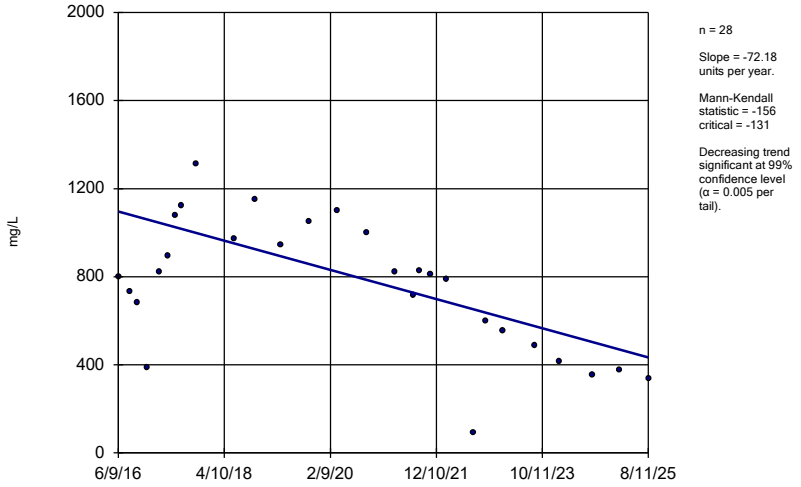
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 28

Slope = -72.18 units per year.

Mann-Kendall statistic = -156 critical = -131

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

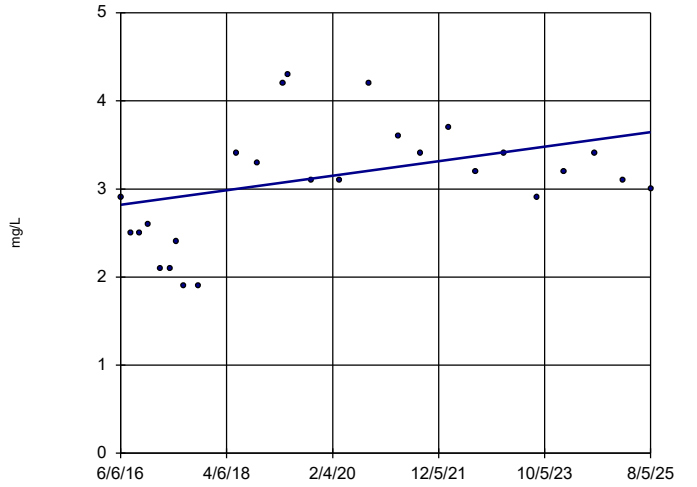
Constituent: Calcium Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 0.08983 units per year.

Mann-Kendall statistic = 80
critical = 118

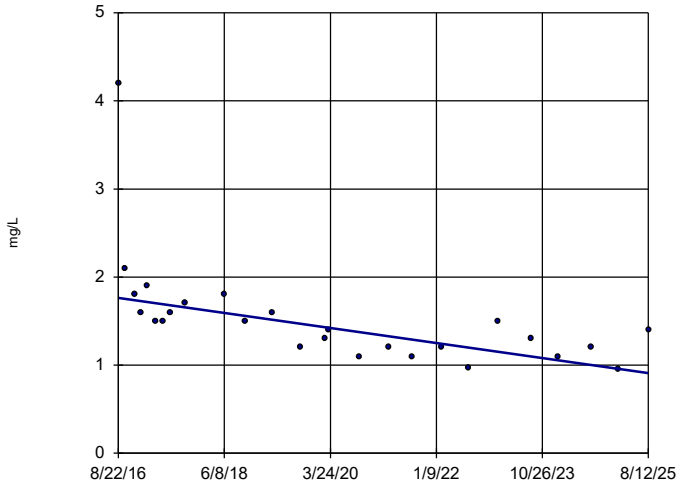
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = -0.09485 units per year.

Mann-Kendall statistic = -200
critical = -118

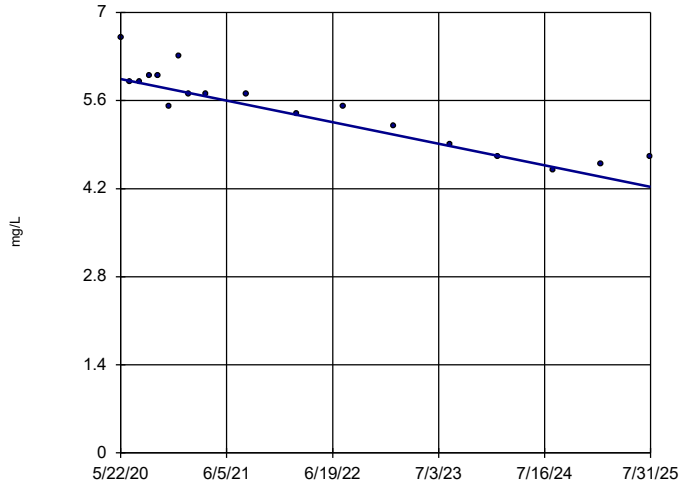
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.3306 units per year.

Mann-Kendall statistic = -114
critical = -68

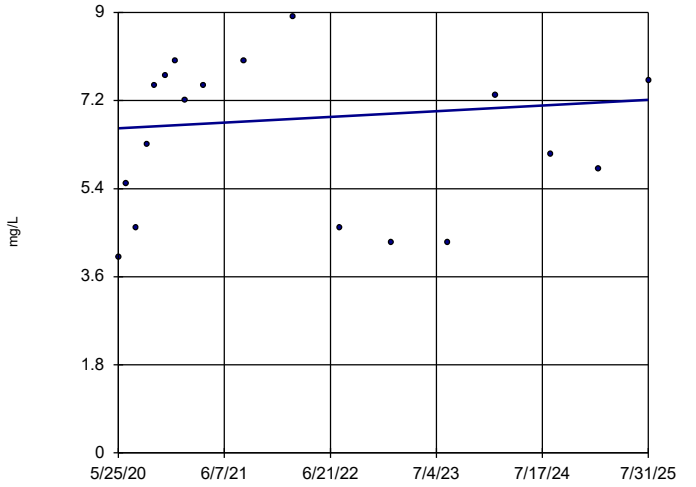
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 0.1124 units per year.

Mann-Kendall statistic = 17
critical = 68

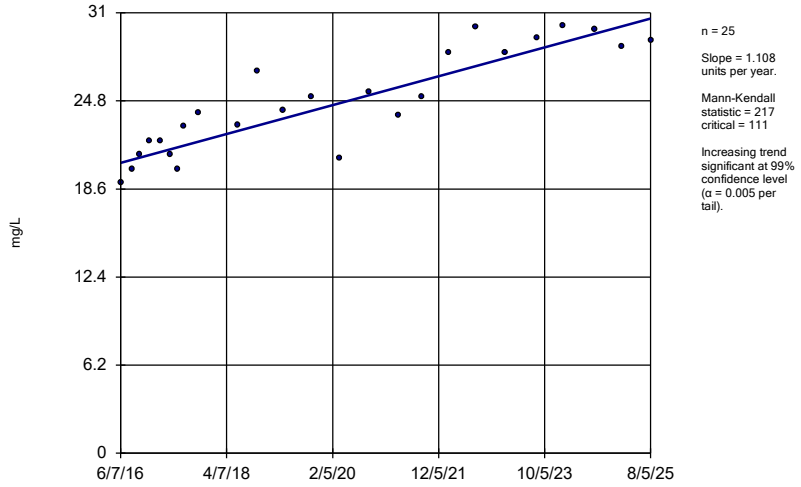
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 25

Slope = 1.108 units per year.

Mann-Kendall statistic = 217
critical = 111

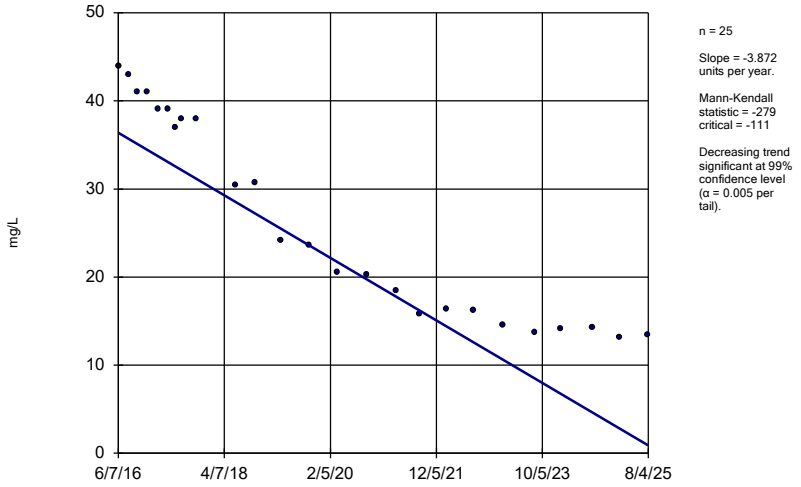
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 25

Slope = -3.872 units per year.

Mann-Kendall statistic = -279
critical = -111

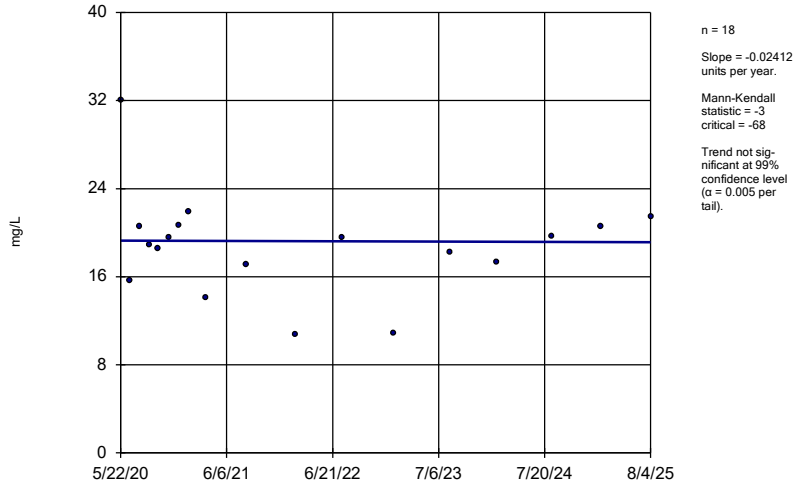
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 18

Slope = -0.02412 units per year.

Mann-Kendall statistic = -3
critical = -68

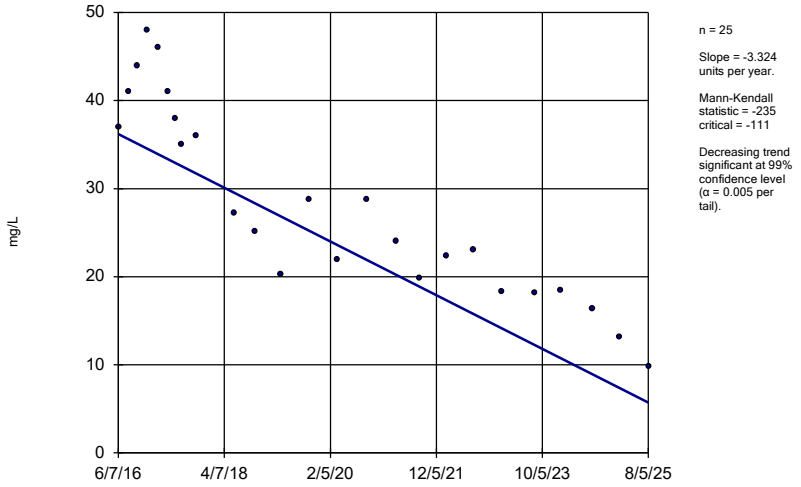
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:12 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 25

Slope = -3.324 units per year.

Mann-Kendall statistic = -235
critical = -111

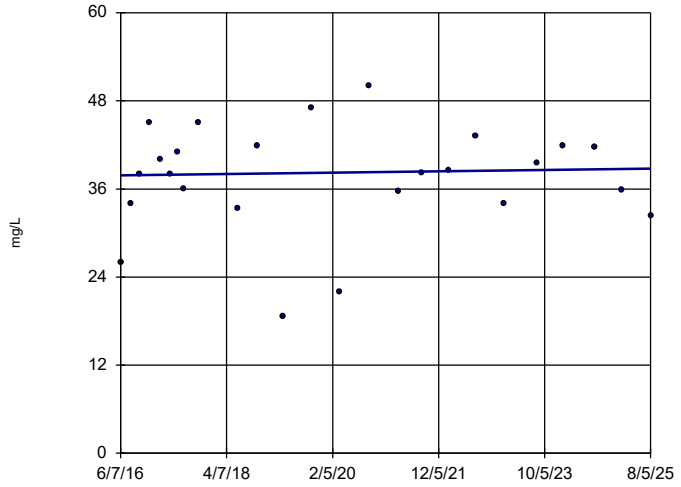
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 25

Slope = 0.1003 units per year.

Mann-Kendall statistic = 14 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

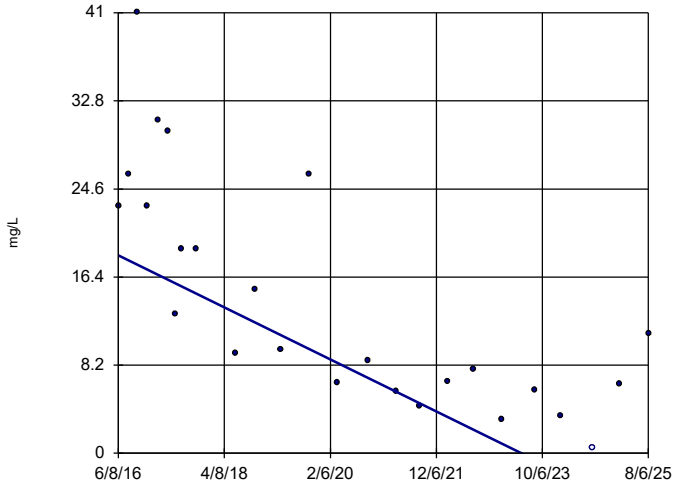
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-19



n = 25

Slope = -2.64 units per year.

Mann-Kendall statistic = -191 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

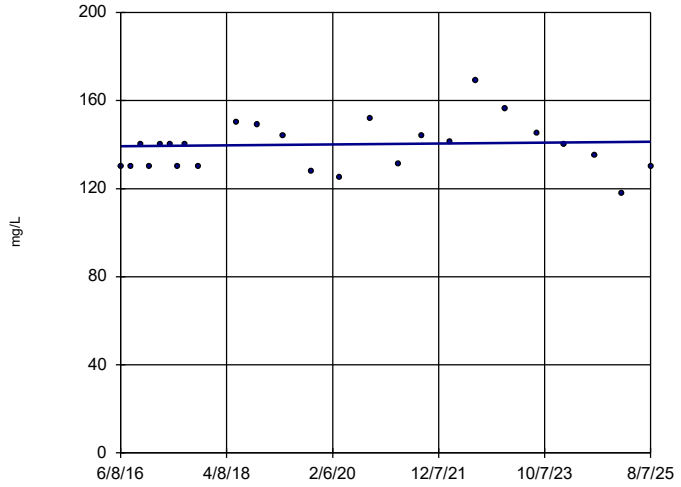
Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 25

Slope = 0.212 units per year.

Mann-Kendall statistic = 34 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

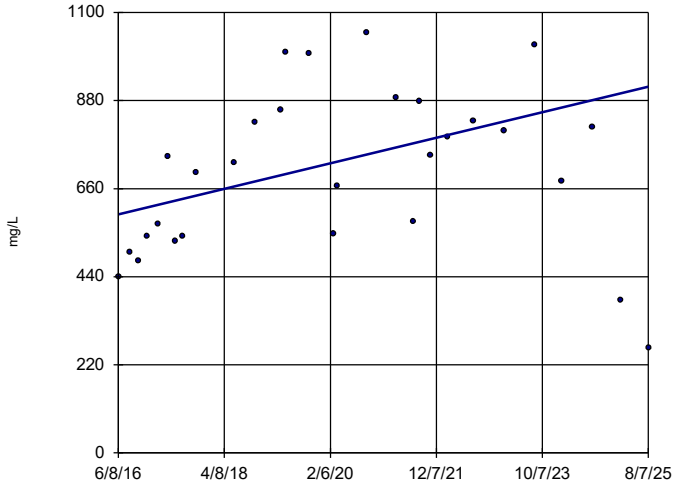
Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 29

Slope = 34.79 units per year.

Mann-Kendall statistic = 107 critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

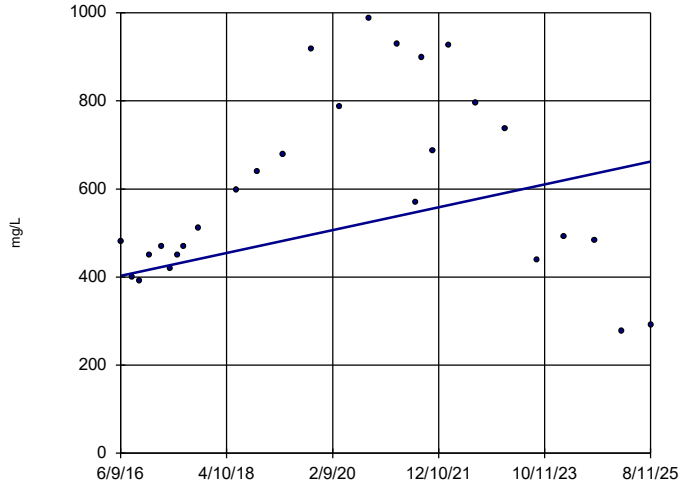
Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 27

Slope = 28.23 units per year.

Mann-Kendall statistic = 69
critical = 124

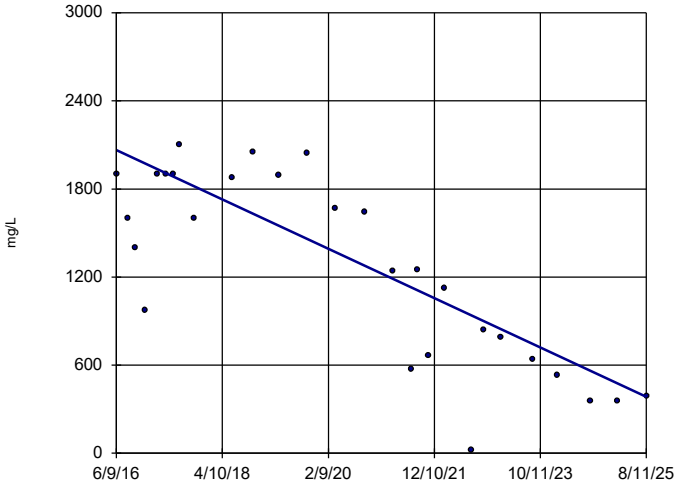
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 28

Slope = -183.1 units per year.

Mann-Kendall statistic = -218
critical = -131

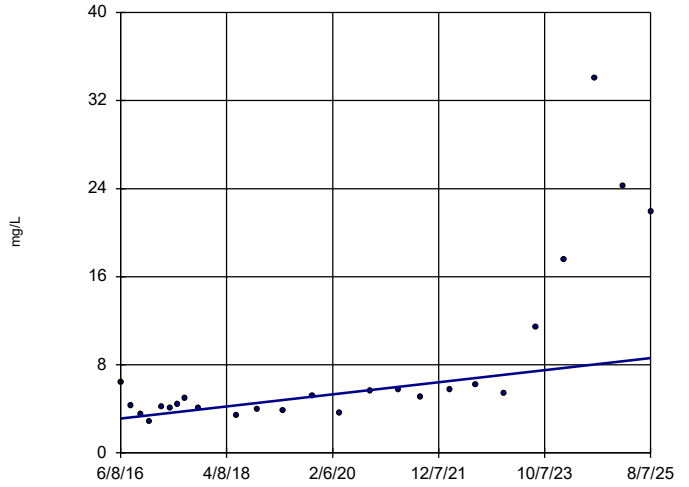
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-25



n = 25

Slope = 0.6008 units per year.

Mann-Kendall statistic = 162
critical = 111

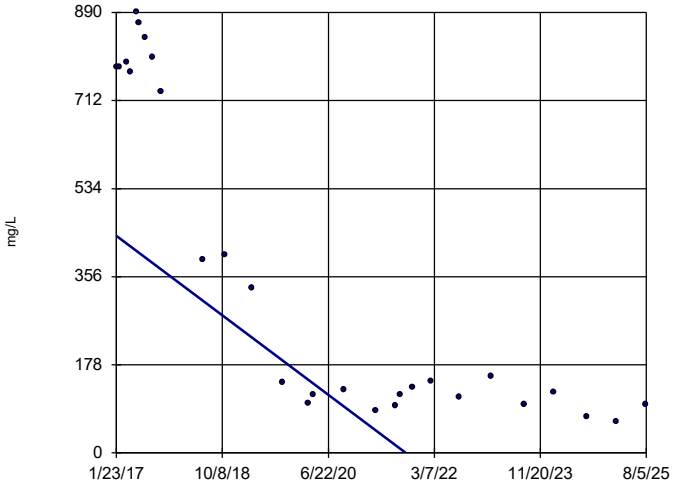
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-30



n = 28

Slope = -94.13 units per year.

Mann-Kendall statistic = -242
critical = -131

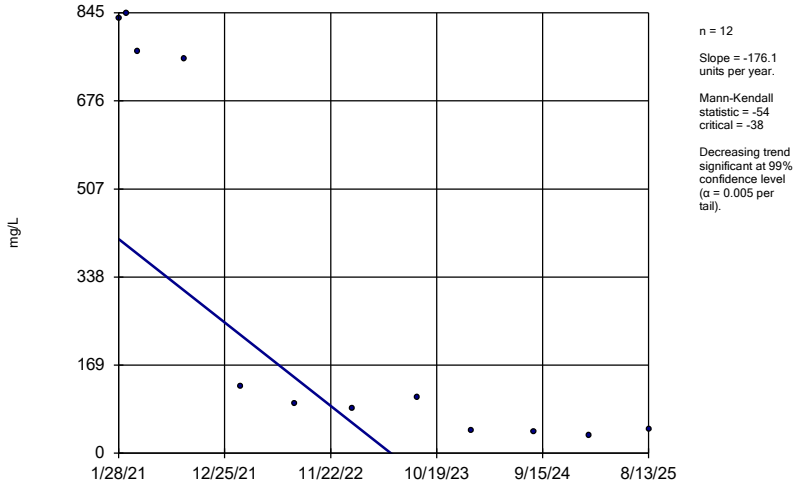
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-51



n = 12

Slope = -176.1 units per year.

Mann-Kendall statistic = -54 critical = -38

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

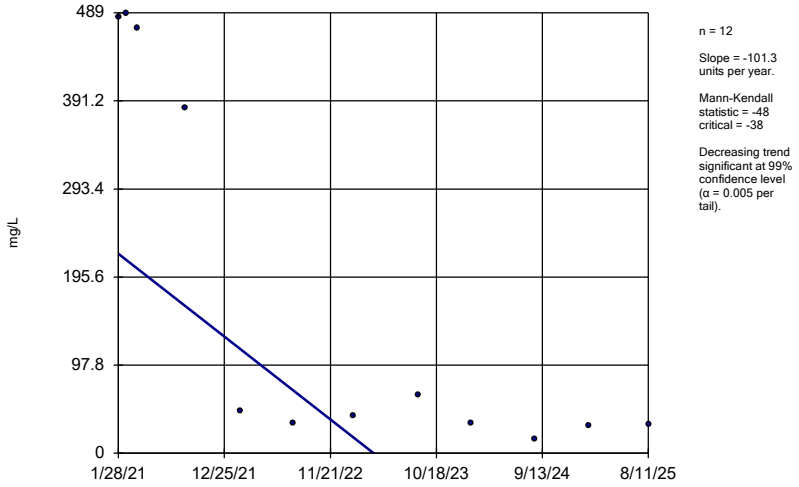
Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-52



n = 12

Slope = -101.3 units per year.

Mann-Kendall statistic = -48 critical = -38

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

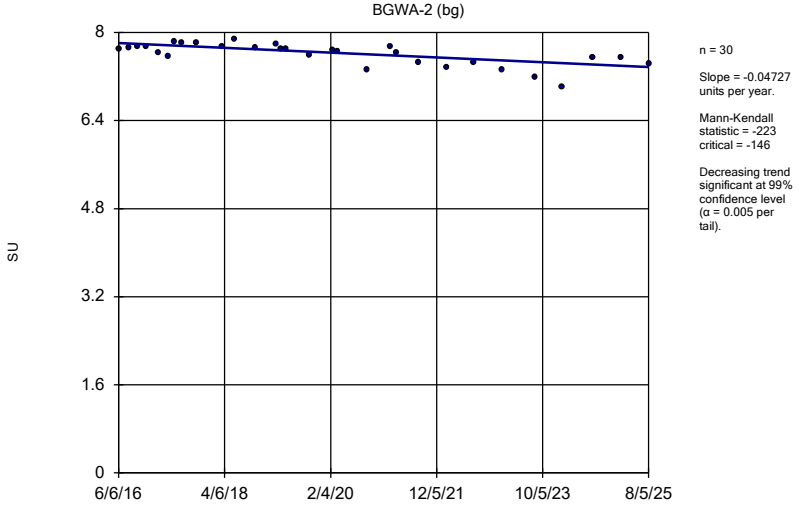
Constituent: Chloride Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 30

Slope = -0.04727 units per year.

Mann-Kendall statistic = -223 critical = -146

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

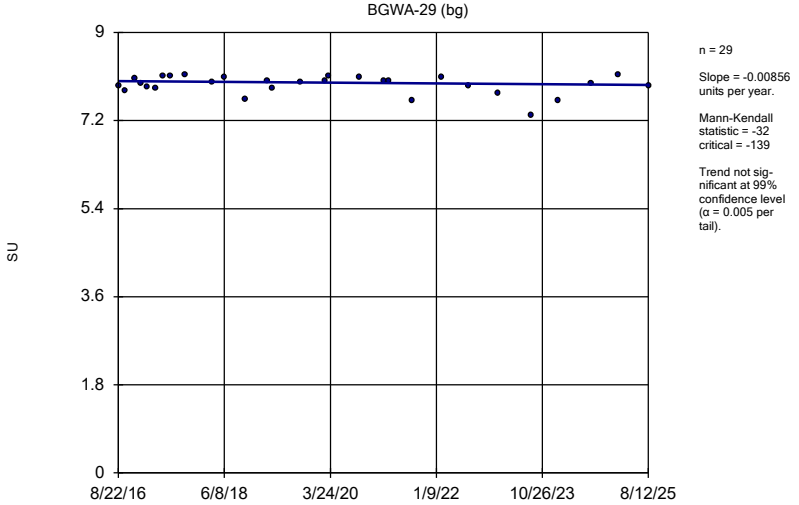
Constituent: pH, Field Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 29

Slope = -0.00856 units per year.

Mann-Kendall statistic = -32 critical = -139

Trend not significant at 99% confidence level (α = 0.005 per tail).

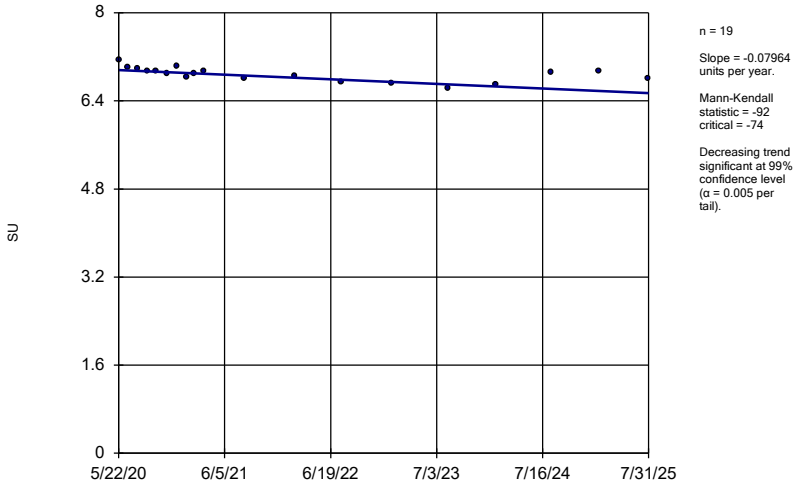
Constituent: pH, Field Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = -0.07964 units per year.

Mann-Kendall statistic = -92
critical = -74

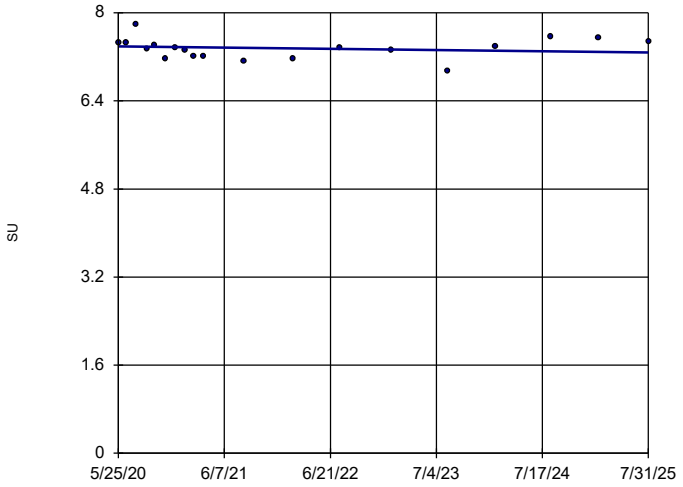
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.0211 units per year.

Mann-Kendall statistic = -10
critical = -74

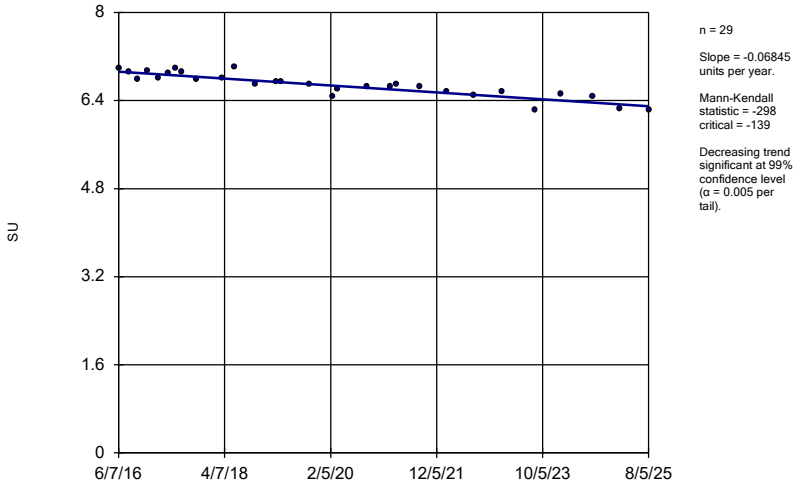
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 29

Slope = -0.06845 units per year.

Mann-Kendall statistic = -298
critical = -139

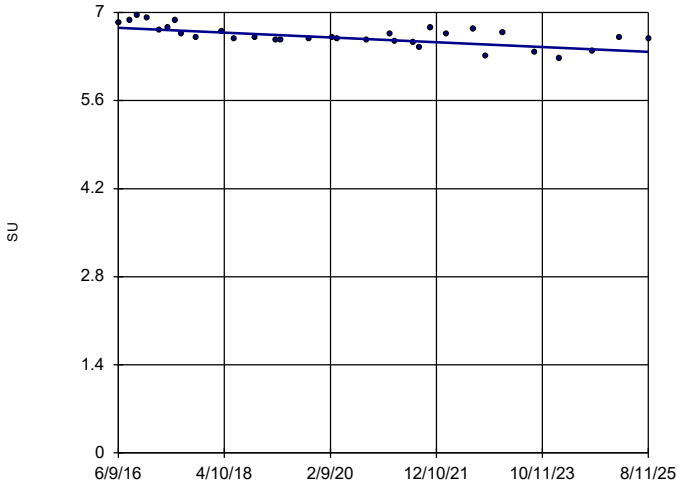
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 32

Slope = -0.04198 units per year.

Mann-Kendall statistic = -242
critical = -161

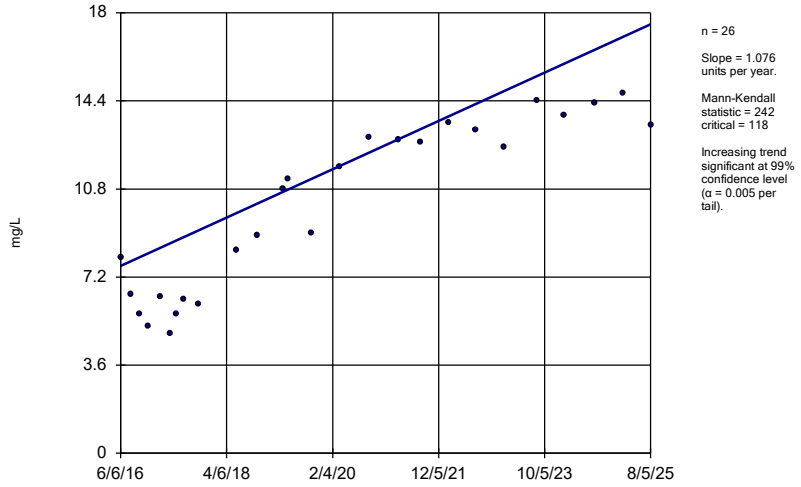
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 26

Slope = 1.076 units per year.

Mann-Kendall statistic = 242
critical = 118

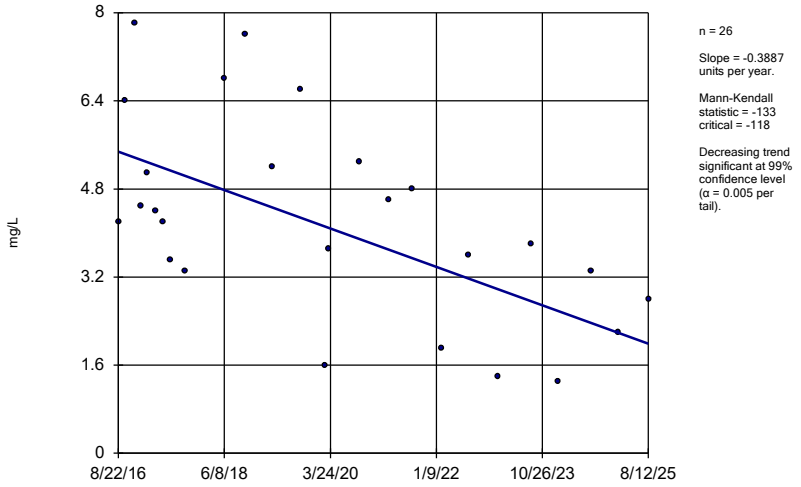
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 26

Slope = -0.3887 units per year.

Mann-Kendall statistic = -133
critical = -118

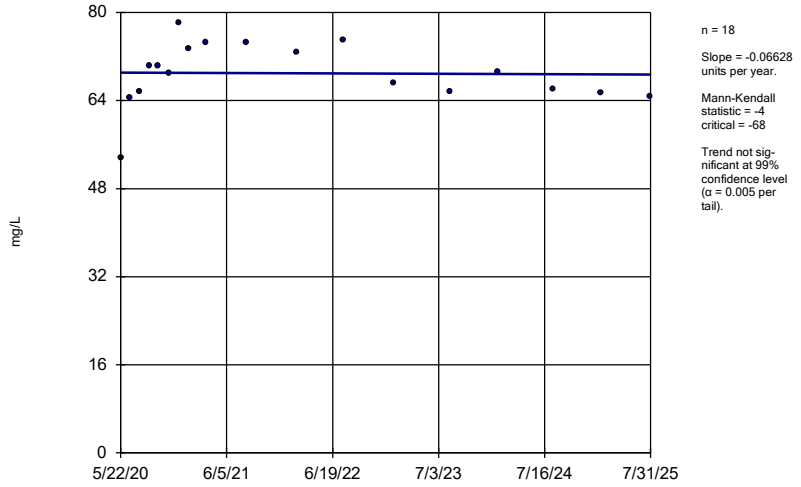
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = -0.06628 units per year.

Mann-Kendall statistic = -4
critical = -68

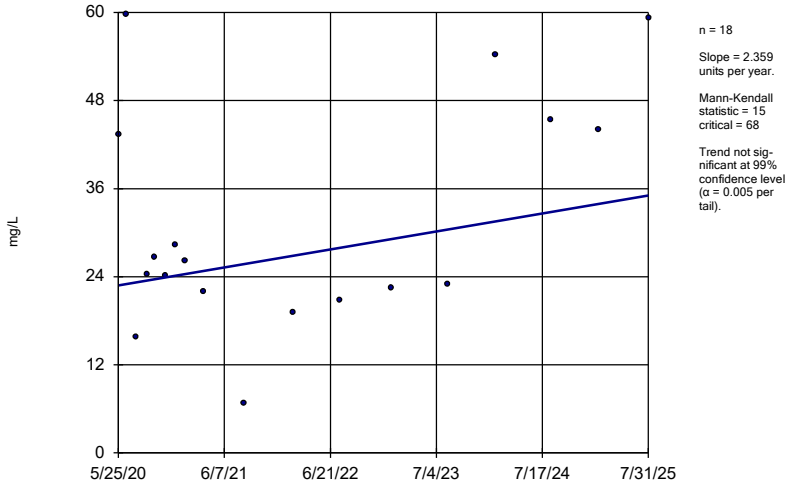
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 2.359 units per year.

Mann-Kendall statistic = 15
critical = 68

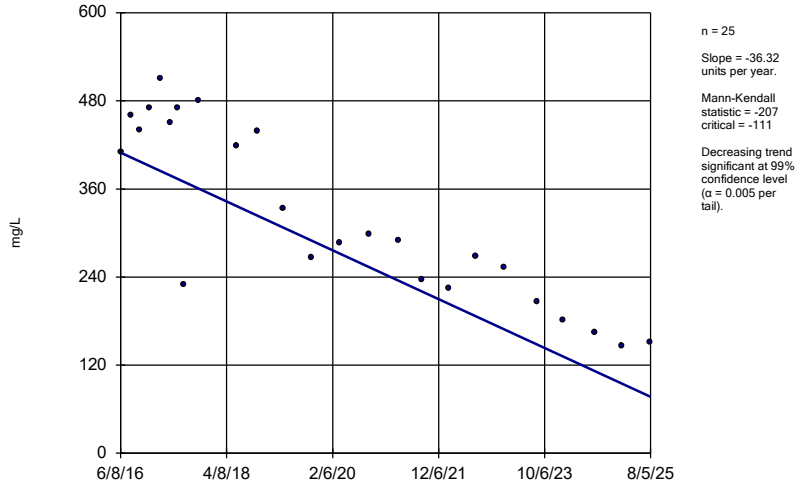
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 25

Slope = -36.32 units per year.

Mann-Kendall statistic = -207 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

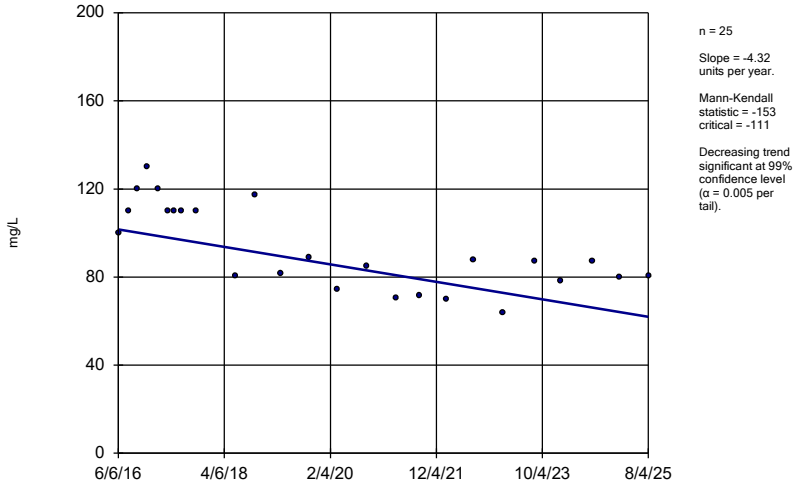
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-9



n = 25

Slope = -4.32 units per year.

Mann-Kendall statistic = -153 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

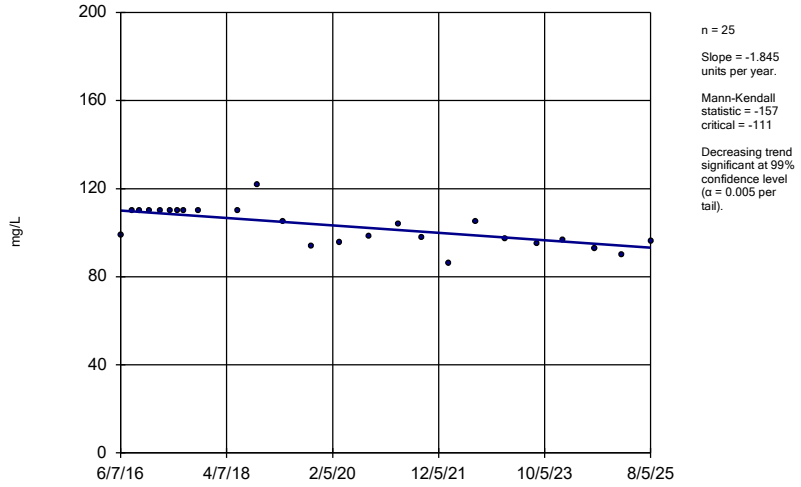
Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 25

Slope = -1.845 units per year.

Mann-Kendall statistic = -157 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

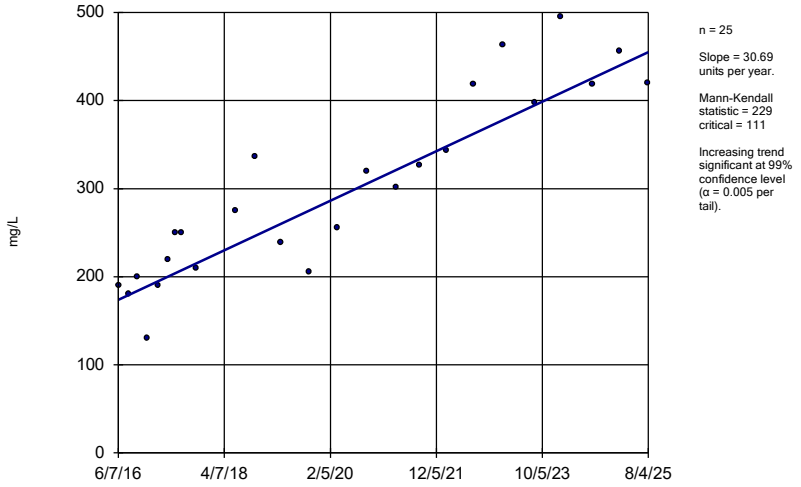
Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 25

Slope = 30.69 units per year.

Mann-Kendall statistic = 229 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

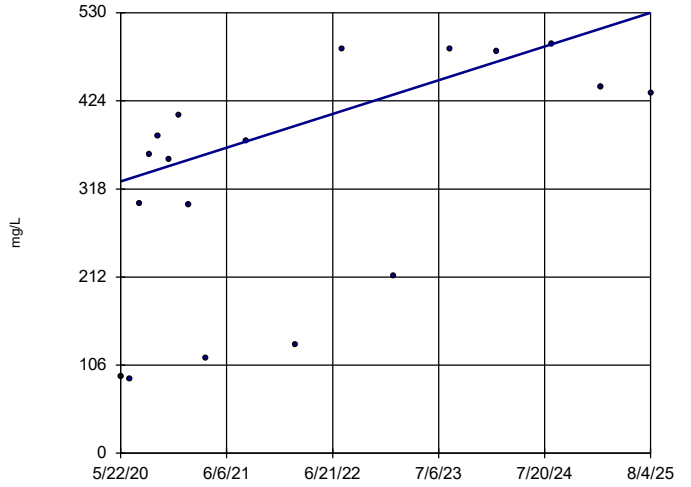
Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 18

Slope = 39.04 units per year.

Mann-Kendall statistic = 68
critical = 68

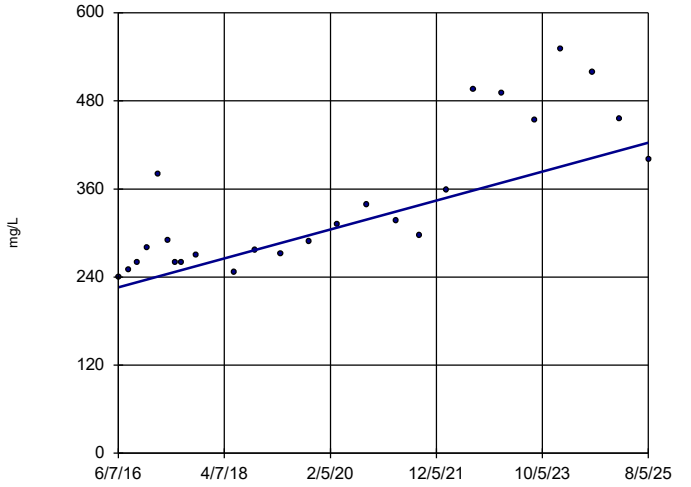
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 25

Slope = 21.47 units per year.

Mann-Kendall statistic = 197
critical = 111

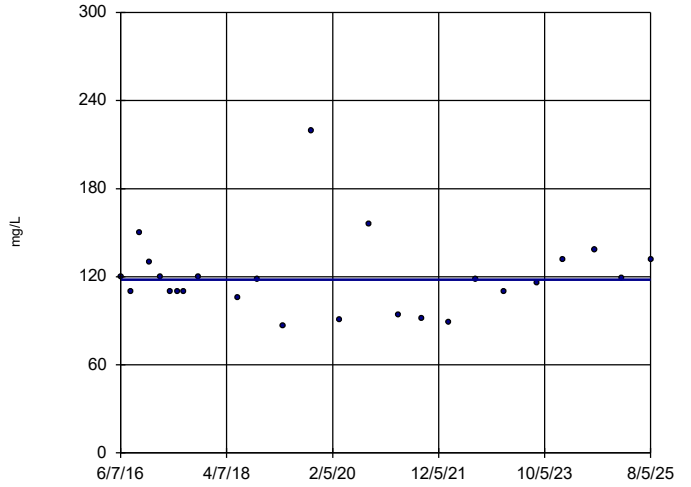
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -111

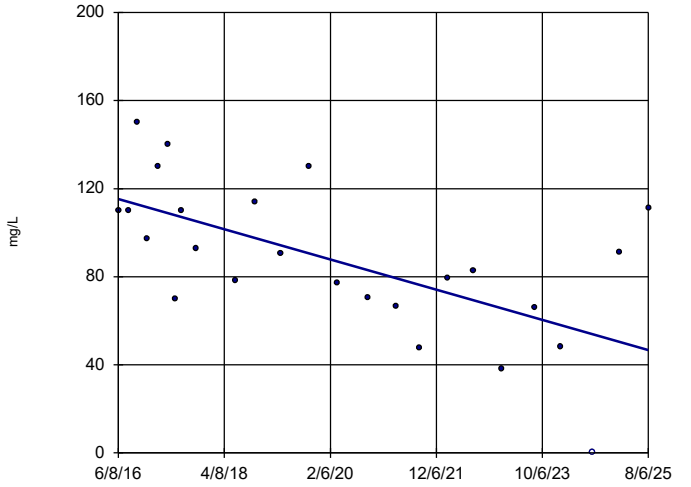
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-19



n = 25

Slope = -7.493 units per year.

Mann-Kendall statistic = -132
critical = -111

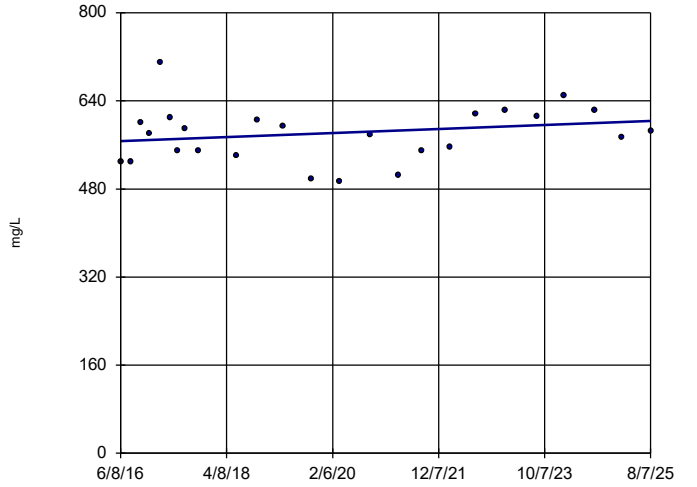
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 25

Slope = 3.981 units per year.

Mann-Kendall statistic = 56 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

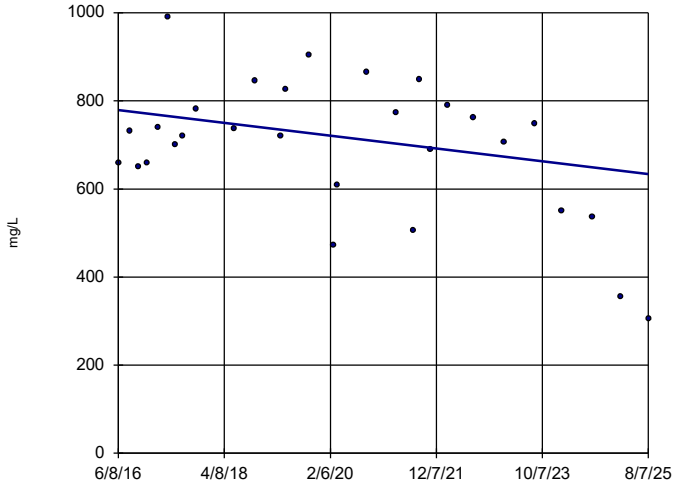
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 29

Slope = -15.82 units per year.

Mann-Kendall statistic = -66 critical = -139

Trend not significant at 99% confidence level (α = 0.005 per tail).

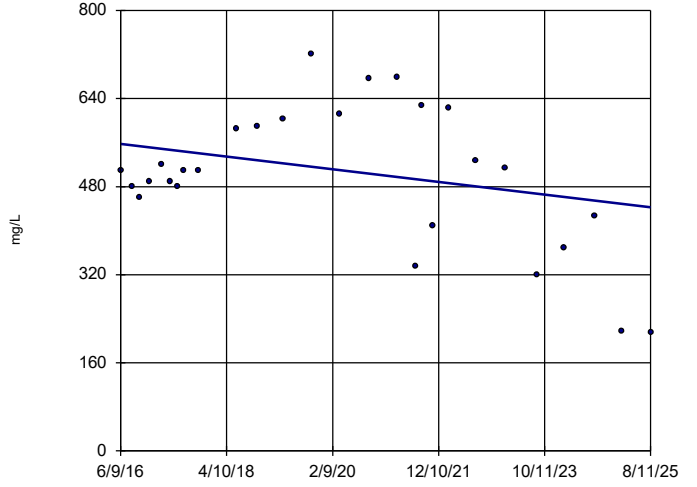
Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 27

Slope = -12.52 units per year.

Mann-Kendall statistic = -32 critical = -124

Trend not significant at 99% confidence level (α = 0.005 per tail).

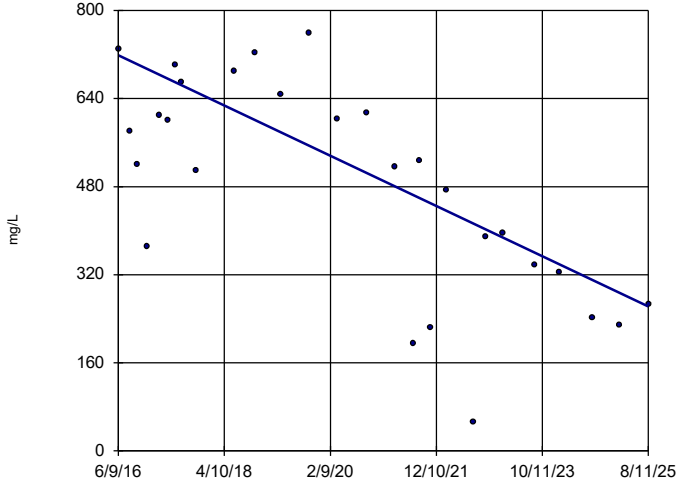
Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 28

Slope = -49.74 units per year.

Mann-Kendall statistic = -178 critical = -131

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

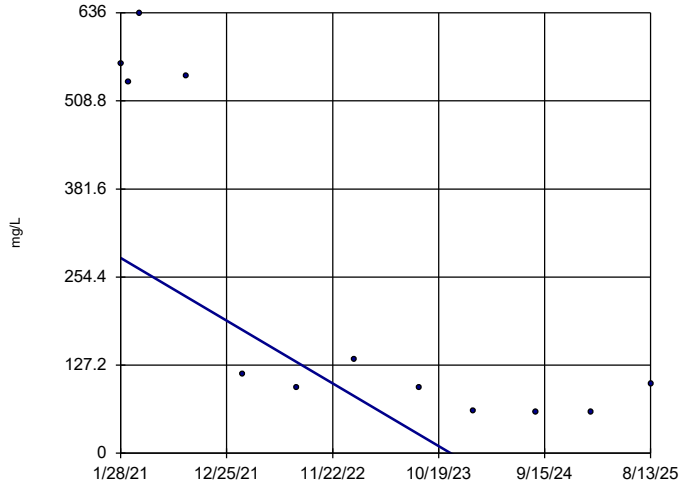
Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-51



n = 12

Slope = -99.68 units per year.

Mann-Kendall statistic = -44
critical = -38

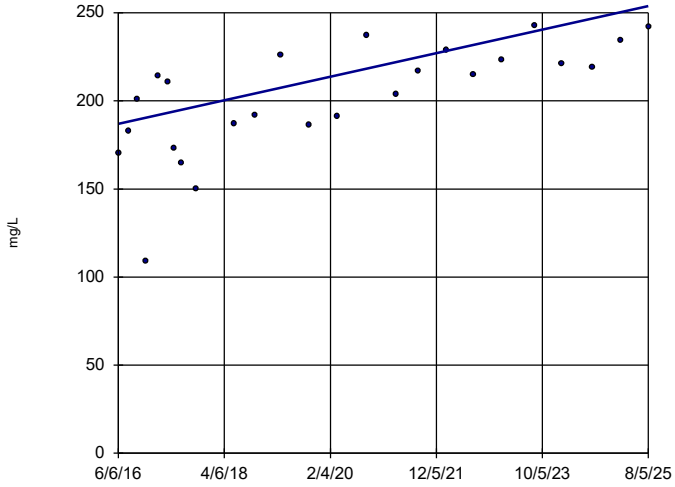
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-2 (bg)



n = 25

Slope = 7.289 units per year.

Mann-Kendall statistic = 168
critical = 111

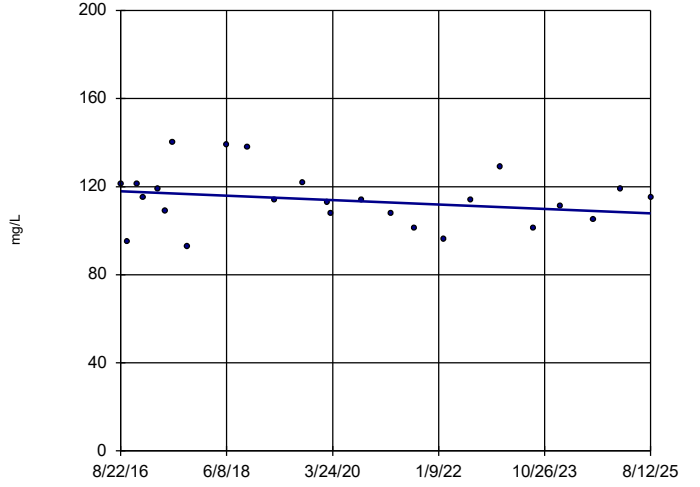
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 25

Slope = -1.105 units per year.

Mann-Kendall statistic = -50
critical = -111

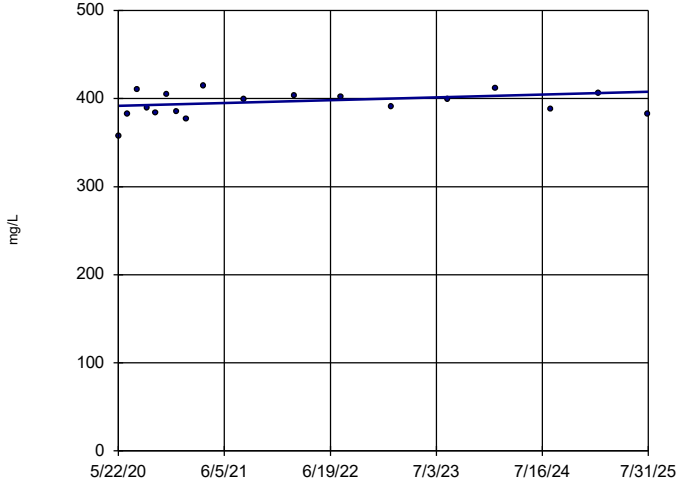
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-47D (bg)



n = 18

Slope = 3.024 units per year.

Mann-Kendall statistic = 26
critical = 68

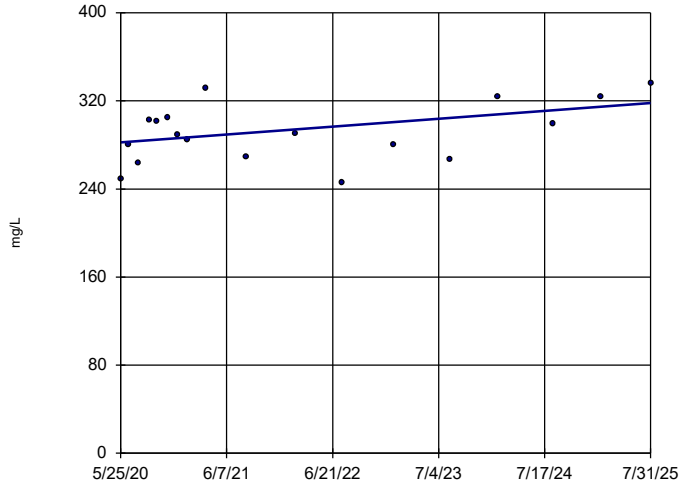
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-48D (bg)



n = 18

Slope = 6.898 units per year.

Mann-Kendall statistic = 41 critical = 68

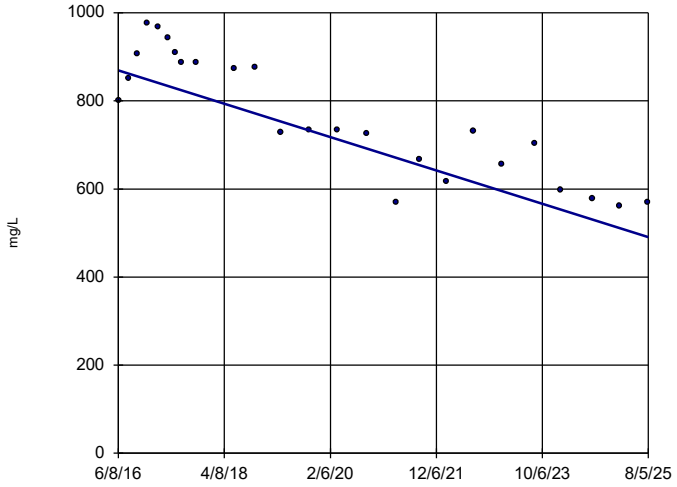
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-7



n = 25

Slope = -41.34 units per year.

Mann-Kendall statistic = -212 critical = -111

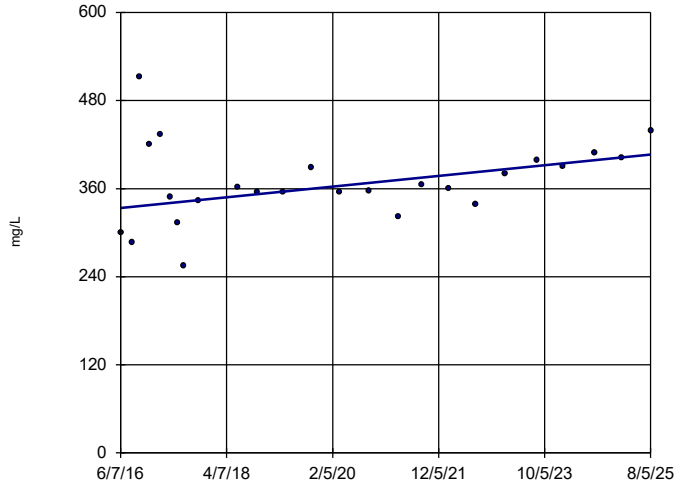
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-10



n = 25

Slope = 7.927 units per year.

Mann-Kendall statistic = 101 critical = 111

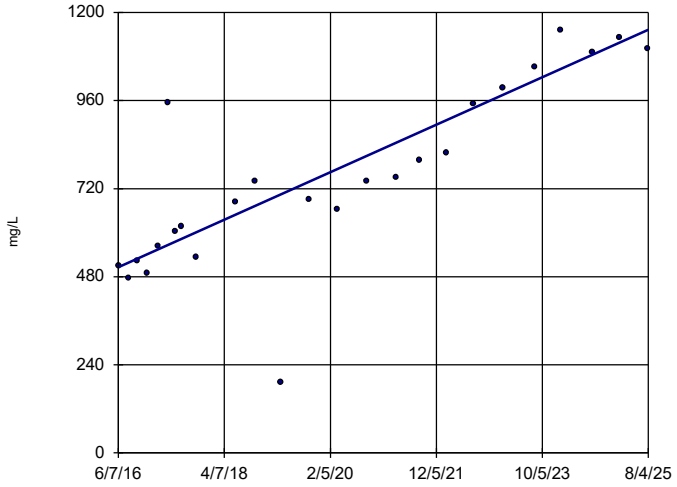
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-12



n = 25

Slope = 70.58 units per year.

Mann-Kendall statistic = 226 critical = 111

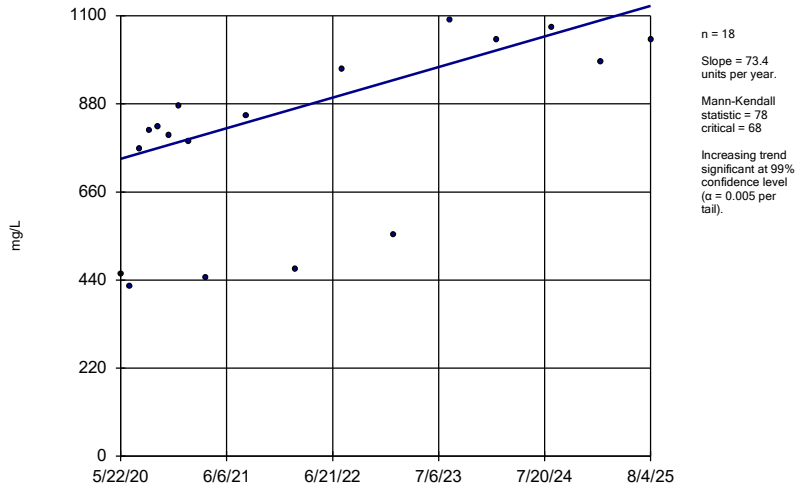
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-14A



n = 18

Slope = 73.4 units per year.

Mann-Kendall statistic = 78 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

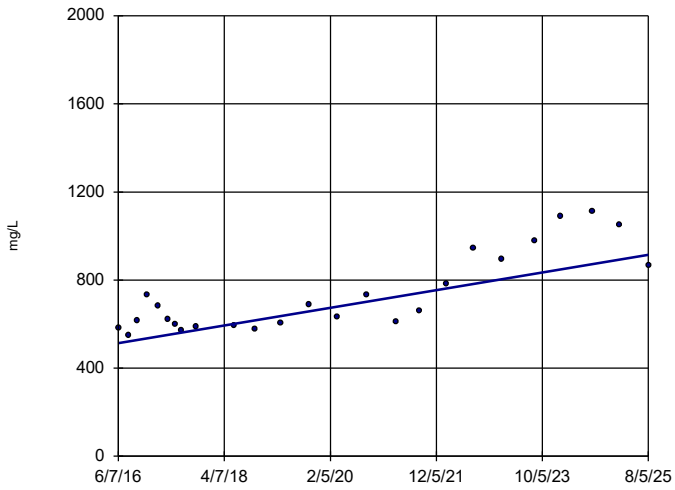
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-16



n = 25

Slope = 43.77 units per year.

Mann-Kendall statistic = 180 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

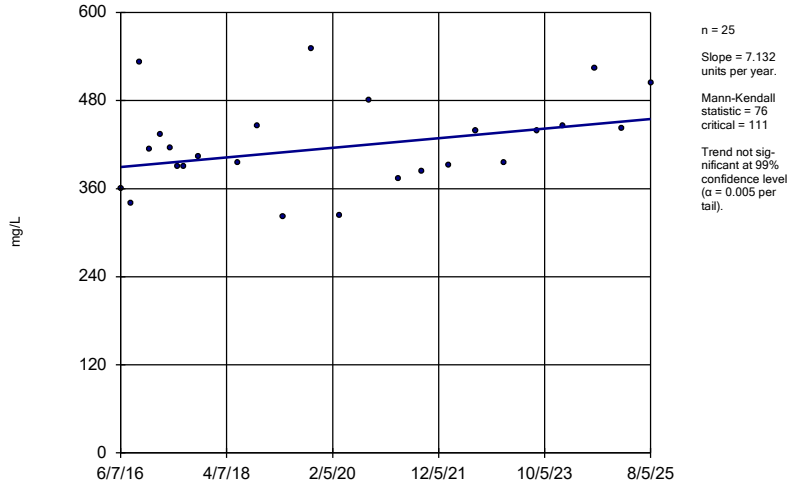
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-17



n = 25

Slope = 7.132 units per year.

Mann-Kendall statistic = 76 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

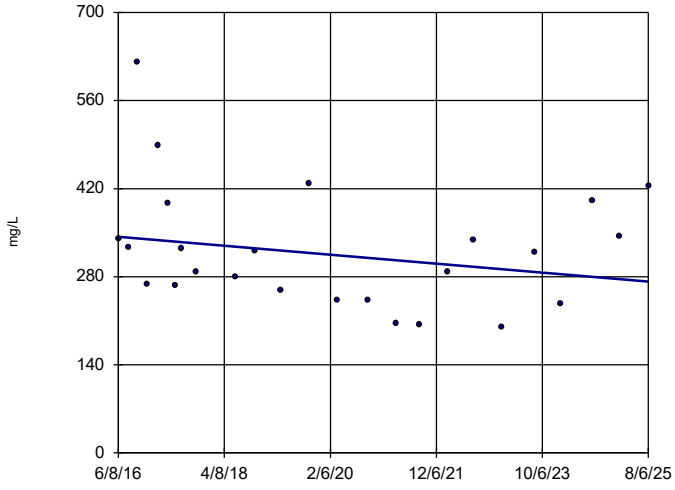
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-19



n = 25

Slope = -7.771 units per year.

Mann-Kendall statistic = -55 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

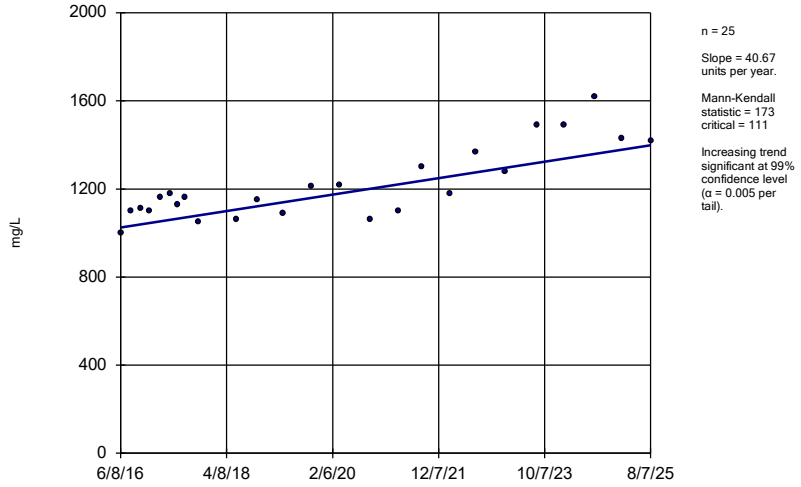
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 25

Slope = 40.67 units per year.

Mann-Kendall statistic = 173 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

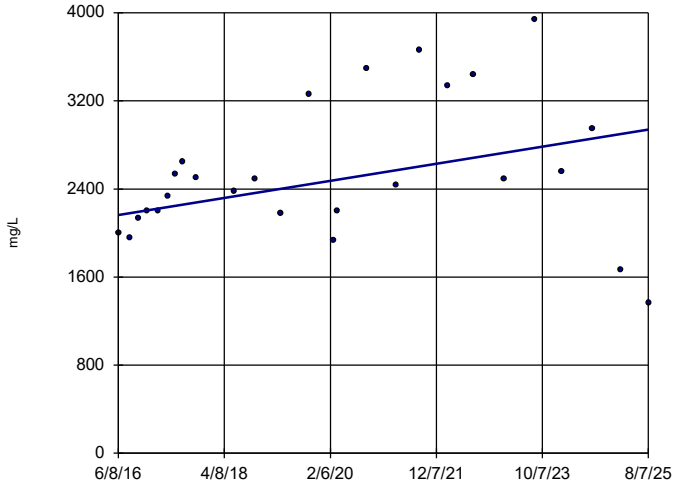
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-22



n = 26

Slope = 84.44 units per year.

Mann-Kendall statistic = 87 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

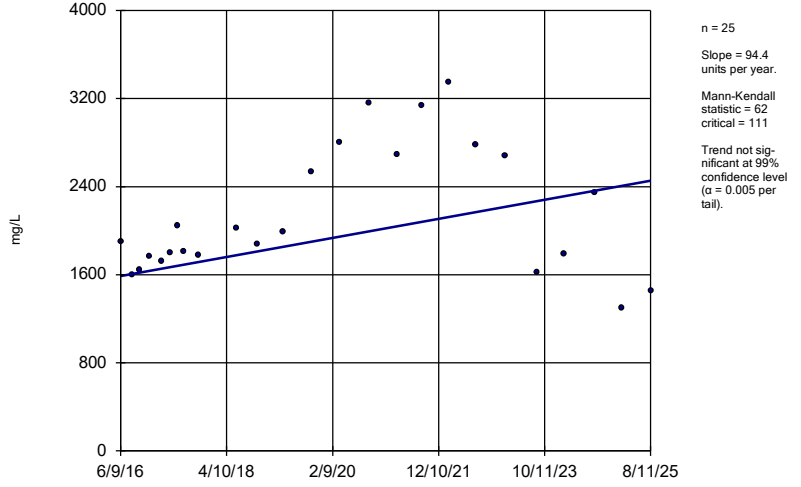
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-23



n = 25

Slope = 94.4 units per year.

Mann-Kendall statistic = 62 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

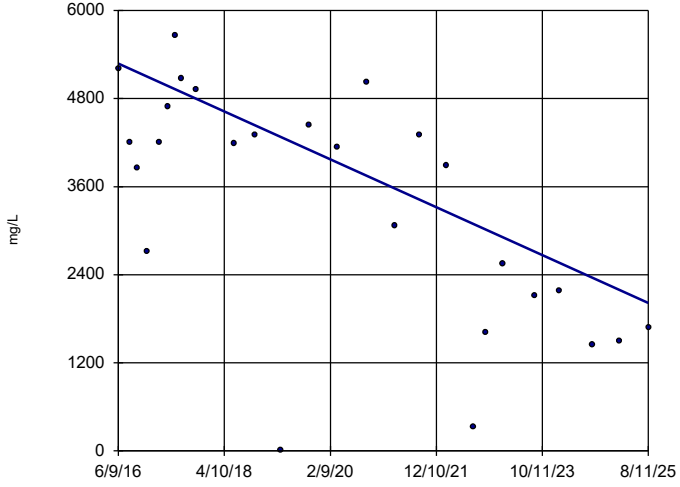
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-24



n = 26

Slope = -354.9 units per year.

Mann-Kendall statistic = -149 critical = -118

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

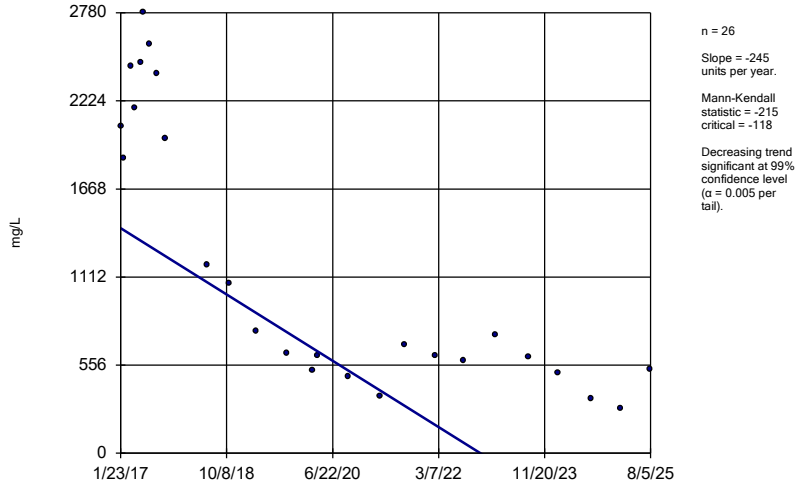
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-30



n = 26

Slope = -245 units per year.

Mann-Kendall statistic = -215 critical = -118

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

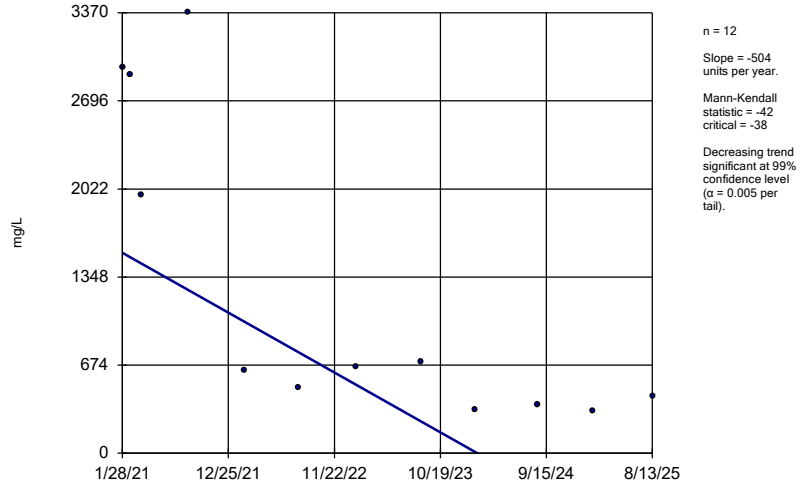
Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-51



n = 12

Slope = -504 units per year.

Mann-Kendall statistic = -42 critical = -38

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/16/2025 12:13 PM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE G.

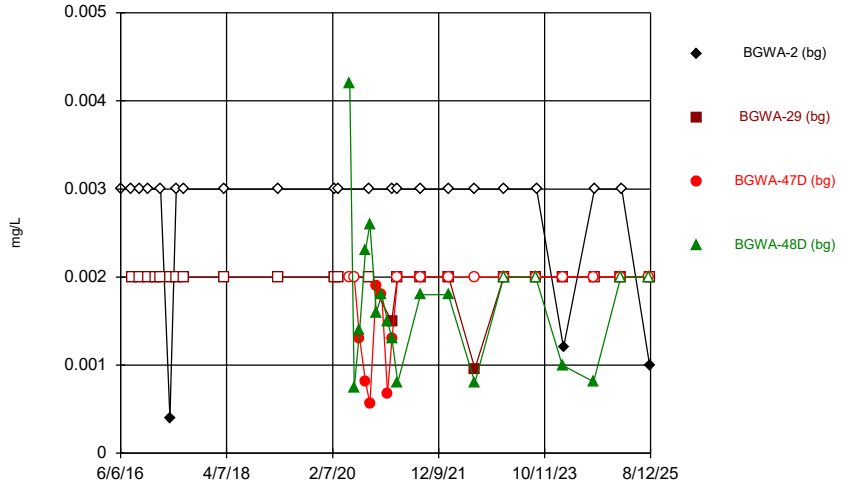
Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0042	n/a	n/a	n/a	86	68.6	n/a	0.01214	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.01	n/a	n/a	n/a	94	59.57	n/a	0.008054	NP Inter(NDs)
Barium (mg/L)	n/a	0.218	n/a	n/a	n/a	94	0	n/a	0.008054	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	90	98.89	n/a	0.009888	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	94	97.87	n/a	0.008054	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	90	71.11	n/a	0.009888	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	95	93.68	n/a	0.007651	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.627	n/a	n/a	n/a	94	0	No	0.05	Inter
Fluoride (mg/L)	n/a	0.57	n/a	n/a	n/a	97	48.45	n/a	0.006905	NP Inter(normality)
Lead (mg/L)	n/a	0.0024	n/a	n/a	n/a	90	71.11	n/a	0.009888	NP Inter(NDs)
Lithium (mg/L)	n/a	0.002	n/a	n/a	n/a	94	78.72	n/a	0.008054	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00022	n/a	n/a	n/a	90	91.11	n/a	0.009888	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	95	65.26	n/a	0.007651	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	90	84.44	n/a	0.009888	NP Inter(NDs)
Thallium (mg/L)	n/a	0.00082	n/a	n/a	n/a	94	84.04	n/a	0.008054	NP Inter(NDs)

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Hollow symbols indicate censored values.

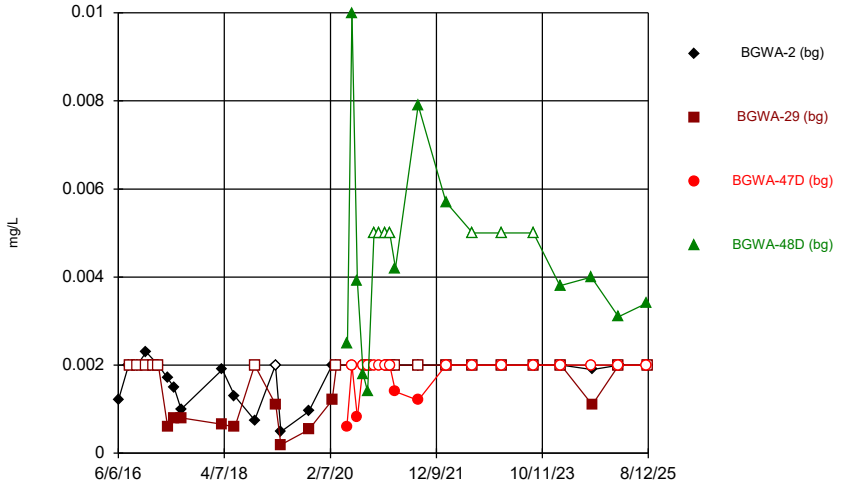
Time Series



Constituent: Antimony Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

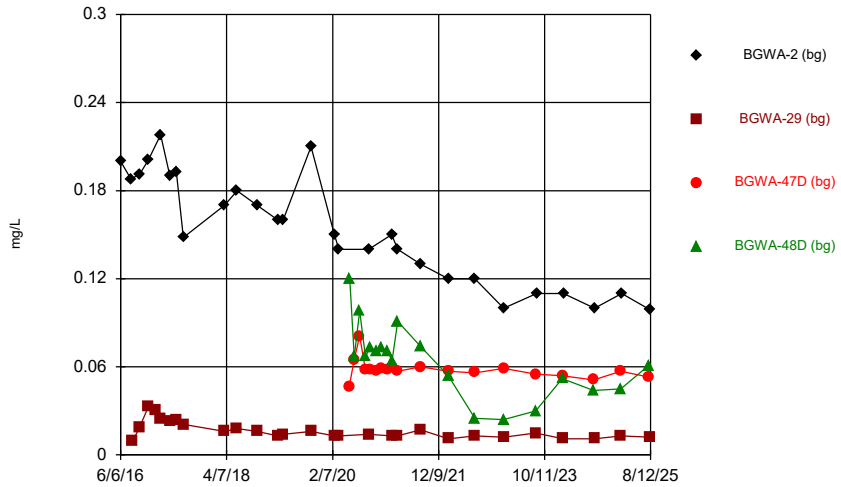
Time Series



Constituent: Arsenic Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

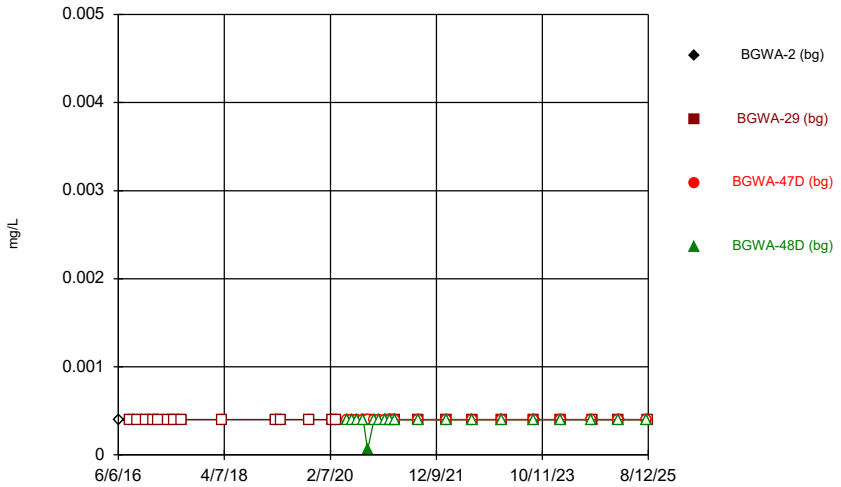
Time Series



Constituent: Barium Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

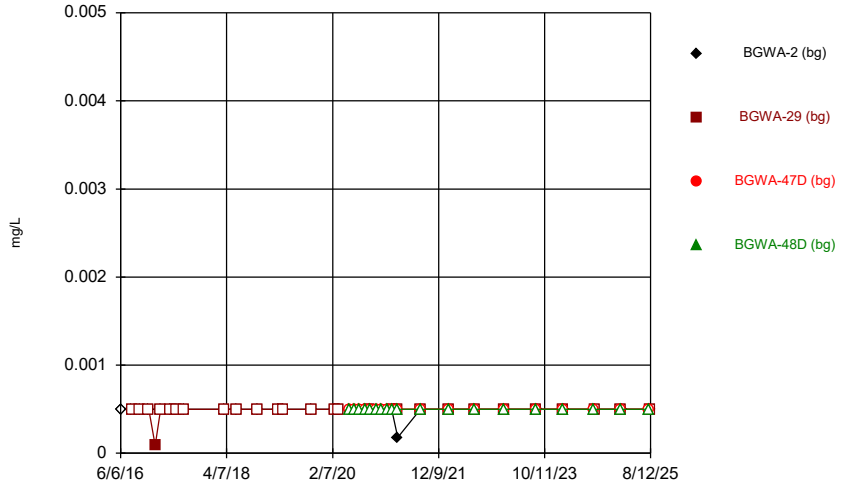
Time Series



Constituent: Beryllium Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

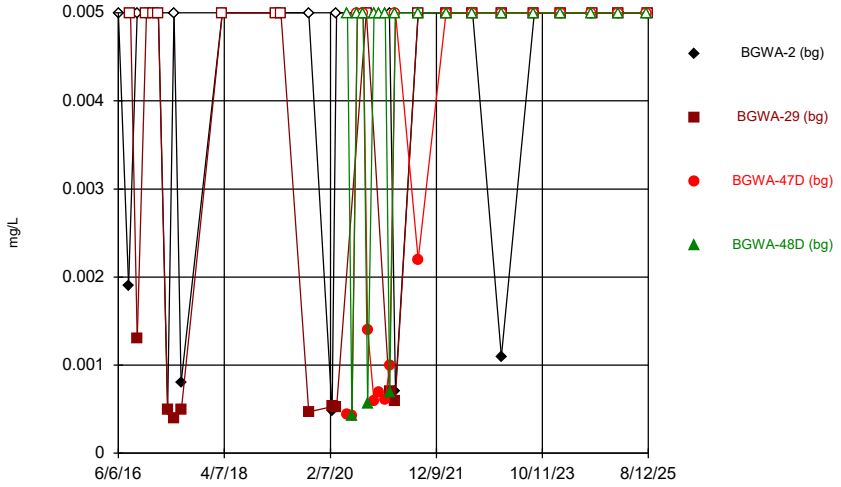
Time Series



Constituent: Cadmium Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

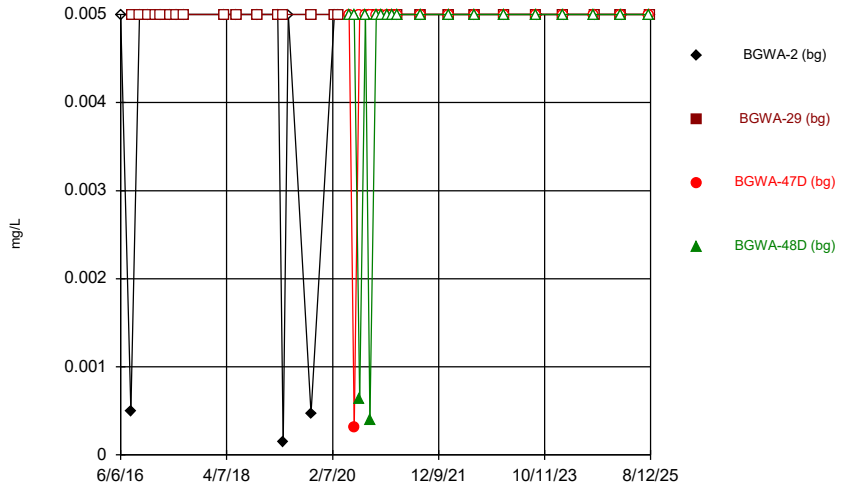
Time Series



Constituent: Chromium Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

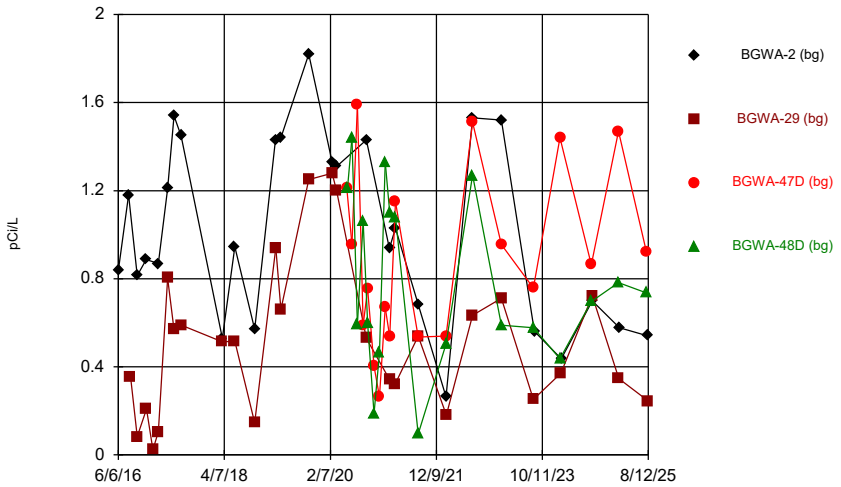
Time Series



Constituent: Cobalt Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

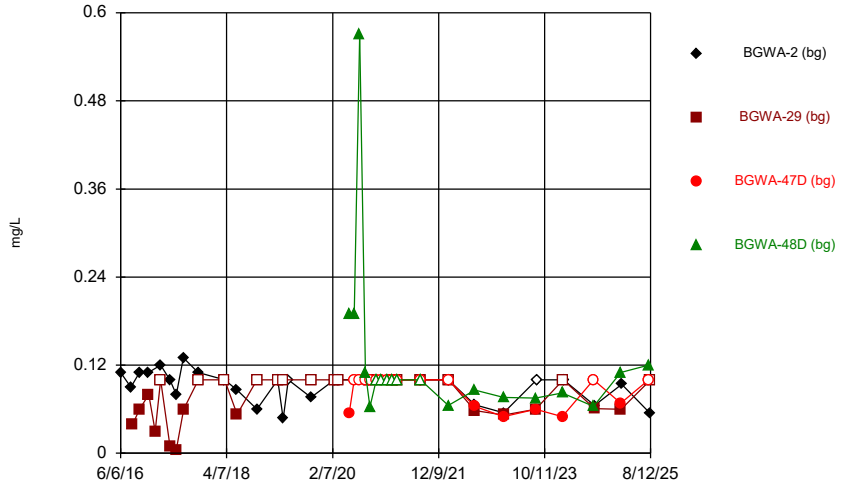
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limit
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

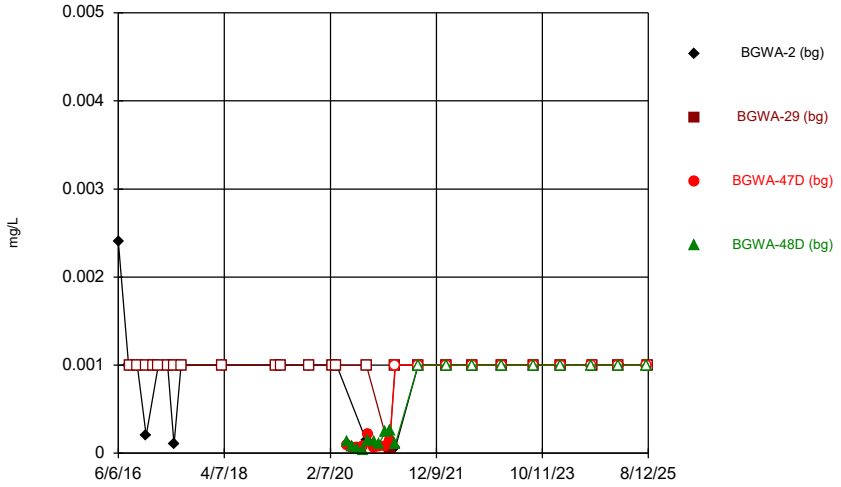
Time Series



Constituent: Fluoride Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

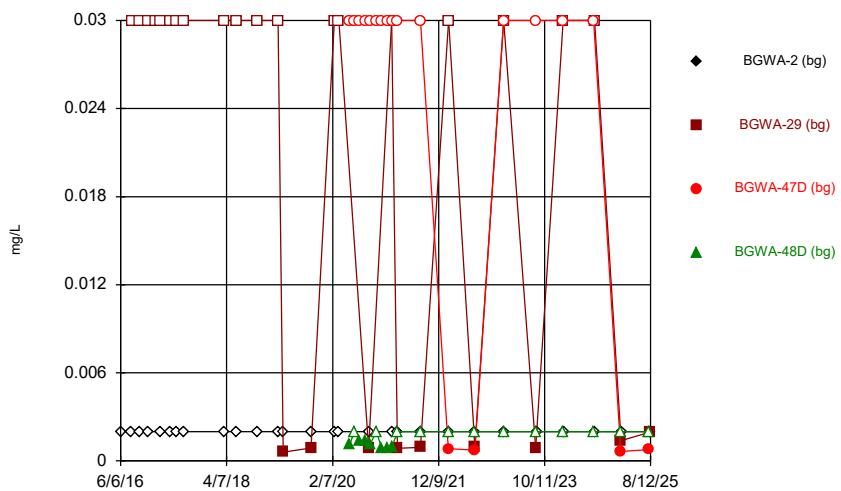
Time Series



Constituent: Lead Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

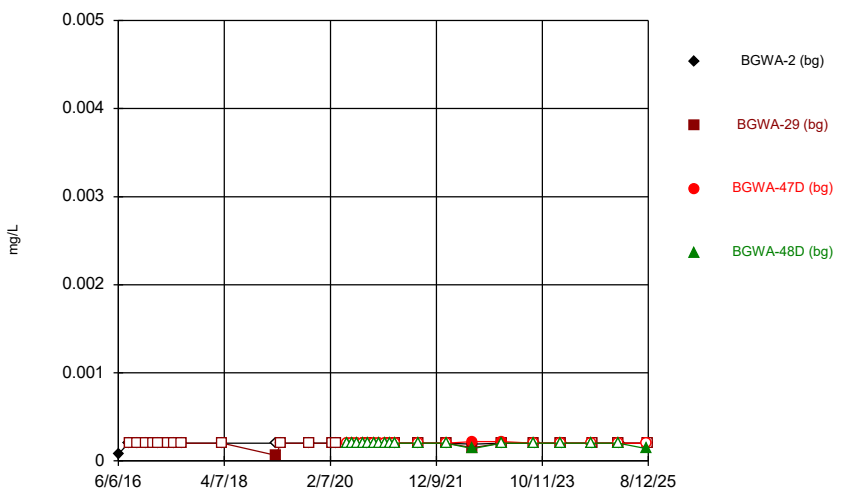
Time Series



Constituent: Lithium Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

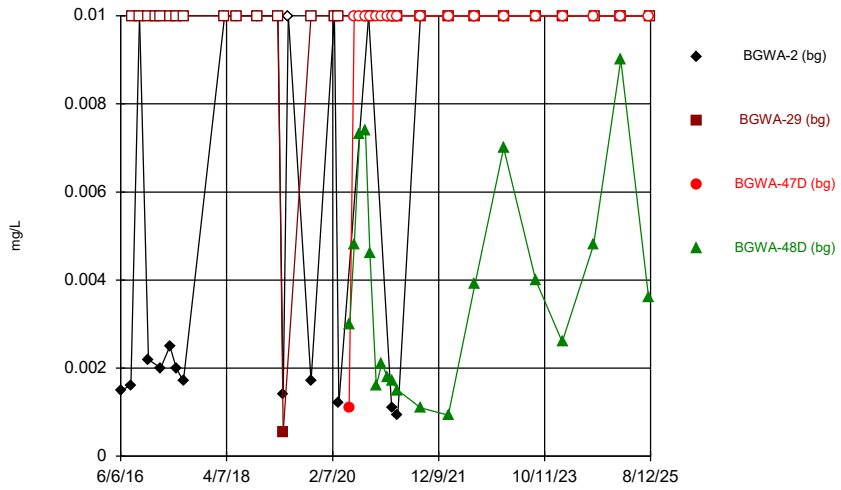
Time Series



Constituent: Mercury Analysis Run 9/16/2025 12:18 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

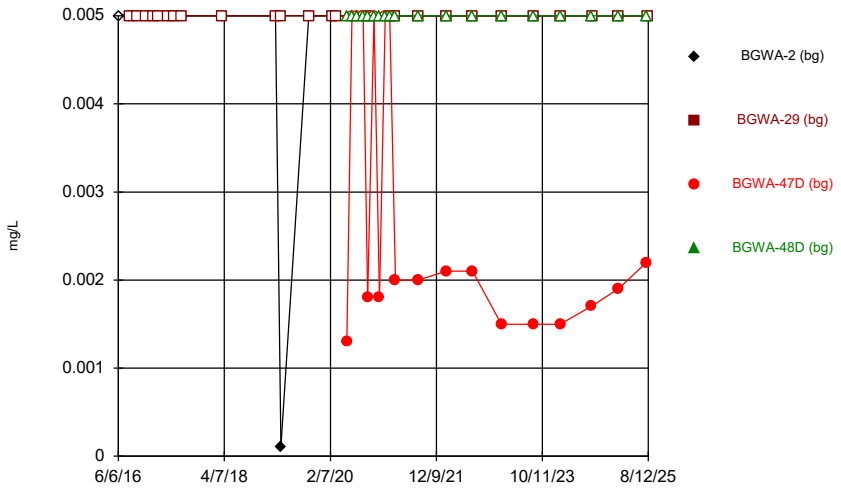
Time Series



Constituent: Molybdenum Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

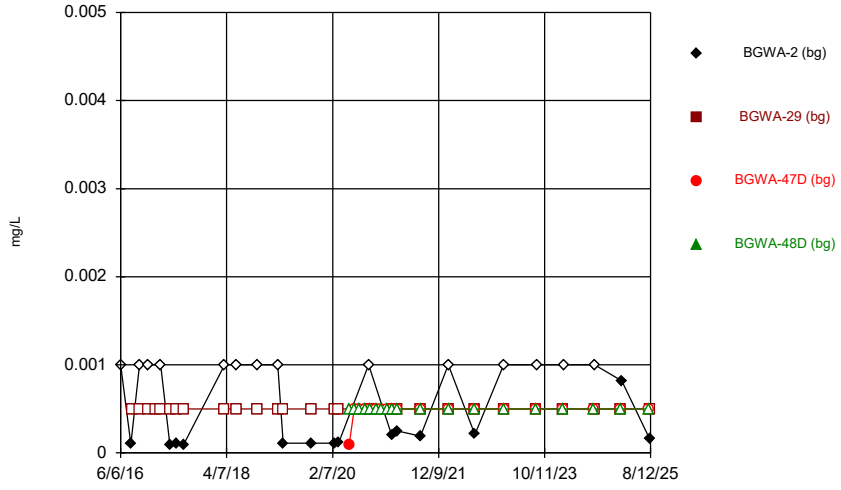
Time Series



Constituent: Selenium Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 68.6% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

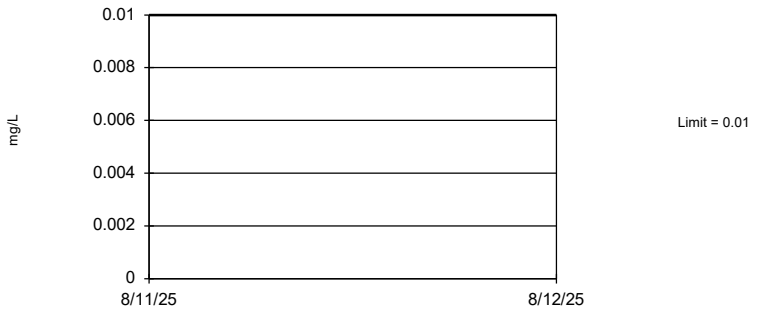
Constituent: Antimony Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 94 background values. 59.57% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008054.

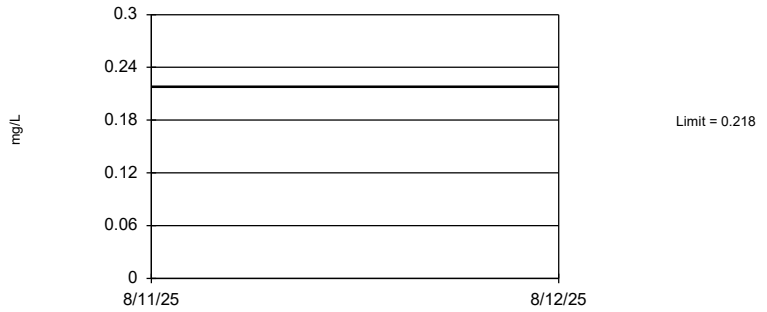
Constituent: Arsenic Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 94 background values. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008054.

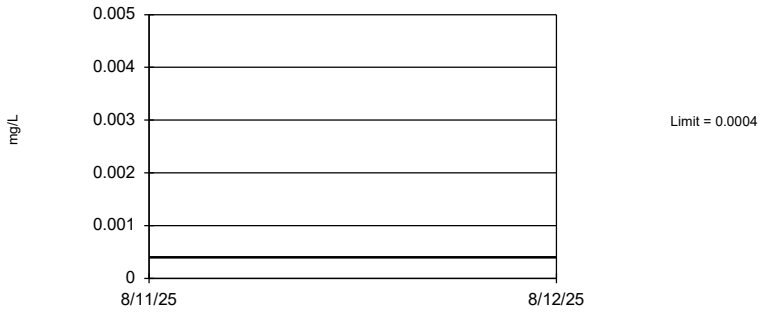
Constituent: Barium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 98.89% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

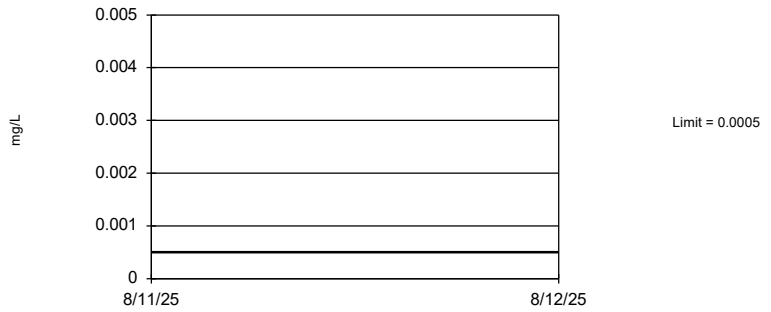
Constituent: Beryllium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 94 background values. 97.87% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008054.

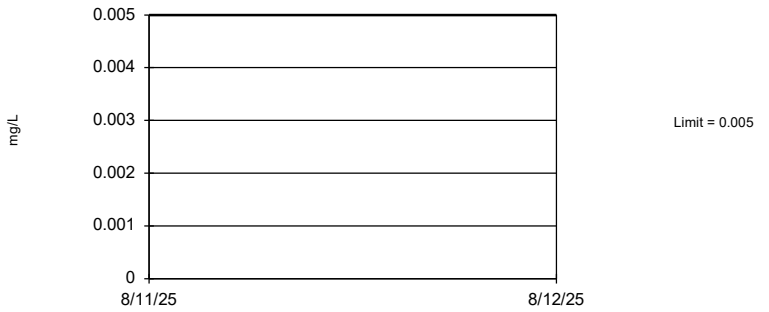
Constituent: Cadmium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 71.11% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

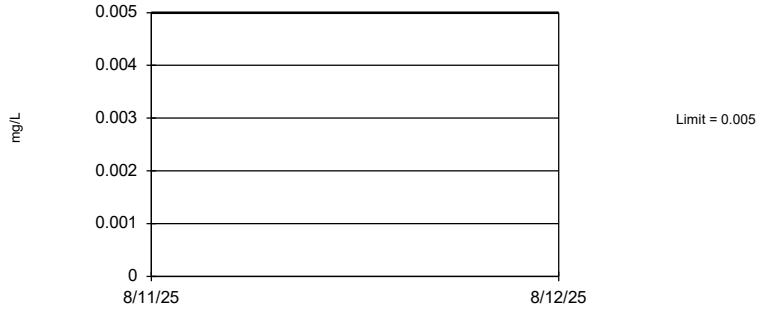
Constituent: Chromium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 95 background values. 93.68% NDs. 95.12% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.007651.

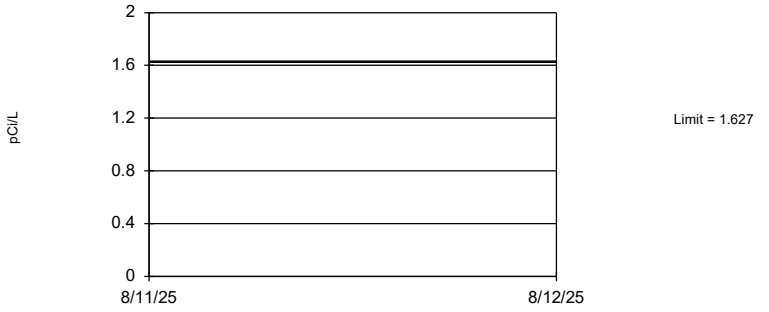
Constituent: Cobalt Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Parametric



95% coverage. Background Data Summary: Mean=0.7945, Std. Dev.=0.4302, n=94. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9707, critical = 0.964. Report alpha = 0.05.

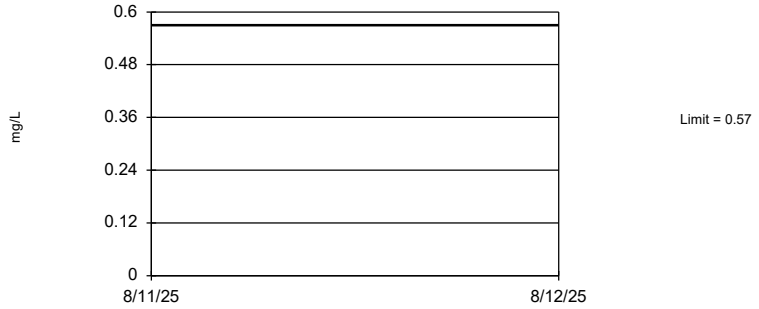
Constituent: Combined Radium 226 + 228 Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limit

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



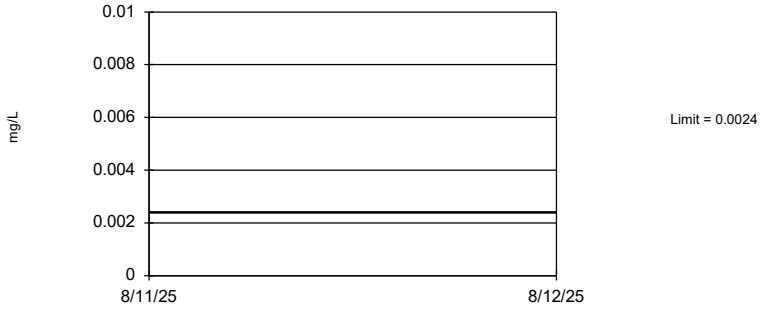
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 97 background values. 48.45% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Fluoride Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



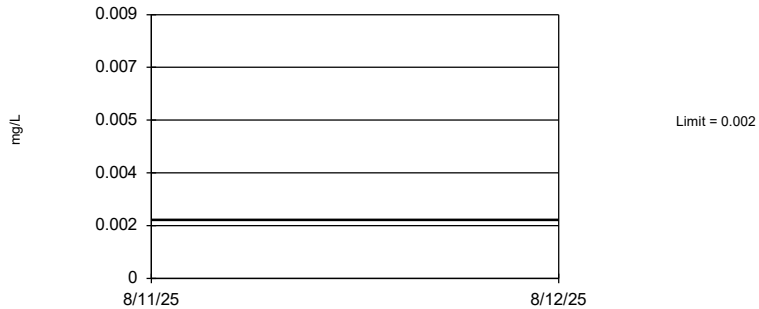
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 71.11% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

Constituent: Lead Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



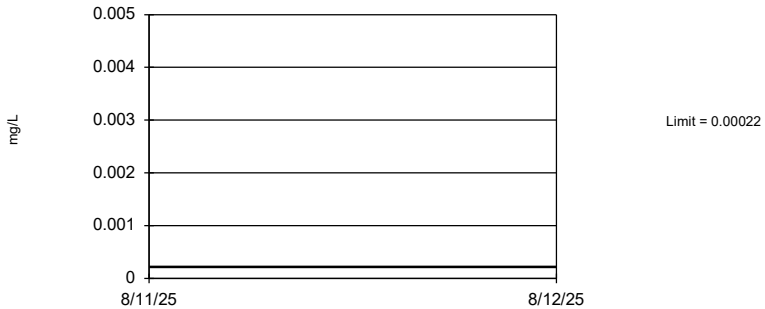
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 94 background values. 78.72% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008054.

Constituent: Lithium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 91.11% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

Constituent: Mercury Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 95 background values. 65.26% NDs. 95.12% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.007651.

Constituent: Molybdenum Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 84.44% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

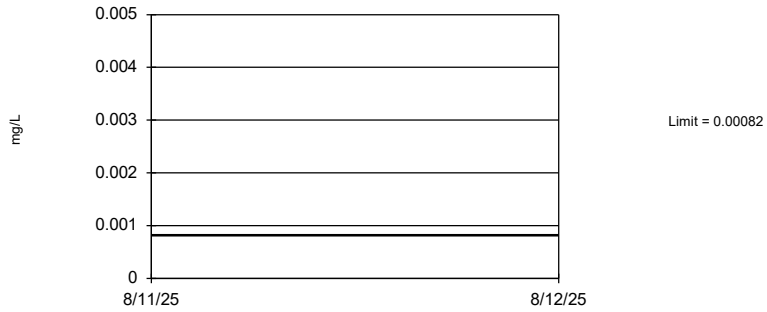
Constituent: Selenium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 94 background values. 84.04% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008054.

Constituent: Thallium Analysis Run 9/16/2025 12:17 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.002			
8/9/2016	<0.002			
8/22/2016		<0.002		
10/3/2016	<0.002			
10/4/2016		<0.002		
11/29/2016	<0.002			
12/1/2016		<0.002		
1/10/2017		<0.002		
2/13/2017	<0.002			
2/14/2017		<0.002		
4/13/2017	0.0004 (J)			
4/14/2017		<0.002		
5/25/2017	<0.002	<0.002		
7/7/2017	<0.002			
7/10/2017		<0.002		
3/26/2018	<0.002	<0.002		
2/25/2019	<0.002			
2/27/2019		<0.002		
2/18/2020	<0.002			
2/19/2020		<0.002		
3/18/2020	<0.002	<0.002		
5/22/2020			<0.002	
5/25/2020				0.0042
6/23/2020			<0.002	0.00074 (J)
7/28/2020			0.0013 (J)	0.0014 (J)
9/2/2020			0.00082 (J)	
9/3/2020				0.0023 (J)
9/23/2020	<0.002	<0.002		
10/1/2020			0.00056 (J)	0.0026 (J)
11/10/2020			0.0019 (J)	0.0016 (J)
12/15/2020			0.0018 (J)	0.0018 (J)
1/20/2021			0.00068 (J)	0.0015 (J)
2/16/2021	<0.002	0.0015 (J)		
2/17/2021			0.0013 (J)	0.0013 (J)
3/23/2021		<0.002		
3/25/2021			<0.002	0.0008 (J)
3/26/2021	<0.002			
8/16/2021	<0.002	<0.002	<0.002	0.0018 (J)
2/9/2022	<0.002		<0.002	0.0018 (J)
2/10/2022		<0.002		
7/26/2022	<0.002	0.00096 (J)	<0.002	0.0008 (J)
1/24/2023	<0.002	<0.002	<0.002	<0.002
8/15/2023			<0.002	
8/16/2023		<0.002		<0.002
8/21/2023	<0.002			
1/31/2024			<0.002	0.001 (J)
2/5/2024		<0.002		
2/8/2024	0.0012 (J)			
8/15/2024			<0.002	0.00081 (J)
8/21/2024	<0.002	<0.002		
2/4/2025			<0.002	<0.002
2/6/2025		<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/10/2025	<0.002			
7/31/2025			<0.002	<0.002
8/5/2025	0.001 (J)			
8/12/2025		<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	0.0012 (J)			
8/9/2016	<0.002			
8/22/2016		<0.002		
10/3/2016	<0.002			
10/4/2016		<0.002		
11/29/2016	0.0023 (J)			
12/1/2016		<0.002		
1/10/2017		<0.002		
2/13/2017	<0.002			
2/14/2017		<0.002		
4/13/2017	0.0017 (J)			
4/14/2017		0.0006 (J)		
5/25/2017	0.0015 (J)	0.0008 (J)		
7/7/2017	0.001 (J)			
7/10/2017		0.0008 (J)		
3/26/2018	0.0019 (J)	0.00066 (J)		
6/12/2018	0.0013 (J)	0.00059 (J)		
10/16/2018	0.00075 (J)	<0.002		
2/25/2019	<0.002			
2/27/2019		0.0011 (J)		
4/1/2019	0.00049 (J)	0.00019 (J)		
9/23/2019	0.00095 (J)	0.00053 (J)		
2/18/2020	0.002 (J)			
2/19/2020		0.0012 (J)		
3/18/2020	<0.002	<0.002		
5/22/2020			0.00059 (J)	
5/25/2020				0.0025 (J)
6/23/2020			<0.002	0.01
7/28/2020			0.00081 (J)	0.0039 (J)
9/2/2020			<0.002	
9/3/2020				0.0018 (J)
9/23/2020	<0.002	<0.002		
10/1/2020			<0.002	0.0014 (J)
11/10/2020			<0.002	<0.002
12/15/2020			<0.002	<0.002
1/20/2021			<0.002	<0.002
2/16/2021	<0.002	<0.002		
2/17/2021			<0.002	<0.002
3/23/2021		<0.002		
3/25/2021			0.0014 (J)	0.0042 (J)
3/26/2021	<0.002			
8/16/2021	<0.002	<0.002	0.0012 (J)	0.0079
2/9/2022	<0.002		<0.002	0.0057
2/10/2022		<0.002		
7/26/2022	<0.002	<0.002	<0.002	<0.002
1/24/2023	<0.002	<0.002	<0.002	<0.002
8/15/2023			<0.002	
8/16/2023		<0.002		<0.002
8/21/2023	<0.002			
1/31/2024			<0.002	0.0038 (J)
2/5/2024		<0.002		
2/8/2024	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
8/15/2024			<0.002	0.004 (J)
8/21/2024	0.0019 (J)	0.0011 (J)		
2/4/2025			<0.002	0.0031 (J)
2/6/2025		<0.002		
2/10/2025	<0.002			
7/31/2025			<0.002	0.0034
8/5/2025	<0.002			
8/12/2025		<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	0.2			
8/9/2016	0.188			
8/22/2016		0.0094 (J)		
10/3/2016	0.191			
10/4/2016		0.0188		
11/29/2016	0.201			
12/1/2016		0.0334		
1/10/2017		0.0306		
2/13/2017	0.218			
2/14/2017		0.0247		
4/13/2017	0.19			
4/14/2017		0.0231		
5/25/2017	0.193	0.0235		
7/7/2017	0.148			
7/10/2017		0.0207		
3/26/2018	0.17	0.016		
6/12/2018	0.18	0.018		
10/16/2018	0.17	0.016		
2/25/2019	0.16			
2/27/2019		0.013		
4/1/2019	0.16	0.014		
9/23/2019	0.21	0.016		
2/18/2020	0.15			
2/19/2020		0.013		
3/18/2020	0.14	0.013		
5/22/2020			0.046	
5/25/2020				0.12
6/23/2020			0.065	0.067
7/28/2020			0.081	0.098
9/2/2020			0.058	
9/3/2020				0.067
9/23/2020	0.14	0.014		
10/1/2020			0.058	0.073
11/10/2020			0.057	0.071
12/15/2020			0.059	0.073
1/20/2021			0.058	0.071
2/16/2021	0.15	0.013		
2/17/2021			0.06	0.064
3/23/2021		0.013		
3/25/2021			0.057	0.091
3/26/2021	0.14			
8/16/2021	0.13	0.017	0.06	0.074
2/9/2022	0.12		0.057	0.054
2/10/2022		0.011		
7/26/2022	0.12	0.013	0.056	0.025
1/24/2023	0.1	0.012	0.059	0.024
8/15/2023			0.055	
8/16/2023		0.015		0.03
8/21/2023	0.11			
1/31/2024			0.054	0.052
2/5/2024		0.011		
2/8/2024	0.11			

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
8/15/2024			0.051	0.044
8/21/2024	0.1	0.011		
2/4/2025			0.057	0.045
2/6/2025		0.013		
2/10/2025	0.11			
7/31/2025			0.053	0.061
8/5/2025	0.099			
8/12/2025		0.012		

Tolerance Limit

Constituent: Beryllium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.0004			
8/9/2016	<0.0004			
8/22/2016		<0.0004		
10/3/2016	<0.0004			
10/4/2016		<0.0004		
11/29/2016	<0.0004			
12/1/2016		<0.0004		
1/10/2017		<0.0004		
2/13/2017	<0.0004			
2/14/2017		<0.0004		
4/13/2017	<0.0004			
4/14/2017		<0.0004		
5/25/2017	<0.0004	<0.0004		
7/7/2017	<0.0004			
7/10/2017		<0.0004		
3/26/2018	<0.0004	<0.0004		
2/25/2019	<0.0004			
2/27/2019		<0.0004		
4/1/2019	<0.0004	<0.0004		
9/23/2019	<0.0004	<0.0004		
2/18/2020	<0.0004			
2/19/2020		<0.0004		
3/18/2020	<0.0004	<0.0004		
5/22/2020			<0.0004	
5/25/2020				<0.0004
6/23/2020			<0.0004	<0.0004
7/28/2020			<0.0004	<0.0004
9/2/2020			<0.0004	
9/3/2020				<0.0004
9/23/2020	<0.0004	<0.0004		
10/1/2020			<0.0004	5.7E-05 (J)
11/10/2020			<0.0004	<0.0004
12/15/2020			<0.0004	<0.0004
1/20/2021			<0.0004	<0.0004
2/16/2021	<0.0004	<0.0004		
2/17/2021			<0.0004	<0.0004
3/23/2021		<0.0004		
3/25/2021			<0.0004	<0.0004
3/26/2021	<0.0004			
8/16/2021	<0.0004	<0.0004	<0.0004	<0.0004
2/9/2022	<0.0004		<0.0004	<0.0004
2/10/2022		<0.0004		
7/26/2022	<0.0004	<0.0004	<0.0004	<0.0004
1/24/2023	<0.0004	<0.0004	<0.0004	<0.0004
8/15/2023			<0.0004	
8/16/2023		<0.0004		<0.0004
8/21/2023	<0.0004			
1/31/2024			<0.0004	<0.0004
2/5/2024		<0.0004		
2/8/2024	<0.0004			
8/15/2024			<0.0004	<0.0004
8/21/2024	<0.0004	<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Beryllium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/4/2025			<0.0004	<0.0004
2/6/2025		<0.0004		
2/10/2025	<0.0004			
7/31/2025			<0.0004	<0.0004
8/5/2025	<0.0004			
8/12/2025		<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.0005			
8/9/2016	<0.0005			
8/22/2016		<0.0005		
10/3/2016	<0.0005			
10/4/2016		<0.0005		
11/29/2016	<0.0005			
12/1/2016		<0.0005		
1/10/2017		9E-05 (J)		
2/13/2017	<0.0005			
2/14/2017		<0.0005		
4/13/2017	<0.0005			
4/14/2017		<0.0005		
5/25/2017	<0.0005	<0.0005		
7/7/2017	<0.0005			
7/10/2017		<0.0005		
3/26/2018	<0.0005	<0.0005		
6/12/2018	<0.0005	<0.0005		
10/16/2018	<0.0005	<0.0005		
2/25/2019	<0.0005			
2/27/2019		<0.0005		
4/1/2019	<0.0005	<0.0005		
9/23/2019	<0.0005	<0.0005		
2/18/2020	<0.0005			
2/19/2020		<0.0005		
3/18/2020	<0.0005	<0.0005		
5/22/2020			<0.0005	
5/25/2020				<0.0005
6/23/2020			<0.0005	<0.0005
7/28/2020			<0.0005	<0.0005
9/2/2020			<0.0005	
9/3/2020				<0.0005
9/23/2020	<0.0005	<0.0005		
10/1/2020			<0.0005	<0.0005
11/10/2020			<0.0005	<0.0005
12/15/2020			<0.0005	<0.0005
1/20/2021			<0.0005	<0.0005
2/16/2021	<0.0005	<0.0005		
2/17/2021			<0.0005	<0.0005
3/23/2021		<0.0005		
3/25/2021			<0.0005	<0.0005
3/26/2021	0.00018 (J)			
8/16/2021	<0.0005	<0.0005	<0.0005	<0.0005
2/9/2022	<0.0005		<0.0005	<0.0005
2/10/2022		<0.0005		
7/26/2022	<0.0005	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005
8/15/2023			<0.0005	
8/16/2023		<0.0005		<0.0005
8/21/2023	<0.0005			
1/31/2024			<0.0005	<0.0005
2/5/2024		<0.0005		
2/8/2024	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
8/15/2024			<0.0005	<0.0005
8/21/2024	<0.0005	<0.0005		
2/4/2025			<0.0005	<0.0005
2/6/2025		<0.0005		
2/10/2025	<0.0005			
7/31/2025			<0.0005	<0.0005
8/5/2025	<0.0005			
8/12/2025		<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.005			
8/9/2016	0.0019 (J)			
8/22/2016		<0.005		
10/3/2016	<0.005			
10/4/2016		0.0013 (J)		
11/29/2016	<0.005			
12/1/2016		<0.005		
1/10/2017		<0.005		
2/13/2017	<0.005			
2/14/2017		<0.005		
4/13/2017	0.0005 (J)			
4/14/2017		0.0005 (J)		
5/25/2017	<0.005	0.0004 (J)		
7/7/2017	0.0008 (J)			
7/10/2017		0.0005 (J)		
3/26/2018	<0.005	<0.005		
2/25/2019	<0.005			
2/27/2019		<0.005		
4/1/2019	<0.005	<0.005		
9/23/2019	<0.005	0.00047 (J)		
2/18/2020	0.00048 (J)			
2/19/2020		0.00053 (J)		
3/18/2020	<0.005	0.00052 (J)		
5/22/2020			0.00044 (J)	
5/25/2020				<0.005
6/23/2020			0.00043 (J)	0.00042 (J)
7/28/2020			<0.005	<0.005
9/2/2020			<0.005	
9/3/2020				<0.005
9/23/2020	<0.005	<0.005		
10/1/2020			0.0014 (J)	0.00056 (J)
11/10/2020			0.00059 (J)	<0.005
12/15/2020			0.00069 (J)	<0.005
1/20/2021			0.00061 (J)	<0.005
2/16/2021	<0.005	0.00071 (J)		
2/17/2021			0.00099 (J)	0.00069 (J)
3/23/2021		0.00059 (J)		
3/25/2021			<0.005	<0.005
3/26/2021	0.00071 (J)			
8/16/2021	<0.005	<0.005	0.0022 (J)	<0.005
2/9/2022	<0.005		<0.005	<0.005
2/10/2022		<0.005		
7/26/2022	<0.005	<0.005	<0.005	<0.005
1/24/2023	0.0011 (J)	<0.005	<0.005	<0.005
8/15/2023			<0.005	
8/16/2023		<0.005		<0.005
8/21/2023	<0.005			
1/31/2024			<0.005	<0.005
2/5/2024		<0.005		
2/8/2024	<0.005			
8/15/2024			<0.005	<0.005
8/21/2024	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 9/16/2025 12:19 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/4/2025			<0.005	<0.005
2/6/2025		<0.005		
2/10/2025	<0.005			
7/31/2025			<0.005	<0.005
8/5/2025	<0.005			
8/12/2025		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.005			
8/9/2016	0.0005 (J)			
8/22/2016		<0.005		
10/3/2016	<0.005			
10/4/2016		<0.005		
11/29/2016	<0.005			
12/1/2016		<0.005		
1/10/2017		<0.005		
2/13/2017	<0.005			
2/14/2017		<0.005		
4/13/2017	<0.005			
4/14/2017		<0.005		
5/25/2017	<0.005	<0.005		
7/7/2017	<0.005			
7/10/2017		<0.005		
3/26/2018	<0.005	<0.005		
6/12/2018	<0.005	<0.005		
10/16/2018	<0.005	<0.005		
2/25/2019	<0.005			
2/27/2019		<0.005		
4/1/2019	0.00014 (J)	<0.005		
5/2/2019	<0.005			
9/23/2019	0.00047 (J)	<0.005		
2/18/2020	<0.005			
2/19/2020		<0.005		
3/18/2020	<0.005	<0.005		
5/22/2020			<0.005	
5/25/2020				<0.005
6/23/2020			0.00031 (J)	<0.005
7/28/2020			<0.005	0.00064 (J)
9/2/2020			<0.005	
9/3/2020				<0.005
9/23/2020	<0.005	<0.005		
10/1/2020			<0.005	0.00039 (J)
11/10/2020			<0.005	<0.005
12/15/2020			<0.005	<0.005
1/20/2021			<0.005	<0.005
2/16/2021	<0.005	<0.005		
2/17/2021			<0.005	<0.005
3/23/2021		<0.005		
3/25/2021			<0.005	<0.005
3/26/2021	<0.005			
8/16/2021	<0.005	<0.005	<0.005	<0.005
2/9/2022	<0.005		<0.005	<0.005
2/10/2022		<0.005		
7/26/2022	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005
8/15/2023			<0.005	
8/16/2023		<0.005		<0.005
8/21/2023	<0.005			
1/31/2024			<0.005	<0.005
2/5/2024		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/8/2024	<0.005			
8/15/2024			<0.005	<0.005
8/21/2024	<0.005	<0.005		
2/4/2025			<0.005	<0.005
2/6/2025		<0.005		
2/10/2025	<0.005			
7/31/2025			<0.005	<0.005
8/5/2025	<0.005			
8/12/2025		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	0.838			
8/9/2016	1.18			
8/22/2016		0.356		
10/3/2016	0.815			
10/4/2016		0.0834		
11/29/2016	0.887			
12/1/2016		0.208		
1/10/2017		0.024 (U)		
2/13/2017	0.869			
2/14/2017		0.105		
4/13/2017	1.21			
4/14/2017		0.803		
5/25/2017	1.54	0.569		
7/7/2017	1.45			
7/10/2017		0.589 (U)		
3/26/2018	0.529 (U)	0.513 (U)		
6/12/2018	0.945 (U)	0.516 (U)		
10/16/2018	0.57 (U)	0.146 (U)		
2/25/2019	1.43			
2/27/2019		0.941 (U)		
4/1/2019	1.44 (U)	0.66 (U)		
9/23/2019	1.82	1.25		
2/18/2020	1.33			
2/19/2020		1.28		
3/18/2020	1.31	1.2 (U)		
5/22/2020			1.21 (U)	
5/25/2020				1.21 (U)
6/23/2020			0.955 (U)	1.44
7/28/2020			1.59	0.592 (U)
9/2/2020			0.59 (U)	
9/3/2020				1.06 (U)
9/23/2020	1.43	0.53 (U)		
10/1/2020			0.754 (U)	0.597 (U)
11/10/2020			0.403 (U)	0.188 (U)
12/15/2020			0.263 (U)	0.464 (U)
1/20/2021			0.669 (U)	1.33 (U)
2/16/2021	0.938 (U)	0.344 (U)		
2/17/2021			0.537 (U)	1.1 (U)
3/23/2021		0.322 (U)		
3/25/2021			1.15 (U)	1.08 (U)
3/26/2021	1.03 (U)			
8/16/2021	0.684 (U)	0.539 (U)	0.536 (U)	0.0949 (U)
2/9/2022	0.264 (U)		0.539 (U)	0.504 (U)
2/10/2022		0.181 (U)		
7/26/2022	1.53	0.634 (U)	1.51	1.27 (U)
1/24/2023	1.52	0.711 (U)	0.955 (U)	0.589 (U)
8/15/2023			0.758 (U)	
8/16/2023		0.252 (U)		0.578 (U)
8/21/2023	0.561 (U)			
1/31/2024			1.44	0.437 (U)
2/5/2024		0.371 (U)		
2/8/2024	0.437 (U)			

Tolerance Limit

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
8/15/2024			0.864 (U)	0.697 (U)
8/21/2024	0.699 (U)	0.723 (U)		
2/4/2025			1.47	0.782 (U)
2/6/2025		0.347 (U)		
2/10/2025	0.578 (U)			
7/31/2025			0.923 (U)	0.736 (U)
8/5/2025	0.541 (U)			
8/12/2025		0.245 (U)		

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	0.11 (J)			
8/9/2016	0.09 (J)			
8/22/2016		0.04 (J)		
10/3/2016	0.11 (J)			
10/4/2016		0.06 (J)		
11/29/2016	0.11 (J)			
12/1/2016		0.08 (J)		
1/10/2017		0.03 (J)		
2/13/2017	0.12 (J)			
2/14/2017		<0.1		
4/13/2017	0.1 (J)			
4/14/2017		0.01 (J)		
5/25/2017	0.08 (J)	0.005 (J)		
7/7/2017	0.13 (J)			
7/10/2017		0.06 (J)		
10/9/2017	0.11 (J)			
10/10/2017		<0.1		
3/26/2018	<0.1	<0.1		
6/12/2018	0.086 (J)	0.053 (J)		
10/16/2018	0.06 (J)	<0.1		
2/25/2019	<0.1			
2/27/2019		<0.1		
4/1/2019	0.047 (J)	<0.1		
5/2/2019	<0.1			
9/23/2019	0.076 (J)	<0.1		
2/18/2020	<0.1			
2/19/2020		<0.1		
3/18/2020	<0.1	<0.1		
5/22/2020			0.054 (J)	
5/25/2020				0.19 (J)
6/23/2020			<0.1	0.19
7/28/2020			<0.1	0.57
9/2/2020			<0.1	
9/3/2020				0.11
9/23/2020	<0.1	<0.1		
10/1/2020			<0.1	0.063 (J)
11/10/2020			<0.1	<0.1
12/15/2020			<0.1	<0.1
1/20/2021			<0.1	<0.1
2/16/2021	<0.1	<0.1		
2/17/2021			<0.1	<0.1
3/23/2021		<0.1		
3/25/2021			<0.1	<0.1
3/26/2021	<0.1			
8/16/2021	<0.1	<0.1	<0.1	<0.1
2/9/2022	<0.1		<0.1	0.065 (J)
2/10/2022		<0.1		
7/26/2022	0.066 (J)	0.058 (J)	0.064 (J)	0.086 (J)
1/24/2023	0.055 (J)	0.052 (J)	0.05 (J)	0.076 (J)
8/15/2023			0.06 (J)	
8/16/2023		0.06 (J)		0.075 (J)
8/21/2023	<0.1			

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
1/31/2024			0.05 (J)	0.082 (J)
2/5/2024		<0.1		
2/8/2024	<0.1			
8/15/2024			<0.1	0.064 (J)
8/21/2024	0.065 (J)	0.061 (J)		
2/4/2025			0.068 (J)	0.11
2/6/2025		0.06 (J)		
2/10/2025	0.094 (J)			
7/31/2025			<0.1	0.12
8/5/2025	0.055 (J)			
8/12/2025		<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	0.0024			
8/9/2016	<0.001			
8/22/2016		<0.001		
10/3/2016	<0.001			
10/4/2016		<0.001		
11/29/2016	0.0002 (J)			
12/1/2016		<0.001		
1/10/2017		<0.001		
2/13/2017	<0.001			
2/14/2017		<0.001		
4/13/2017	<0.001			
4/14/2017		<0.001		
5/25/2017	0.0001 (J)	<0.001		
7/7/2017	<0.001			
7/10/2017		<0.001		
3/26/2018	<0.001	<0.001		
2/25/2019	<0.001			
2/27/2019		<0.001		
4/1/2019	<0.001	<0.001		
9/23/2019	<0.001	<0.001		
2/18/2020	<0.001			
2/19/2020		<0.001		
3/18/2020	<0.001	<0.001		
5/22/2020			8.9E-05 (J)	
5/25/2020				0.00013 (J)
6/23/2020			5.8E-05 (J)	8.1E-05 (J)
7/28/2020			5.7E-05 (J)	5.2E-05 (J)
9/2/2020			7.4E-05 (J)	
9/3/2020				3.8E-05 (J)
9/23/2020	0.00014 (J)	<0.001		
10/1/2020			0.00021 (J)	0.00014 (J)
11/10/2020			6.5E-05 (J)	0.00013 (J)
12/15/2020			8E-05 (J)	0.00011 (J)
1/20/2021			7.2E-05 (J)	0.00025 (J)
2/16/2021	0.00011 (J)	4.2E-05 (J)		
2/17/2021			0.00015 (J)	0.00026 (J)
3/23/2021		<0.001		
3/25/2021			<0.001	0.00011 (J)
3/26/2021	6.8E-05 (J)			
8/16/2021	<0.001	<0.001	<0.001	<0.001
2/9/2022	<0.001		<0.001	<0.001
2/10/2022		<0.001		
7/26/2022	<0.001	<0.001	<0.001	<0.001
1/24/2023	<0.001	<0.001	<0.001	<0.001
8/15/2023			<0.001	
8/16/2023		<0.001		<0.001
8/21/2023	<0.001			
1/31/2024			<0.001	<0.001
2/5/2024		<0.001		
2/8/2024	<0.001			
8/15/2024			<0.001	<0.001
8/21/2024	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/4/2025			<0.001	<0.001
2/6/2025		<0.001		
2/10/2025	<0.001			
7/31/2025			<0.001	<0.001
8/5/2025	<0.001			
8/12/2025		<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.002			
8/9/2016	<0.002			
8/22/2016		<0.002		
10/3/2016	<0.002			
10/4/2016		<0.002		
11/29/2016	<0.002			
12/1/2016		<0.002		
1/10/2017		<0.002		
2/13/2017	<0.002			
2/14/2017		<0.002		
4/13/2017	<0.002			
4/14/2017		<0.002		
5/25/2017	<0.002	<0.002		
7/7/2017	<0.002			
7/10/2017		<0.002		
3/26/2018	<0.002	<0.002		
6/12/2018	<0.002	<0.002		
10/16/2018	<0.002	<0.002		
2/25/2019	<0.002			
2/27/2019		<0.002		
4/1/2019	<0.002	0.00059 (J)		
9/23/2019	<0.002	0.00089 (J)		
2/18/2020	<0.002			
2/19/2020		<0.002		
3/18/2020	<0.002	<0.002		
5/22/2020			<0.002	
5/25/2020				0.0011 (J)
6/23/2020			<0.002	<0.002
7/28/2020			<0.002	0.0014 (J)
9/2/2020			<0.002	
9/3/2020				0.0014 (J)
9/23/2020	<0.002	0.00085 (J)		
10/1/2020			<0.002	0.0011 (J)
11/10/2020			<0.002	<0.002
12/15/2020			<0.002	0.00089 (J)
1/20/2021			<0.002	0.00091 (J)
2/16/2021	<0.002	<0.002		
2/17/2021			<0.002	0.00099 (J)
3/23/2021		0.00087 (J)		
3/25/2021			<0.002	<0.002
3/26/2021	<0.002			
8/16/2021	<0.002	0.00093 (J)	<0.002	<0.002
2/9/2022	<0.002		0.00083 (J)	<0.002
2/10/2022		<0.002		
7/26/2022	<0.002	0.00095 (J)	0.00073 (J)	<0.002
1/24/2023	<0.002	<0.002	<0.002	<0.002
8/15/2023			<0.002	
8/16/2023		0.00086 (J)		<0.002
8/21/2023	<0.002			
1/31/2024			<0.002	<0.002
2/5/2024		<0.002		
2/8/2024	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
8/15/2024			<0.002	<0.002
8/21/2024	<0.002	<0.002		
2/4/2025			0.000632 (J)	<0.002
2/6/2025		0.00139 (J)		
2/10/2025	<0.002			
7/31/2025			0.000775 (J)	<0.002
8/5/2025	<0.002			
8/12/2025		0.00197 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Mercury (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	7.7E-05 (J)			
8/9/2016	<0.0002			
8/22/2016		<0.0002		
10/3/2016	<0.0002			
10/4/2016		<0.0002		
11/29/2016	<0.0002			
12/1/2016		<0.0002		
1/10/2017		<0.0002		
2/13/2017	<0.0002			
2/14/2017		<0.0002		
4/13/2017	<0.0002			
4/14/2017		<0.0002		
5/25/2017	<0.0002	<0.0002		
7/7/2017	<0.0002			
7/10/2017		<0.0002		
3/26/2018	<0.0002	<0.0002		
2/25/2019	<0.0002			
2/27/2019		6.5E-05 (J)		
4/1/2019	<0.0002	<0.0002		
9/23/2019	<0.0002	<0.0002		
2/18/2020	<0.0002			
2/19/2020		<0.0002		
3/18/2020	<0.0002	<0.0002		
5/22/2020			<0.0002	
5/25/2020				<0.0002
6/23/2020			<0.0002	<0.0002
7/28/2020			<0.0002	<0.0002
9/2/2020			<0.0002	
9/3/2020				<0.0002
9/23/2020	<0.0002	<0.0002		
10/1/2020			<0.0002	<0.0002
11/10/2020			<0.0002	<0.0002
12/15/2020			<0.0002	<0.0002
1/20/2021			<0.0002	<0.0002
2/16/2021	<0.0002	<0.0002		
2/17/2021			<0.0002	<0.0002
3/23/2021		<0.0002		
3/25/2021			<0.0002	<0.0002
3/26/2021	<0.0002			
8/16/2021	<0.0002	<0.0002	<0.0002	<0.0002
2/9/2022	<0.0002		<0.0002	<0.0002
2/10/2022		<0.0002		
7/26/2022	0.00019 (J)	0.00015 (J)	0.00022	0.00014 (J)
1/24/2023	<0.0002	<0.0002	0.00022	<0.0002
8/15/2023			<0.0002	
8/16/2023		<0.0002		<0.0002
8/21/2023	<0.0002			
1/31/2024			<0.0002	<0.0002
2/5/2024		<0.0002		
2/8/2024	<0.0002			
8/15/2024			<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Mercury (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/4/2025			<0.0002	<0.0002
2/6/2025		<0.0002		
2/10/2025	<0.0002			
7/31/2025			<0.0002	0.00014 (J)
8/5/2025	<0.0002			
8/12/2025		<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	0.0015 (J)			
8/9/2016	0.0016 (J)			
8/22/2016		<0.01		
10/3/2016	<0.01			
10/4/2016		<0.01		
11/29/2016	0.0022 (J)			
12/1/2016		<0.01		
1/10/2017		<0.01		
2/13/2017	0.002 (J)			
2/14/2017		<0.01		
4/13/2017	0.0025 (J)			
4/14/2017		<0.01		
5/25/2017	0.002 (J)	<0.01		
7/7/2017	0.0017 (J)			
7/10/2017		<0.01		
3/26/2018	<0.01	<0.01		
6/12/2018	<0.01	<0.01		
10/16/2018	<0.01	<0.01		
2/25/2019	<0.01			
2/27/2019		<0.01		
4/1/2019	0.0014 (J)	0.00053 (J)		
5/2/2019	<0.01			
9/23/2019	0.0017 (J)	<0.01		
2/18/2020	<0.01			
2/19/2020		<0.01		
3/18/2020	0.0012 (J)	<0.01		
5/22/2020			0.0011 (J)	
5/25/2020				0.003 (J)
6/23/2020			<0.01	0.0048 (J)
7/28/2020			<0.01	0.0073 (J)
9/2/2020			<0.01	
9/3/2020				0.0074 (J)
9/23/2020	<0.01	<0.01		
10/1/2020			<0.01	0.0046 (J)
11/10/2020			<0.01	0.0016 (J)
12/15/2020			<0.01	0.0021 (J)
1/20/2021			<0.01	0.0018 (J)
2/16/2021	0.0011 (J)	<0.01		
2/17/2021			<0.01	0.0017 (J)
3/23/2021		<0.01		
3/25/2021			<0.01	0.0015 (J)
3/26/2021	0.00092 (J)			
8/16/2021	<0.01	<0.01	<0.01	0.0011 (J)
2/9/2022	<0.01		<0.01	0.00093 (J)
2/10/2022		<0.01		
7/26/2022	<0.01	<0.01	<0.01	0.0039 (J)
1/24/2023	<0.01	<0.01	<0.01	0.007 (J)
8/15/2023			<0.01	
8/16/2023		<0.01		0.004 (J)
8/21/2023	<0.01			
1/31/2024			<0.01	0.0026 (J)
2/5/2024		<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/8/2024	<0.01			
8/15/2024			<0.01	0.0048 (J)
8/21/2024	<0.01	<0.01		
2/4/2025			<0.01	0.009 (J)
2/6/2025		<0.01		
2/10/2025	<0.01			
7/31/2025			<0.01	0.0036 (J)
8/5/2025	<0.01			
8/12/2025		<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.005			
8/9/2016	<0.005			
8/22/2016		<0.005		
10/3/2016	<0.005			
10/4/2016		<0.005		
11/29/2016	<0.005			
12/1/2016		<0.005		
1/10/2017		<0.005		
2/13/2017	<0.005			
2/14/2017		<0.005		
4/13/2017	<0.005			
4/14/2017		<0.005		
5/25/2017	<0.005	<0.005		
7/7/2017	<0.005			
7/10/2017		<0.005		
3/26/2018	<0.005	<0.005		
2/25/2019	<0.005			
2/27/2019		<0.005		
4/1/2019	0.00011 (J)	<0.005		
9/23/2019	<0.005	<0.005		
2/18/2020	<0.005			
2/19/2020		<0.005		
3/18/2020	<0.005	<0.005		
5/22/2020			0.0013 (J)	
5/25/2020				<0.005
6/23/2020			<0.005	<0.005
7/28/2020			<0.005	<0.005
9/2/2020			<0.005	
9/3/2020				<0.005
9/23/2020	<0.005	<0.005		
10/1/2020			0.0018 (J)	<0.005
11/10/2020			<0.005	<0.005
12/15/2020			0.0018 (J)	<0.005
1/20/2021			<0.005	<0.005
2/16/2021	<0.005	<0.005		
2/17/2021			<0.005	<0.005
3/23/2021		<0.005		
3/25/2021			0.002 (J)	<0.005
3/26/2021	<0.005			
8/16/2021	<0.005	<0.005	0.002 (J)	<0.005
2/9/2022	<0.005		0.0021 (J)	<0.005
2/10/2022		<0.005		
7/26/2022	<0.005	<0.005	0.0021 (J)	<0.005
1/24/2023	<0.005	<0.005	0.0015 (J)	<0.005
8/15/2023			0.0015 (J)	
8/16/2023		<0.005		<0.005
8/21/2023	<0.005			
1/31/2024			0.0015 (J)	<0.005
2/5/2024		<0.005		
2/8/2024	<0.005			
8/15/2024			0.0017 (J)	<0.005
8/21/2024	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
2/4/2025			0.0019 (J)	<0.005
2/6/2025		<0.005		
2/10/2025	<0.005			
7/31/2025			0.0022 (J)	<0.005
8/5/2025	<0.005			
8/12/2025		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	<0.0005			
8/9/2016	0.0001 (J)			
8/22/2016		<0.0005		
10/3/2016	<0.0005			
10/4/2016		<0.0005		
11/29/2016	<0.0005			
12/1/2016		<0.0005		
1/10/2017		<0.0005		
2/13/2017	<0.0005			
2/14/2017		<0.0005		
4/13/2017	9E-05 (J)			
4/14/2017		<0.0005		
5/25/2017	0.0001 (J)	<0.0005		
7/7/2017	9E-05 (J)			
7/10/2017		<0.0005		
3/26/2018	<0.0005	<0.0005		
6/12/2018	<0.0005	<0.0005		
10/16/2018	<0.0005	<0.0005		
2/25/2019	<0.0005			
2/27/2019		<0.0005		
4/1/2019	0.00011 (J)	<0.0005		
9/23/2019	0.00011 (J)	<0.0005		
2/18/2020	0.00011 (J)			
2/19/2020		<0.0005		
3/18/2020	0.00012 (J)	<0.0005		
5/22/2020			8.8E-05 (J)	
5/25/2020				<0.0005
6/23/2020			<0.0005	<0.0005
7/28/2020			<0.0005	<0.0005
9/2/2020			<0.0005	
9/3/2020				<0.0005
9/23/2020	<0.0005	<0.0005		
10/1/2020			<0.0005	<0.0005
11/10/2020			<0.0005	<0.0005
12/15/2020			<0.0005	<0.0005
1/20/2021			<0.0005	<0.0005
2/16/2021	0.0002 (J)	<0.0005		
2/17/2021			<0.0005	<0.0005
3/23/2021		<0.0005		
3/25/2021			<0.0005	<0.0005
3/26/2021	0.00025 (J)			
8/16/2021	0.00019 (J)	<0.0005	<0.0005	<0.0005
2/9/2022	<0.0005		<0.0005	<0.0005
2/10/2022		<0.0005		
7/26/2022	0.00021 (J)	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005
8/15/2023			<0.0005	
8/16/2023		<0.0005		<0.0005
8/21/2023	<0.0005			
1/31/2024			<0.0005	<0.0005
2/5/2024		<0.0005		
2/8/2024	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 9/16/2025 12:20 PM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
8/15/2024			<0.0005	<0.0005
8/21/2024	<0.0005	<0.0005		
2/4/2025			<0.0005	<0.0005
2/6/2025		<0.0005		
2/10/2025	0.00082 (J)			
7/31/2025			<0.0005	<0.0005
8/5/2025	0.00016 (J)			
8/12/2025		<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

FIGURE H.

BOWEN ASH POND 1 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0004	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		1.63	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	0.002	0.04
Mercury, Total (mg/L)	0.002		0.00022	0.002
Molybdenum, Total (mg/L)		0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.00082	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE I.

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:15 PM

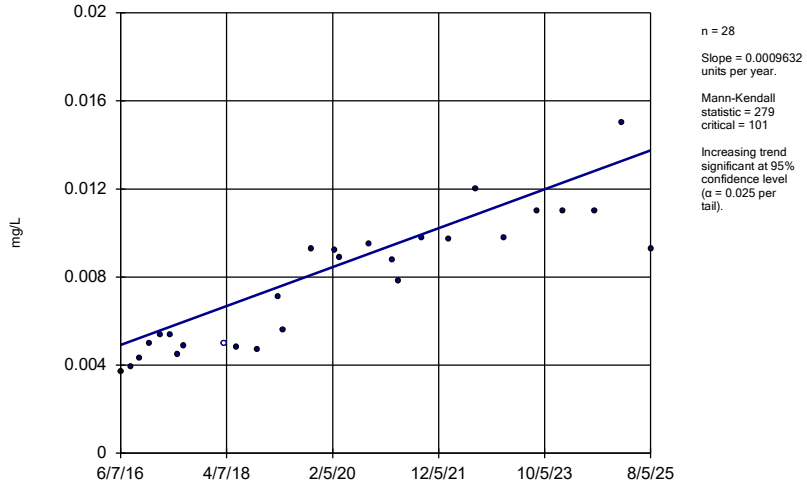
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.0009632**	**279**	**101**	**Yes**	**28**	**3.571**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.0056**	**198**	**101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-16



n = 28

Slope = 0.0009632 units per year.

Mann-Kendall statistic = 279 critical = 101

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

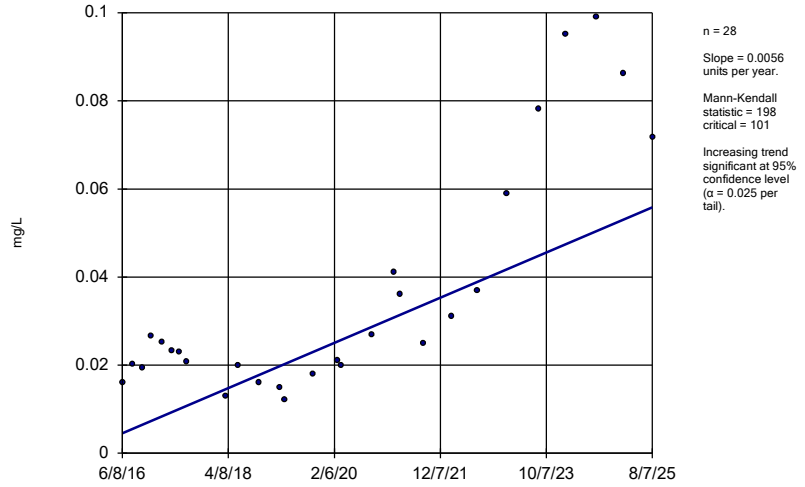
Constituent: Cobalt Analysis Run 9/17/2025 12:15 PM View: Date Range Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-20



n = 28

Slope = 0.0056 units per year.

Mann-Kendall statistic = 198 critical = 101

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 9/17/2025 12:15 PM View: Date Range Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - Truncated Record - All Results (No Significant)

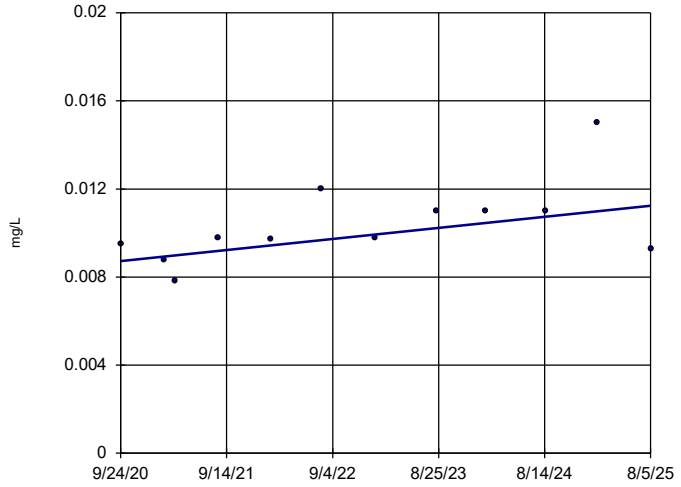
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	BGWC-16	0.0005171	28	30	No	12	0	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWC-20	0.01895	16	17	No	8	0	n/a	n/a	0.05	NP

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Sen's Slope Estimator

BGWC-16



n = 12

Slope = 0.0005171 units per year.

Mann-Kendall statistic = 28 critical = 30

Trend not significant at 95% confidence level (α = 0.025 per tail).

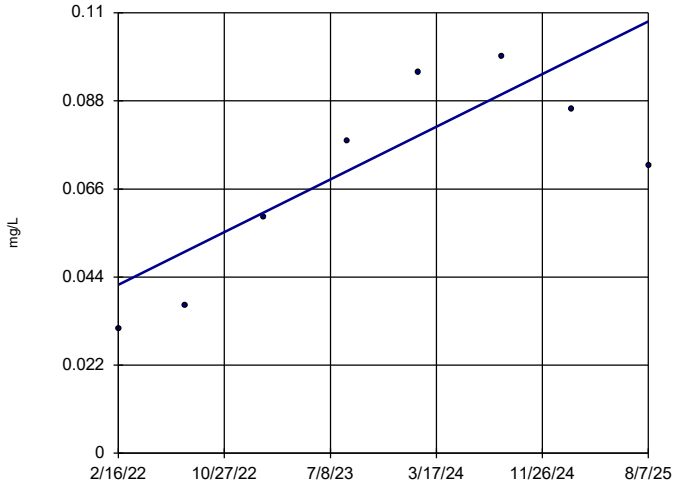
Constituent: Cobalt Analysis Run 9/17/2025 12:11 PM View: Date Range Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-20



n = 8

Slope = 0.01895 units per year.

Mann-Kendall statistic = 16 critical = 17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 9/17/2025 12:11 PM View: Date Range Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE J.

Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**BGWC-34D**	**0.01738**	**0.01483**	**0.01**	**Yes**	**19**	**0.01611**	**0.002183**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-16**	**0.01184**	**0.008946**	**0.006**	**Yes**	**12**	**0.01039**	**0.001843**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BGWC-22**	**0.02396**	**0.01588**	**0.006**	**Yes**	**31**	**0.02074**	**0.009669**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**BGWC-20**	**0.09655**	**0.04267**	**0.04**	**Yes**	**8**	**0.06961**	**0.02542**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**BGWC-43D**	**0.1888**	**0.1365**	**0.1**	**Yes**	**15**	**0.1627**	**0.03863**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWC-7	0.002	0.0016	0.006	No	24	0.001829	0.0004592	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.002	0.00059	0.006	No	24	0.00181	0.0005132	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.002	0.0014	0.006	No	23	0.001775	0.0005341	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.0021	0.0015	0.006	No	24	0.001992	0.0001139	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.002	0.00061	0.006	No	19	0.001837	0.0004899	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.002	0.0004	0.006	No	24	0.001933	0.0003266	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.002	0.0002	0.006	No	24	0.001925	0.0003674	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.002	0.0005	0.006	No	24	0.001938	0.0003062	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.002	0.0014	0.006	No	24	0.001913	0.0003248	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.002	0.0017	0.006	No	23	0.001961	0.0001373	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.0021	0.00085	0.006	No	24	0.001897	0.0004236	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.0031	0.0022	0.006	No	25	0.002709	0.001283	52	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	24	0.003331	0.001943	62.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.002	0.0013	0.006	No	24	0.001912	0.0003175	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-30	0.003	0.00085	0.006	No	24	0.002807	0.0006569	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.0023	0.00038	0.006	No	14	0.001906	0.0004463	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-32	0.002	0.00039	0.006	No	14	0.001768	0.0005901	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.002	0.00079	0.006	No	14	0.001806	0.0004974	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.0023	0.00086	0.006	No	14	0.001697	0.0005711	64.29	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.0021	0.00096	0.006	No	14	0.001933	0.0002813	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.003508	0.0007799	0.006	No	14	0.002731	0.002641	21.43	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.002	0.0005	0.006	No	14	0.001893	0.0004009	92.86	Kaplan-Meier	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-43D	0.002	0.00091	0.006	No	12	0.001749	0.0004954	75	Kaplan-Meier	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-49D	0.002	0.002	0.006	No	10	0.001839	0.0005091	90	Kaplan-Meier	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.002	0.0019	0.006	No	10	0.00196	0.00009661	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-51	0.002	0.0019	0.006	No	12	0.001992	0.00002887	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-52	0.002	0.00085	0.006	No	12	0.001773	0.0005114	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-7	0.002594	0.001735	0.01	No	28	0.002164	0.0009186	14.29	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.002	0.0008	0.01	No	28	0.001428	0.0006703	53.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-9	0.002253	0.001679	0.01	No	27	0.002319	0.0006355	22.22	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-10	0.006966	0.005363	0.01	No	28	0.006164	0.001715	3.571	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.002	0.00096	0.01	No	28	0.001673	0.0008216	46.43	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.0021	0.002	0.01	No	19	0.001979	0.0004577	73.68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.002	0.0011	0.01	No	28	0.001621	0.0006668	60.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.002	0.0014	0.01	No	28	0.001679	0.0005348	67.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.002	0.0014	0.01	No	28	0.001661	0.0005924	67.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.002	0.00082	0.01	No	28	0.001544	0.0006448	57.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.002	0.0016	0.01	No	28	0.002022	0.00133	42.86	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.002	0.0012	0.01	No	27	0.001644	0.0005627	59.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-22	0.00304	0.001668	0.01	No	28	0.002811	0.002231	14.29	None	ln(x)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.003732	0.001855	0.01	No	28	0.003071	0.002355	10.71	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005278	0.003117	0.01	No	29	0.004452	0.002577	13.79	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002688	0.001824	0.01	No	28	0.0025	0.0009428	17.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.001751	0.0008413	0.01	No	28	0.001833	0.0009066	39.29	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-31	0.005079	0.003557	0.01	No	17	0.004318	0.001215	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.002955	0.001085	0.01	No	17	0.002472	0.001659	23.53	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	**BGWC-34D**	**0.01738**	**0.01483**	**0.01**	**Yes**	**19**	**0.01611**	**0.002183**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	BGWC-35D	0.005952	0.001959	0.01	No	17	0.004333	0.00398	5.882	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.002237	0.0008106	0.01	No	17	0.002118	0.001386	41.18	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.0051	0.0019	0.01	No	14	0.002793	0.001493	28.57	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-40	0.002178	0.0006659	0.01	No	14	0.001984	0.0008829	42.86	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.004676	0.001198	0.01	No	12	0.003341	0.002504	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.007421	0.002439	0.01	No	10	0.00493	0.002943	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003105	0.002038	0.01	No	10	0.00314	0.001122	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.003541	0.001095	0.01	No	12	0.003067	0.00171	50	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.0028	0.001	0.01	No	12	0.002149	0.001018	58.33	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-7	0.005022	0.001517	0.01	No	6	0.00315	0.001507	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-7	0.03674	0.03019	2	No	28	0.03346	0.007007	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.02982	0.02686	2	No	28	0.02771	0.00508	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03079	0.0274	2	No	27	0.0291	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-10	0.05424	0.0439	2	No	28	0.04971	0.0121	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-12	0.04197	0.03319	2	No	28	0.03758	0.00939	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.03992	0.0324	2	No	19	0.03616	0.006423	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.0304	0.02751	2	No	28	0.02895	0.003096	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.0179	0.015	2	No	28	0.01678	0.002479	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-18	0.03431	0.0305	2	No	28	0.0325	0.004179	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-19	0.03767	0.03183	2	No	28	0.03475	0.006245	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03416	0.03149	2	No	28	0.03282	0.002859	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	BGWC-21	0.03996	0.02957	2	No	27	0.03477	0.01089	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.08696	0.07351	2	No	28	0.07903	0.01571	0	None	x^2	0.01	Param.
Barium (mg/L)	BGWC-23	0.1006	0.08085	2	No	28	0.09074	0.02115	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-24	0.09708	0.06648	2	No	29	0.08178	0.0334	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.02284	0.01708	2	No	28	0.02045	0.006704	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-30	0.15	0.062	2	No	28	0.1052	0.05956	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.0431	0.03685	2	No	17	0.04006	0.005129	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-32	0.12	0.085	2	No	17	0.09929	0.01886	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-34D	0.05297	0.04232	2	No	17	0.04765	0.0085	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.08442	0.05906	2	No	17	0.07253	0.02133	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-36D	0.074	0.058	2	No	17	0.06747	0.01343	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-38D	0.1638	0.09777	2	No	14	0.1308	0.04661	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05239	0.03932	2	No	14	0.04586	0.009223	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.07263	0.05787	2	No	12	0.06525	0.009411	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.07941	0.05799	2	No	10	0.0687	0.012	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.05785	0.03295	2	No	10	0.0454	0.01395	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.054	0.0057	2	No	12	0.02287	0.02227	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-52	0.084	0.018	2	No	12	0.042	0.02894	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-7	0.03182	0.01985	2	No	6	0.02583	0.004355	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0004	0.000076	0.004	No	26	0.0003739	0.00009222	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.0004	0.00013	0.004	No	26	0.0002396	0.0001313	34.62	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0004	0.000065	0.004	No	26	0.0003344	0.0001371	80.77	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0004	0.0001	0.004	No	26	0.0003008	0.0001522	69.23	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0004	0.000088	0.004	No	26	0.0002997	0.0001537	69.23	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.0004	0.00012	0.004	No	26	0.0002353	0.0001447	42.31	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0004	0.000054	0.004	No	26	0.0003867	0.00006786	96.15	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0004	0.00022	0.004	No	27	0.0002997	0.0001125	48.15	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-36D	0.0004	0.00007	0.004	No	16	0.0003794	0.0000825	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0004	0.00006	0.004	No	14	0.000282	0.0001645	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0004	0.000072	0.004	No	12	0.0002562	0.0001544	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-52	0.0004	0.000052	0.004	No	12	0.000371	0.0001005	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	PZ-7	0.0004	0.000064	0.004	No	6	0.0002342	0.0001817	50	None	No	0.0155	NP (normality)
Cadmium (mg/L)	BGWC-14A	0.00057	0.00019	0.005	No	19	0.0004079	0.0001971	31.58	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001898	0.001422	0.005	No	28	0.001689	0.0005439	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00017	0.005	No	28	0.0003096	0.0001644	39.29	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0005	0.0004	0.005	No	28	0.0004412	0.0001611	60.71	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	28	0.0004607	0.0001166	89.29	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	28	0.000485	0.00007937	96.43	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0009	0.00038	0.005	No	28	0.0005279	0.0003154	53.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	28	0.0004889	0.00005858	96.43	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.004997	0.002843	0.005	No	29	0.00392	0.002351	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0004	0.005	No	28	0.000435	0.0001245	64.29	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00044	0.005	No	14	0.0004807	0.0001366	71.43	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-43D	0.000825	0.0002428	0.005	No	12	0.000555	0.0004315	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0007	0.00043	0.005	No	12	0.0004892	0.00008764	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	12	0.0004258	0.0001353	75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-7	0.0005	0.00014	0.005	No	6	0.0003317	0.0001855	50	None	No	0.0155	NP (normality)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	26	0.004504	0.001401	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0012	0.1	No	26	0.005185	0.01195	38.46	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	25	0.004644	0.0009841	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	26	0.00485	0.0007649	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.0018	0.1	No	26	0.004016	0.001848	76.92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	19	0.005916	0.004933	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	26	0.004716	0.001018	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	26	0.004647	0.001246	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	26	0.004508	0.001392	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0024	0.1	No	26	0.003917	0.001697	65.38	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	25	0.004716	0.001027	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	26	0.004338	0.00146	80.77	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	27	0.004518	0.00139	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	26	0.004888	0.0005687	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.0009	0.1	No	26	0.002935	0.002116	50	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.0011	0.1	No	16	0.004206	0.00171	81.25	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00072	0.1	No	16	0.003901	0.001875	68.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.0086	0.0011	0.1	No	16	0.004443	0.002005	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.0006	0.1	No	16	0.003921	0.001932	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.0031	0.1	No	14	0.004537	0.001289	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00081	0.1	No	14	0.003481	0.002119	57.14	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	12	0.004783	0.0007506	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.005	0.1	No	10	0.004571	0.001357	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	12	0.004633	0.00127	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.0013	0.1	No	12	0.004042	0.001746	75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-7	0.00094	0.00068	0.006	No	28	0.001795	0.001887	25	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	28	0.004346	0.001641	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	27	0.004487	0.001481	88.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00051	0.006	No	28	0.00321	0.002267	60.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00048	0.006	No	28	0.0029	0.0023	53.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-14A	0.002302	0.00123	0.006	No	19	0.002737	0.001578	26.32	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	**BGWC-16**	**0.01184**	**0.008946**	**0.006**	**Yes**	**12**	**0.01039**	**0.001843**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	28	0.004827	0.0009166	96.43	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	28	0.004208	0.001733	82.14	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.00052	0.006	No	28	0.004664	0.001235	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	28	0.004348	0.001629	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.00064	0.006	No	27	0.003388	0.002751	33.33	None	No	0.01	NP (normality)
Cobalt (mg/L)	**BGWC-22**	**0.02396**	**0.01588**	**0.006**	**Yes**	**31**	**0.02074**	**0.009669**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	30	0.003818	0.002003	73.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.003743	0.002695	0.006	No	31	0.003219	0.001188	9.677	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	28	0.004672	0.001205	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0012	0.006	No	30	0.003637	0.001977	66.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00046	0.006	No	17	0.003402	0.002232	64.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-32	0.006364	0.002757	0.006	No	19	0.004561	0.00308	10.53	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.001598	0.0007975	0.006	No	17	0.001198	0.0006386	11.76	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.002607	0.001296	0.006	No	17	0.001952	0.001046	11.76	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00058	0.006	No	17	0.003472	0.002138	64.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-38D	0.003929	0.001523	0.006	No	15	0.003253	0.003319	6.667	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-40	0.005	0.00042	0.006	No	14	0.001449	0.001926	21.43	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.004388	0.002212	0.006	No	13	0.0033	0.001463	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.005	0.00079	0.006	No	10	0.001722	0.001732	20	None	No	0.011	NP (normality)
Cobalt (mg/L)	BGWC-50D	0.001618	0.0004459	0.006	No	10	0.001032	0.0006569	10	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.003608	0.0009967	0.006	No	12	0.002303	0.001664	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.604	1.24	5	No	28	1.422	0.3897	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7725	0.4558	5	No	28	0.6141	0.3389	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9143	0.5162	5	No	27	0.7609	0.4799	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.392	1.011	5	No	28	1.227	0.4471	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7458	0.4047	5	No	28	0.5752	0.365	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.112	0.527	5	No	19	0.8196	0.4996	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.15	0.7386	5	No	28	0.9443	0.4402	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8557	0.5278	5	No	28	0.6918	0.3508	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.007	0.6341	5	No	28	0.8573	0.452	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.071	0.6709	5	No	28	0.8708	0.4277	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.316	0.8795	5	No	28	1.098	0.4671	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8038	0.4994	5	No	27	0.6516	0.3191	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.688	1.952	5	No	28	2.32	0.7886	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.685	1.048	5	No	28	1.367	0.6811	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	2.948	1.64	5	No	28	2.727	2.463	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.8662	0.5243	5	No	28	0.6952	0.3658	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	1.908	1.041	5	No	27	1.475	0.9088	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.651	1.11	5	No	17	1.38	0.4321	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	1.834	1.172	5	No	17	1.503	0.5283	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.689	1.928	5	No	17	2.309	0.6074	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	2.886	2.134	5	No	17	2.51	0.6001	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	1.971	1.218	5	No	17	1.594	0.6011	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	4.833	3.088	5	No	14	3.961	1.232	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	0.8741	0.4369	5	No	14	0.6555	0.3086	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	1.724	1.213	5	No	12	1.468	0.3252	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	2.983	1.915	5	No	10	2.449	0.5989	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.283	0.8094	5	No	10	1.046	0.2655	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7109	0.4046	5	No	12	0.5578	0.1952	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.181	0.4109	5	No	12	0.7962	0.491	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7	1.78	0.2244	5	No	5	1.002	0.4643	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1751	0.1309	4	No	29	0.153	0.04827	3.448	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.063	4	No	29	0.07655	0.0278	48.28	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-9	0.14	0.09	4	No	28	0.1634	0.1324	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-10	0.0979	0.0565	4	No	29	0.09924	0.06441	31.03	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.1	0.08	4	No	29	0.1008	0.05532	34.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.065	4	No	19	0.08379	0.017	42.11	None	No	0.01	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-16	0.1209	0.06367	4	No	29	0.1258	0.1015	20.69	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.17	0.12	4	No	29	0.1789	0.1252	3.448	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.1	0.074	4	No	29	0.1154	0.08993	31.03	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.1	0.071	4	No	29	0.1096	0.09994	31.03	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.062	4	No	29	0.1081	0.1194	37.93	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.08	4	No	28	0.087	0.02383	60.71	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.33	0.23	4	No	32	0.3497	0.2584	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	31	0.1488	0.1911	22.58	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	0.65	0.097	4	No	32	0.6668	0.9973	6.25	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.1	0.066	4	No	29	0.08931	0.02946	48.28	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-30	0.17	0.075	4	No	31	0.1833	0.1868	16.13	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-31	0.1	0.055	4	No	17	0.09447	0.01562	88.24	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-32	0.51	0.12	4	No	19	0.2677	0.3082	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.057	4	No	17	0.08365	0.02354	64.71	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.22	0.13	4	No	17	0.2135	0.1847	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.15	0.11	4	No	17	0.1521	0.08236	5.882	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-38D	0.5698	0.3129	4	No	15	0.4413	0.1895	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09051	0.06682	4	No	15	0.08367	0.01919	20	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.033	0.8553	4	No	15	0.944	0.1309	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-49D	0.08105	0.05969	4	No	10	0.0812	0.01706	30	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1389	0.07287	4	No	10	0.1059	0.03702	10	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1706	0.1145	4	No	12	0.1426	0.03576	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1325	0.09403	4	No	12	0.1133	0.0245	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-7	0.07018	0.04932	4	No	6	0.07317	0.02187	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	26	0.0008727	0.000306	84.62	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.0001	0.015	No	25	0.0006907	0.0004287	64	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	26	0.0009358	0.000227	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.0003	0.015	No	26	0.0007557	0.0003865	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.00011	0.015	No	19	0.0008053	0.0003875	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.00021	0.015	No	26	0.0006181	0.0004007	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	26	0.0009646	0.0001806	96.15	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0002	0.015	No	26	0.0007604	0.000403	73.08	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	26	0.0009161	0.000251	88.46	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	26	0.0009301	0.0002469	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000094	0.015	No	25	0.0007394	0.0004266	72	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	26	0.0008013	0.0003726	76.92	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	26	0.0009404	0.000212	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	27	0.0008121	0.0003702	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0005	0.015	No	26	0.0007702	0.0003697	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00018	0.015	No	26	0.0006523	0.0004174	57.69	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-31	0.0006129	0.0002425	0.015	No	16	0.0006641	0.0003788	37.5	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	16	0.0008864	0.0003106	87.5	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.000054	0.015	No	16	0.0009409	0.0002365	93.75	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00018	0.015	No	16	0.0007006	0.0004041	62.5	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-36D	0.001	0.00017	0.015	No	16	0.000745	0.0003641	62.5	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-38D	0.001	0.00022	0.015	No	14	0.0007693	0.0003794	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00017	0.015	No	14	0.000705	0.0004114	64.29	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	12	0.0009267	0.000254	91.67	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.001	0.015	No	10	0.0009044	0.0003023	90	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.001	0.015	No	10	0.000914	0.000272	90	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00016	0.015	No	12	0.0007942	0.0003727	75	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.0001	0.015	No	12	0.000772	0.0004127	75	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-7	0.0088	0.0066	0.04	No	28	0.008446	0.003536	3.571	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-8	0.002	0.001	0.04	No	28	0.001964	0.000189	96.43	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.00211	0.0013	0.04	No	27	0.00994	0.01327	29.63	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	28	0.01165	0.01397	35.71	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	28	0.01358	0.01448	42.86	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00091	0.04	No	19	0.01183	0.01426	36.84	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00112	0.04	No	28	0.02687	0.009198	89.29	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00082	0.04	No	28	0.02791	0.00767	92.86	None	No	0.01	NP (NDs)
Lithium (mg/L)	**BGWC-20**	**0.09655**	**0.04267**	**0.04**	**Yes**	**8**	**0.06961**	**0.02542**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	BGWC-22	0.02679	0.01816	0.04	No	28	0.02248	0.00924	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02301	0.01417	0.04	No	28	0.0195	0.009989	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0078	0.0057	0.04	No	29	0.007334	0.002891	10.34	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0167	0.00132	0.04	No	28	0.008731	0.007638	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-32	0.03	0.00116	0.04	No	16	0.0282	0.00721	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	17	0.02314	0.01275	76.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01915	0.01259	0.04	No	17	0.01587	0.005233	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	BGWC-36D	0.0028	0.0012	0.04	No	17	0.003401	0.004441	11.76	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-38D	0.013	0.004245	0.04	No	13	0.008622	0.005886	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-40	0.002	0.00084	0.04	No	13	0.001653	0.0005435	69.23	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-43D	0.02579	0.01829	0.04	No	12	0.02204	0.004778	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.007986	0.004666	0.04	No	10	0.006326	0.001861	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0015	0.04	No	10	0.01582	0.01495	50	None	No	0.011	NP (normality)
Lithium (mg/L)	BGWC-51	0.03	0.0014	0.04	No	12	0.01827	0.01451	58.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-52	0.03	0.00105	0.04	No	12	0.009255	0.01256	25	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-7	0.03	0.000796	0.04	No	6	0.02072	0.01441	66.67	None	No	0.0155	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	26	0.0001943	0.00002883	96.15	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	26	0.0001945	0.00002138	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	25	0.0001908	0.00002798	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	26	0.0001895	0.00003502	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	26	0.000188	0.00003539	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00018	0.002	No	19	0.0001942	0.00001465	84.21	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	26	0.0001942	0.00002192	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002328	0.0001523	0.002	No	26	0.0002212	0.00007328	15.38	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	26	0.0001953	0.00002373	96.15	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	26	0.0001888	0.00003691	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	26	0.0001948	0.00002628	96.15	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	25	0.0002004	0.000002	96	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	26	0.0001898	0.00003683	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00013	0.002	No	26	0.0001855	0.00004303	88.46	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.001089	0.0002827	0.002	No	27	0.001006	0.001341	14.81	None	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	26	0.0001922	0.00003119	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.0001	0.002	No	26	0.000162	0.00005962	69.23	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	16	0.0001931	0.00001887	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	16	0.0001937	0.00001746	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	16	0.0001937	0.00001746	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.00018	0.002	No	16	0.0001962	0.00001088	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00026	0.00012	0.002	No	14	0.0002236	0.0001094	64.29	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-43D	0.0002	0.00015	0.002	No	12	0.0001958	0.00001443	91.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0033	0.00016	0.002	No	12	0.001077	0.00149	41.67	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWC-52	0.0002	0.00019	0.002	No	12	0.0001975	0.000006216	83.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7	0.001185	0.00007126	0.002	No	6	0.0006367	0.0004338	16.67	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	BGWC-7	0.011	0.0099	0.1	No	28	0.0104	0.00227	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.01	0.0013	0.1	No	28	0.005196	0.004092	39.29	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-9	0.003361	0.002661	0.1	No	27	0.003011	0.0007345	3.704	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-10	0.003714	0.002987	0.1	No	28	0.003425	0.0009013	3.571	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-14A	0.01	0.0013	0.1	No	19	0.003897	0.003816	26.32	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	28	0.009651	0.001846	96.43	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.028	0.013	0.1	No	28	0.02532	0.01832	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002864	0.001806	0.1	No	27	0.00417	0.003032	18.52	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.05338	0.0419	0.1	No	31	0.04909	0.01397	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-23	0.01231	0.01051	0.1	No	30	0.01062	0.00291	0	None	x^4	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0027	0.1	No	31	0.00686	0.003899	58.06	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-25	0.01	0.0064	0.1	No	28	0.007981	0.003356	71.43	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.009371	0.004517	0.1	No	30	0.008817	0.006718	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	17	0.009431	0.002345	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.004066	0.003434	0.1	No	18	0.00375	0.0005216	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.00098	0.1	No	17	0.002665	0.003511	17.65	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03517	0.02883	0.1	No	18	0.032	0.005247	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01231	0.008403	0.1	No	18	0.01036	0.003228	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1113	0.07324	0.1	No	16	0.09225	0.02922	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.0014	0.1	No	14	0.008092	0.003794	78.57	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**BGWC-43D**	**0.1888**	**0.1365**	**0.1**	**Yes**	**15**	**0.1627**	**0.03863**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	BGWC-49D	0.006421	0.004699	0.1	No	10	0.00556	0.0009652	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.005074	0.002526	0.1	No	10	0.0038	0.001428	10	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	12	0.009392	0.002107	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.005565	0.003442	0.1	No	12	0.00455	0.001543	8.333	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	26	0.004623	0.001332	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	25	0.003044	0.001943	48	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	26	0.004823	0.0009021	96.15	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	19	0.004811	0.0008259	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	26	0.003527	0.001625	50	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	26	0.00441	0.001436	84.62	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0024	0.05	No	26	0.004496	0.001228	84.62	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	26	0.00437	0.001516	84.62	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

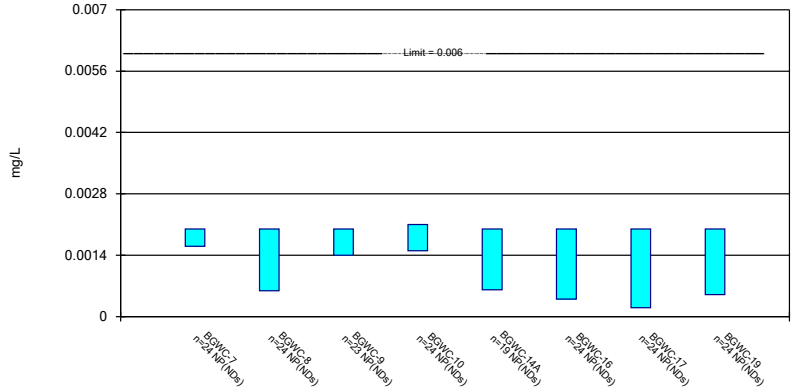
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/28/2025, 2:10 PM

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	26	0.004727	0.0008146	88.46	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	25	0.004645	0.001236	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.005	0.0026	0.05	No	26	0.004438	0.002088	69.23	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.005	0.0034	0.05	No	26	0.005054	0.002772	80.77	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.006302	0.0035	0.05	No	27	0.005796	0.005294	11.11	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.008929	0.00541	0.05	No	26	0.007169	0.003611	7.692	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.00008	0.05	No	16	0.004692	0.00123	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.0013	0.05	No	16	0.004466	0.001475	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.0001	0.05	No	16	0.004694	0.001225	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-35D	0.0078	0.0034	0.05	No	16	0.005075	0.0008291	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01272	0.007945	0.05	No	16	0.01033	0.003667	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.0039	0.05	No	14	0.004907	0.001987	50	None	No	0.01	NP (normality)
Selenium (mg/L)	BGWC-40	0.008978	0.005565	0.05	No	14	0.007271	0.00241	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-43D	0.0055	0.0019	0.05	No	12	0.0041	0.001507	58.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-49D	0.005	0.005	0.05	No	10	0.00465	0.001107	80	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01088	0.004787	0.05	No	12	0.007833	0.003882	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	12	0.003608	0.001498	41.67	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	28	0.0006633	0.0004125	57.14	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	27	0.0008157	0.0003521	77.78	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.0005	0.00009	0.002	No	28	0.0004244	0.0001653	82.14	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.0005389	0.0003253	0.002	No	19	0.0004321	0.0001823	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00025	0.0002	0.002	No	28	0.0002475	0.00007792	7.143	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.0005	0.00009	0.002	No	28	0.0003593	0.0001958	64.29	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.0005	0.00019	0.002	No	28	0.0004425	0.000145	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.0005	0.00021	0.002	No	28	0.0003991	0.0001796	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	28	0.0008904	0.0002736	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008525	0.0006553	0.002	No	28	0.0007539	0.000211	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00038	0.002	No	28	0.0007368	0.0003515	60.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0004939	0.000338	0.002	No	29	0.00055	0.0002533	17.24	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-30	0.0003705	0.0001774	0.002	No	28	0.0004927	0.000207	39.29	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-32	0.0005	0.00014	0.002	No	17	0.0003491	0.0001821	52.94	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-34D	0.0005	0.000089	0.002	No	17	0.0004758	0.00009968	94.12	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.0005	0.00026	0.002	No	17	0.000424	0.0001458	76.47	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.001	0.00018	0.002	No	17	0.0003929	0.0003515	23.53	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-38D	0.0013	0.00018	0.002	No	14	0.0009104	0.0006491	50	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-40	0.0005	0.00014	0.002	No	14	0.0004743	0.00009621	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003154	0.001694	0.002	No	13	0.002462	0.001093	0	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-51	0.0005	0.0004	0.002	No	12	0.0004667	0.00008876	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-52	0.0005	0.00023	0.002	No	12	0.0004067	0.0001196	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-7	0.0004833	0.0002008	0.002	No	6	0.0006633	0.0003757	50	Kaplan-Meier	ln(x)	0.01	Param.

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

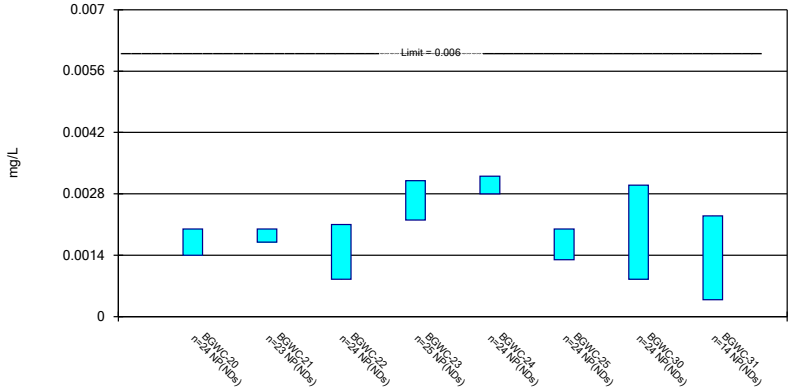


Constituent: Antimony Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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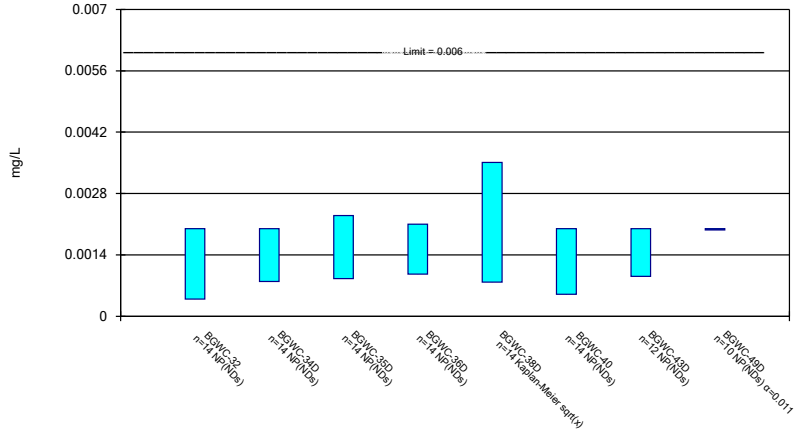


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

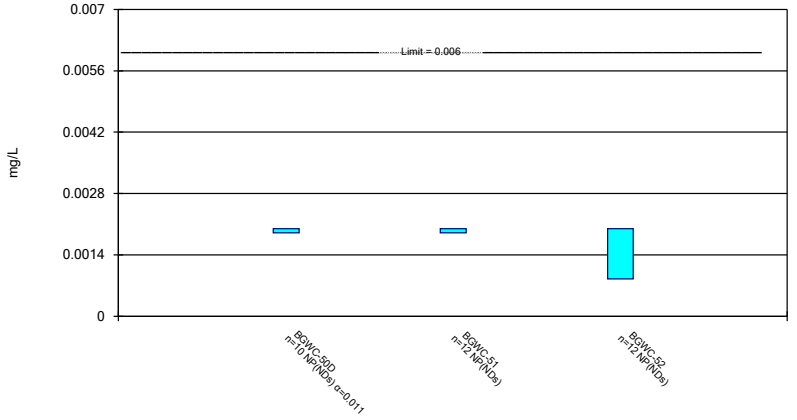


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Non-Parametric Confidence Interval

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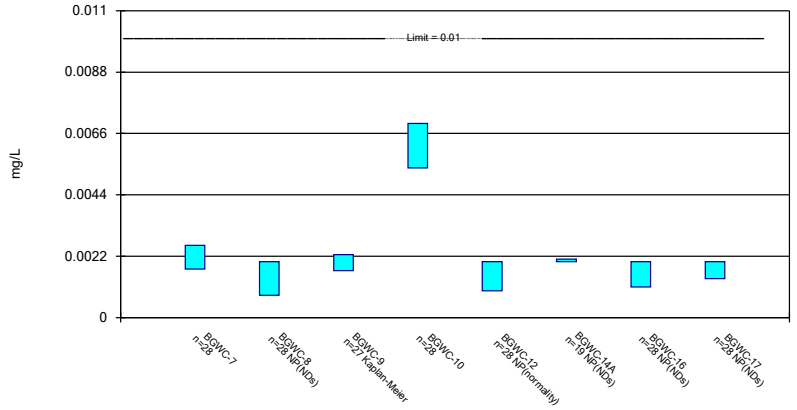


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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

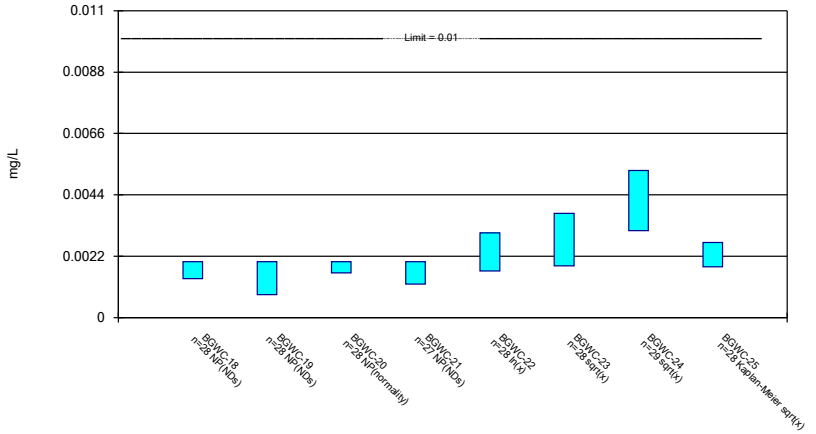


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Parametric and Non-Parametric (NP) Confidence Interval

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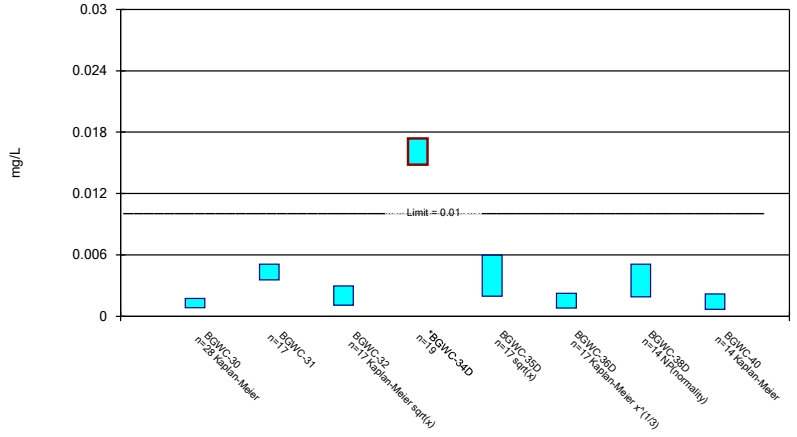


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Parametric and Non-Parametric (NP) Confidence Interval

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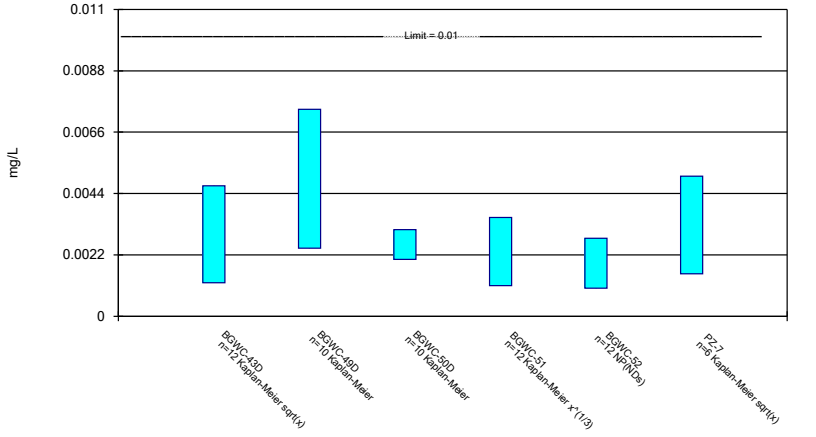


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Parametric and Non-Parametric (NP) Confidence Interval

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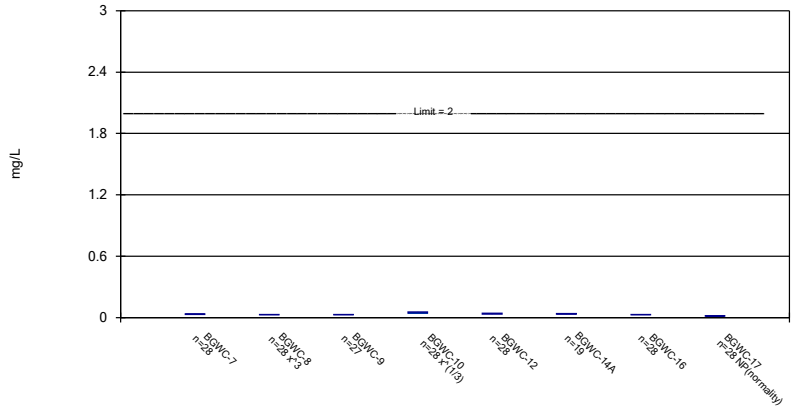


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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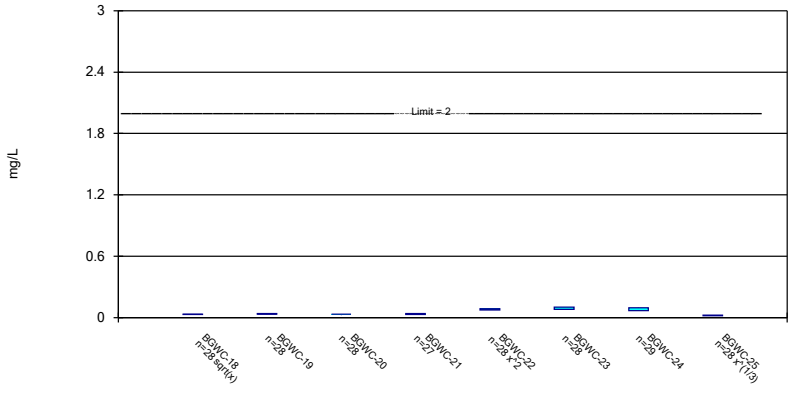


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

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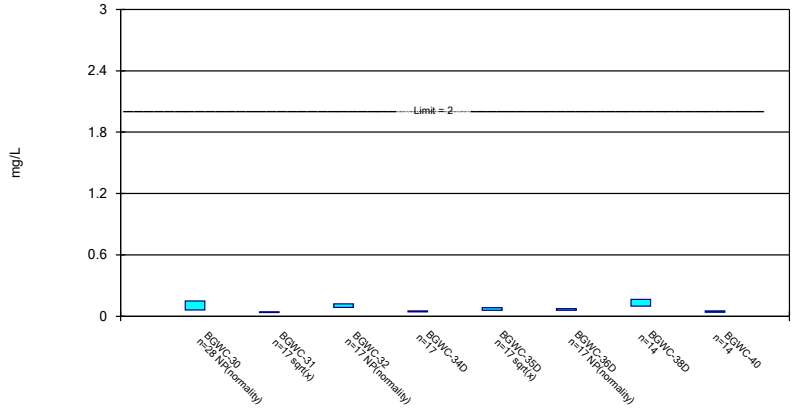


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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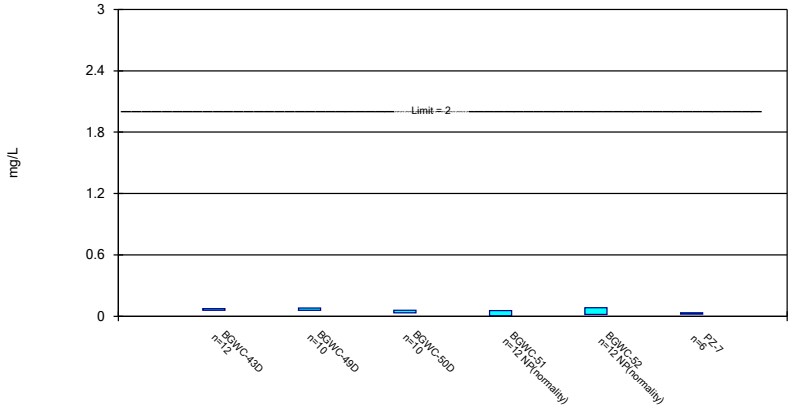


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

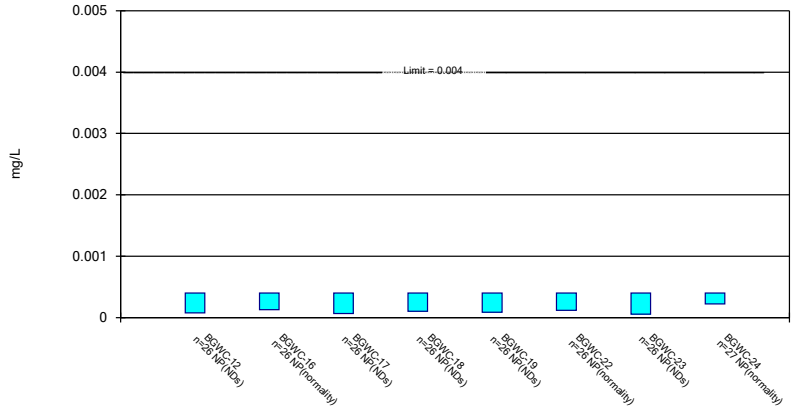


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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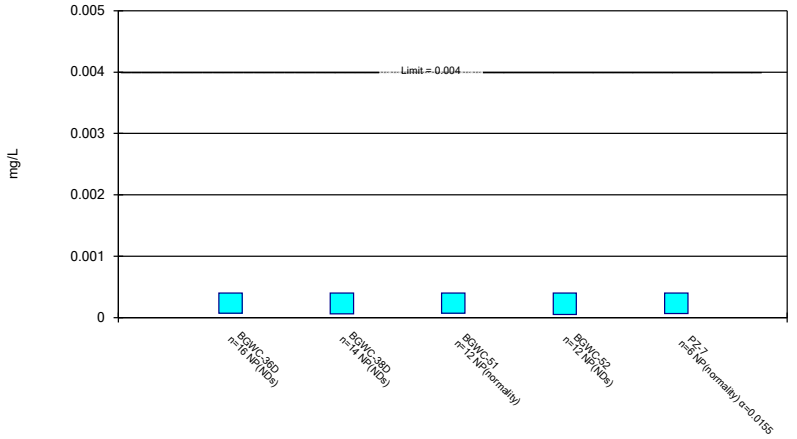


Constituent: Beryllium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

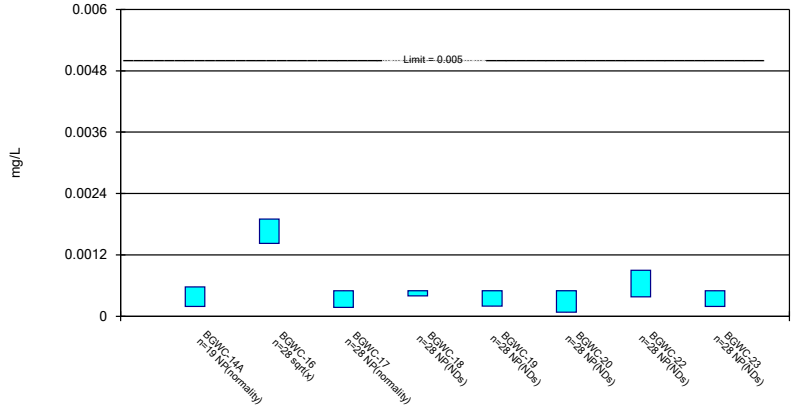


Constituent: Beryllium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

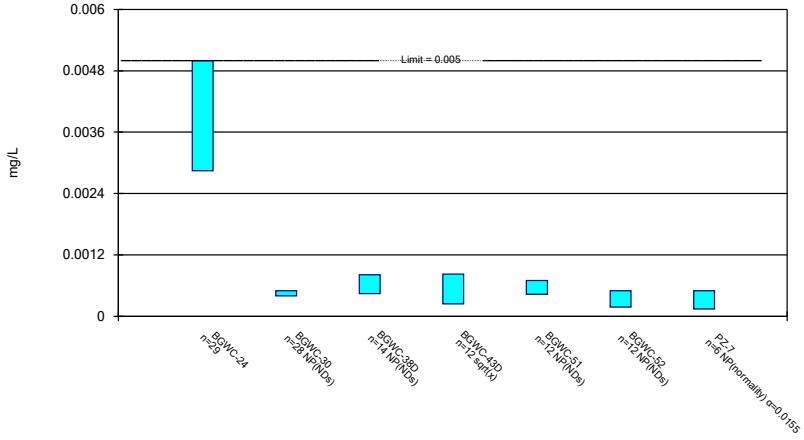


Constituent: Cadmium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

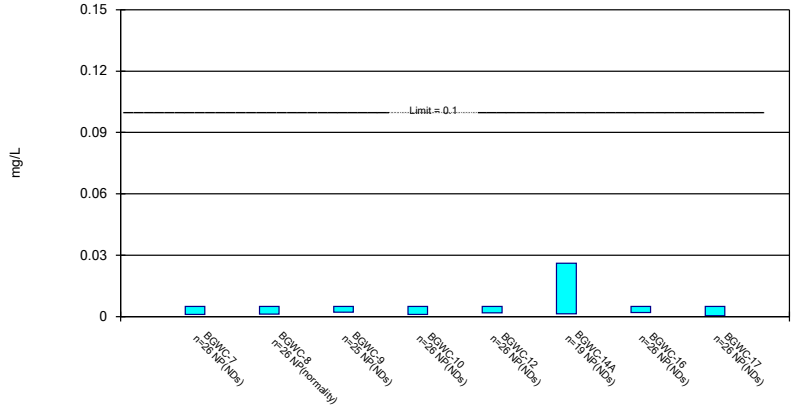


Constituent: Cadmium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

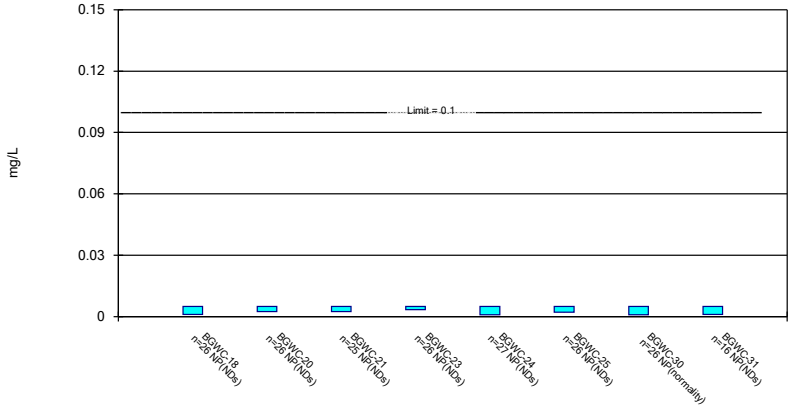


Constituent: Chromium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

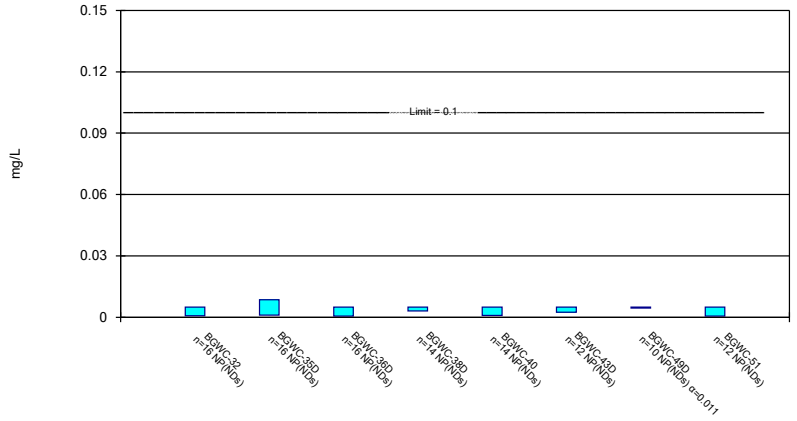


Constituent: Chromium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

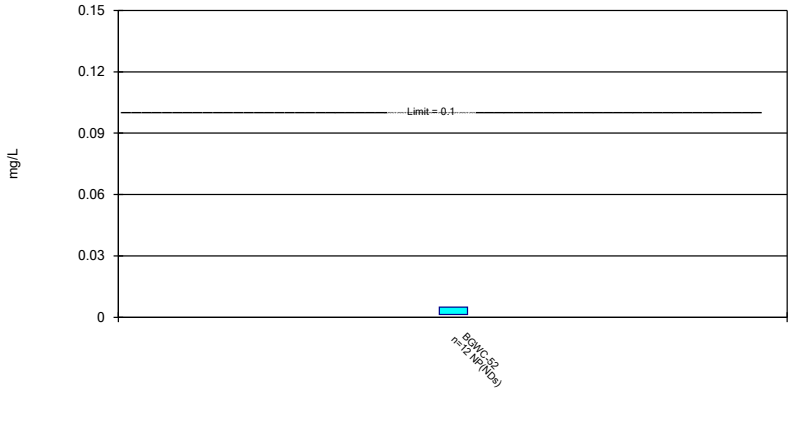


Constituent: Chromium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

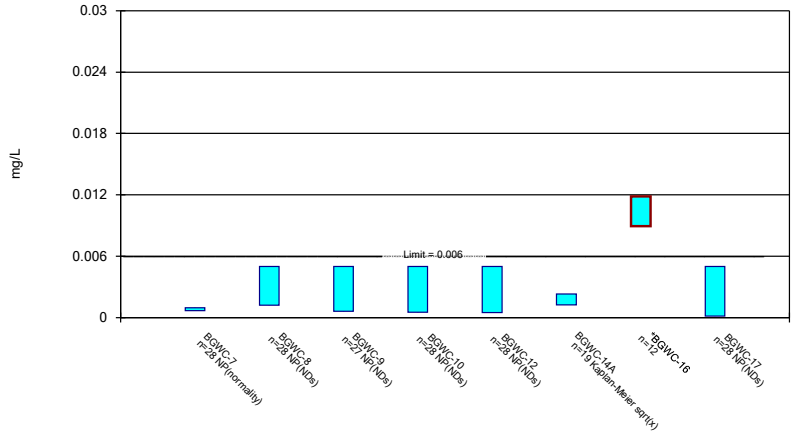


Constituent: Chromium Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

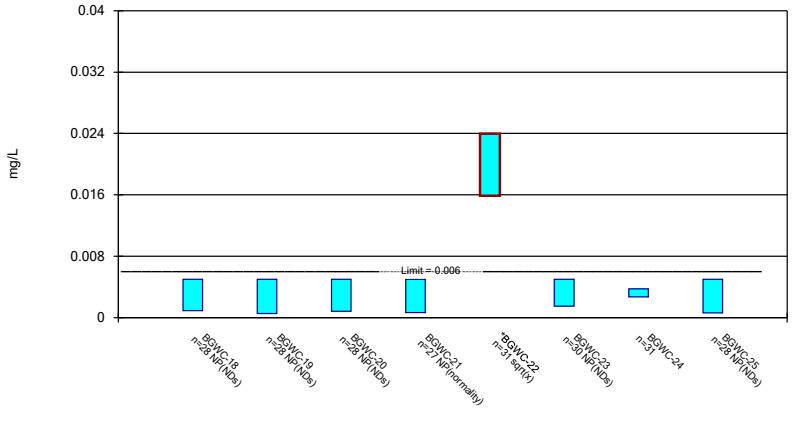


Constituent: Cobalt Analysis Run 10/28/2025 2:07 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

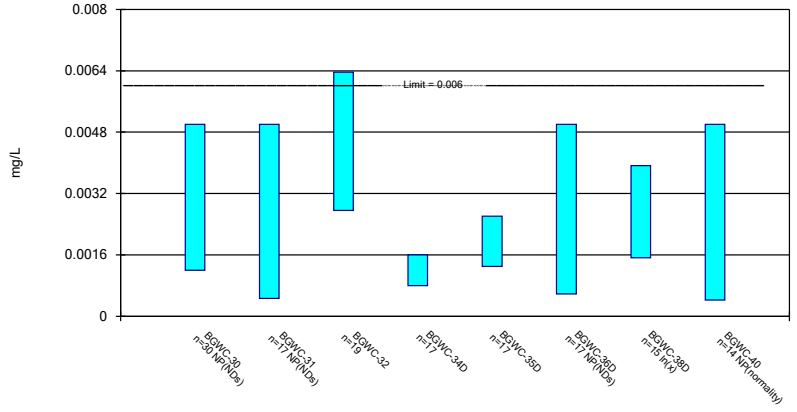


Constituent: Cobalt Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

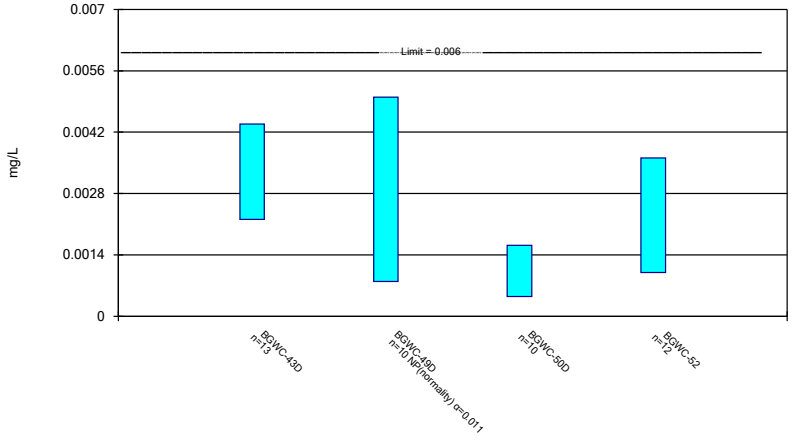


Constituent: Cobalt Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

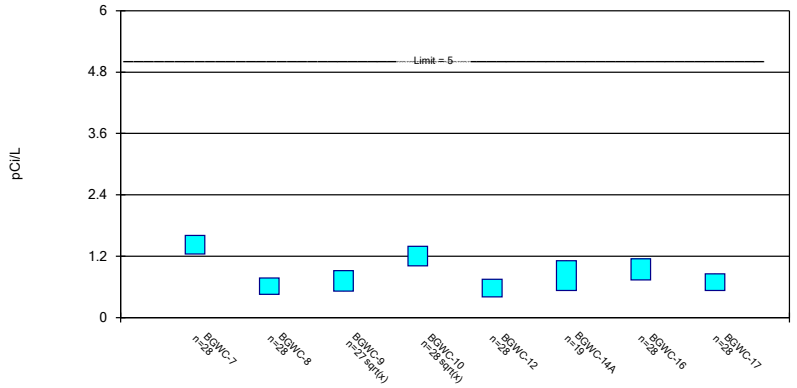


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

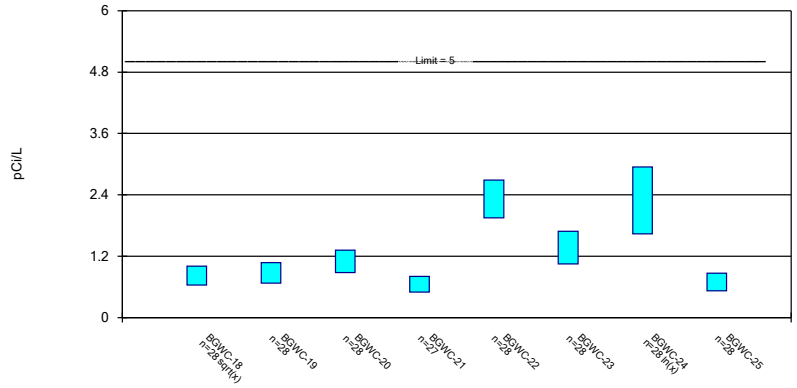


Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confiden
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

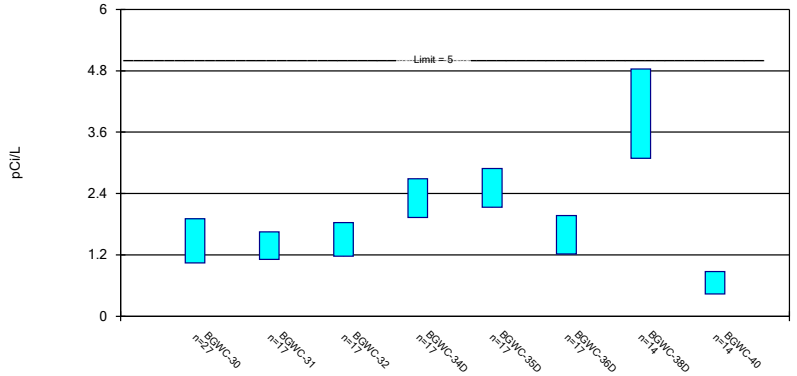


Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confiden
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

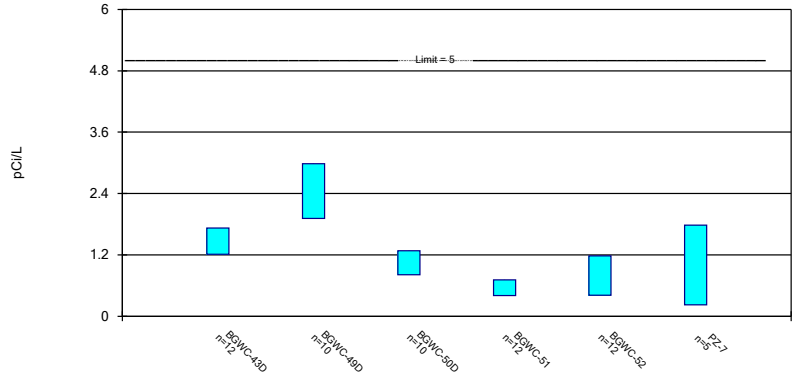


Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confiden
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

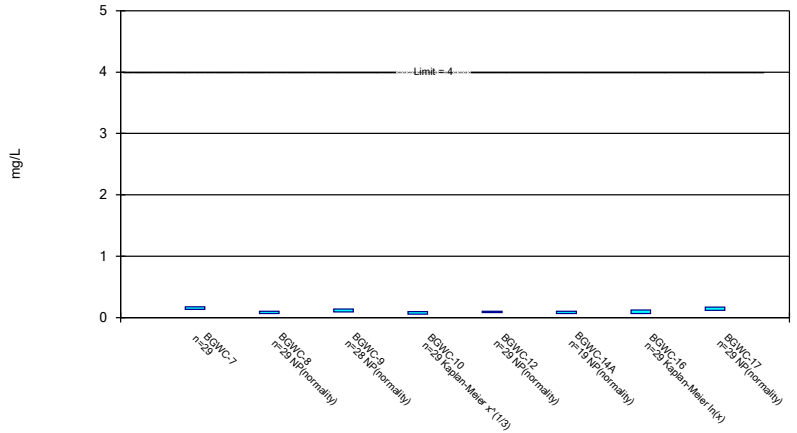


Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confiden
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

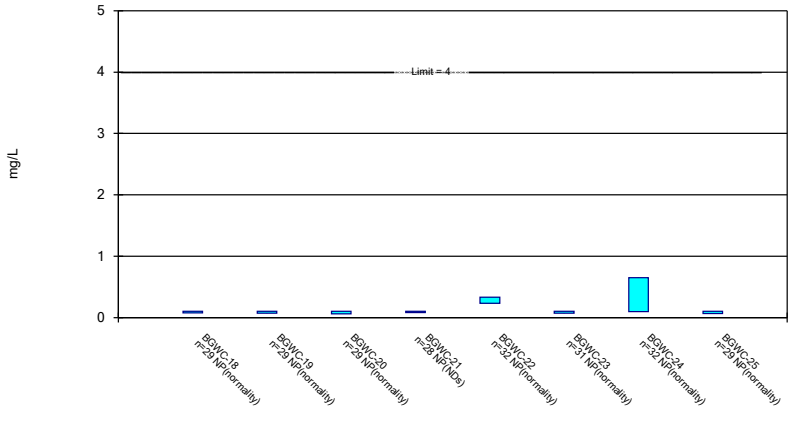


Constituent: Fluoride Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

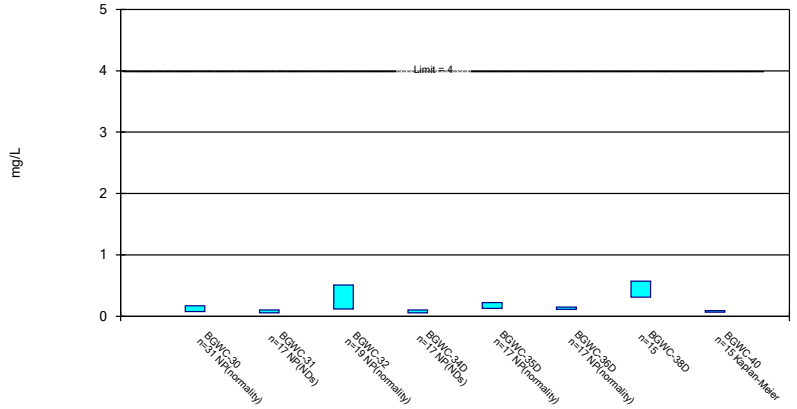


Constituent: Fluoride Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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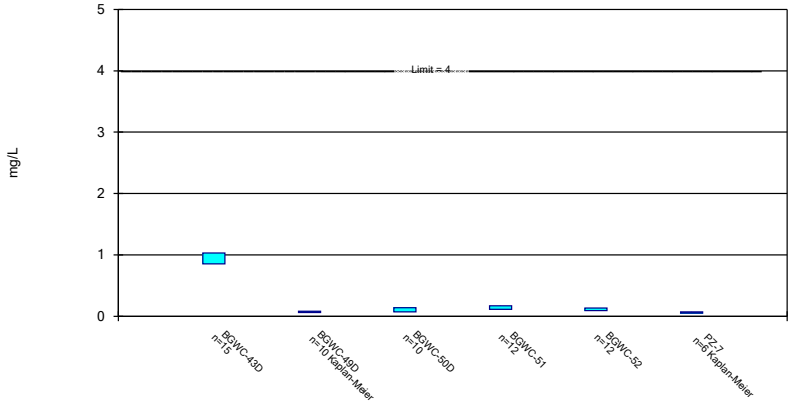


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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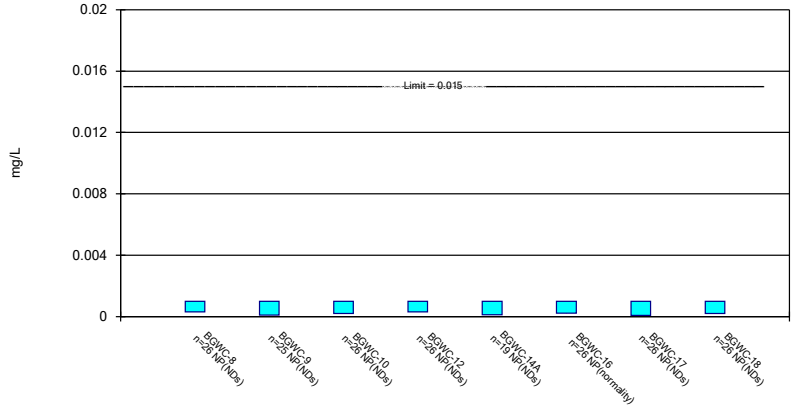


Constituent: Fluoride Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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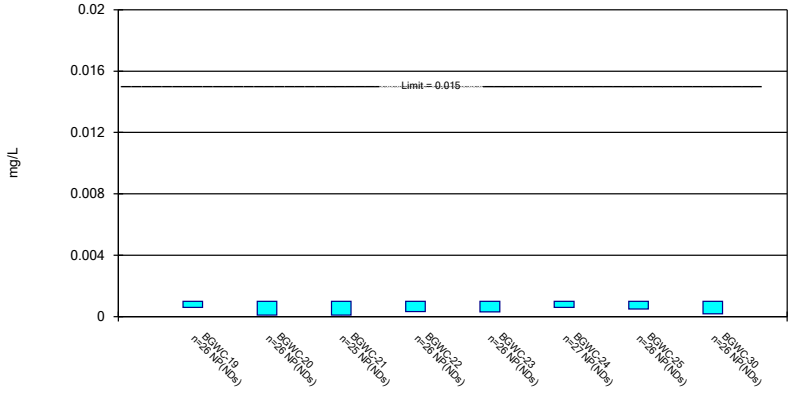


Constituent: Lead Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

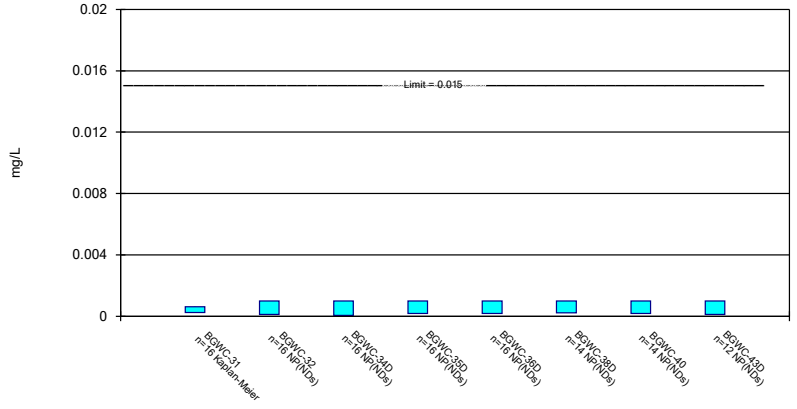


Constituent: Lead Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

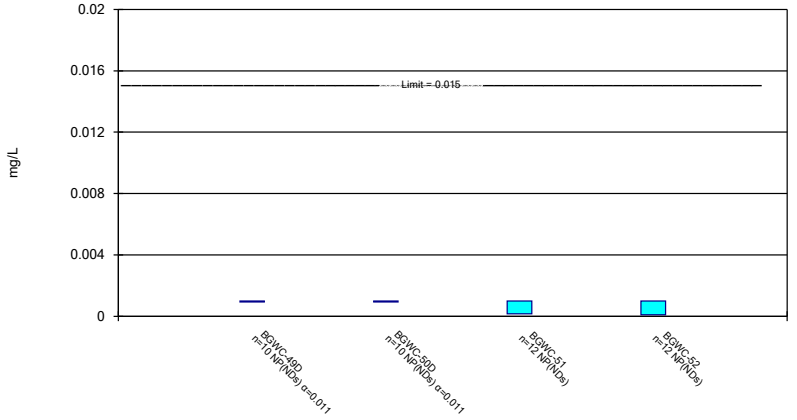


Constituent: Lead Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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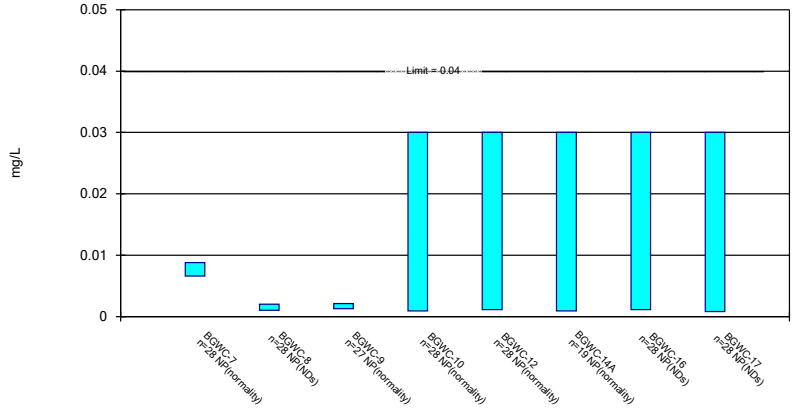


Constituent: Lead Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

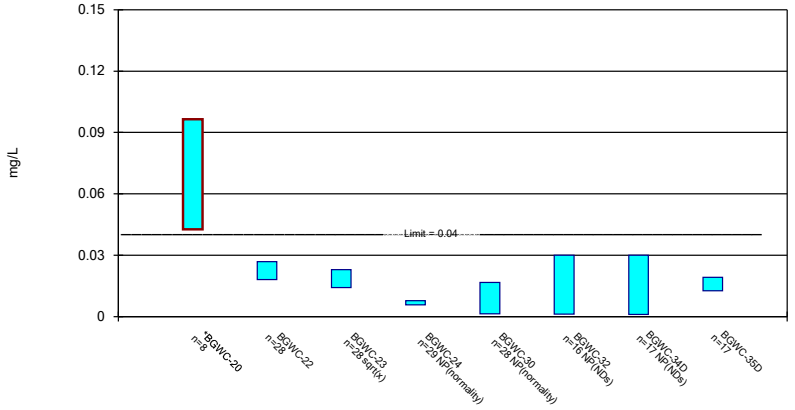


Constituent: Lithium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

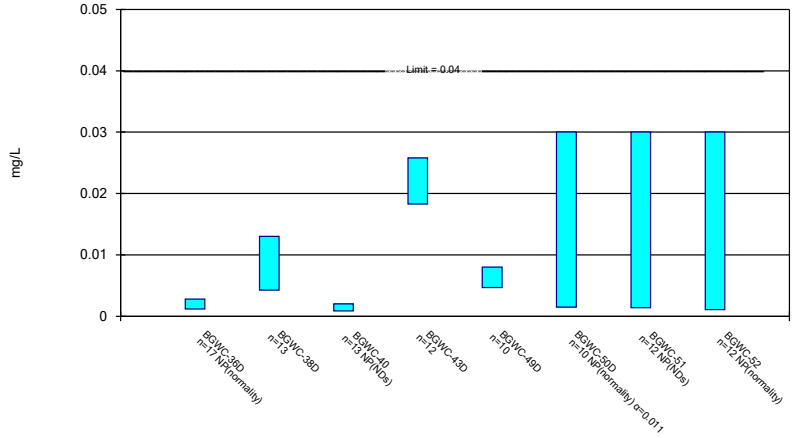


Constituent: Lithium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

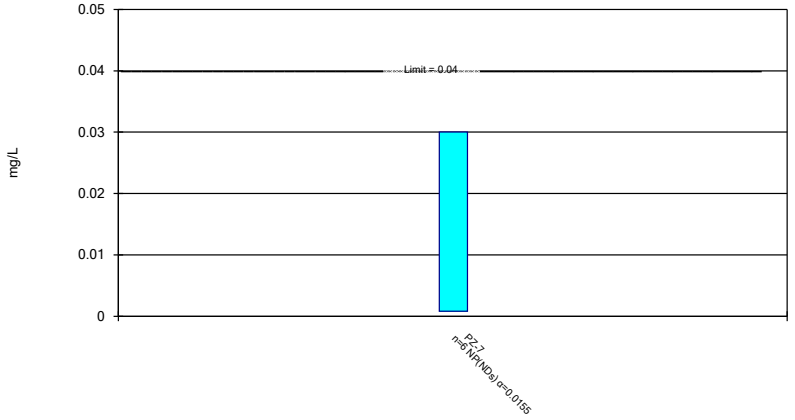


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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

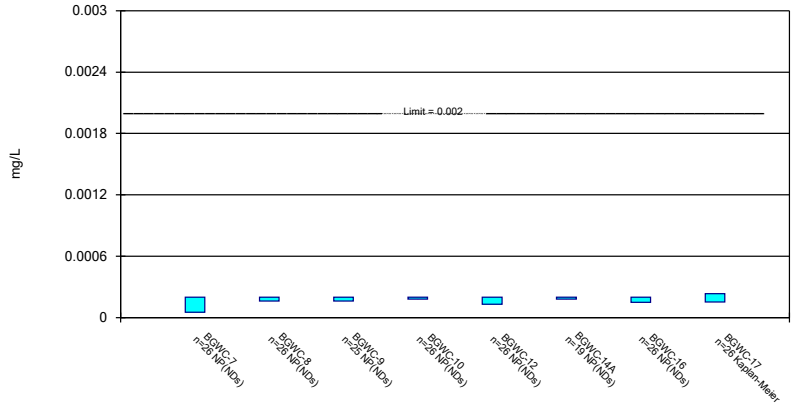


Constituent: Lithium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

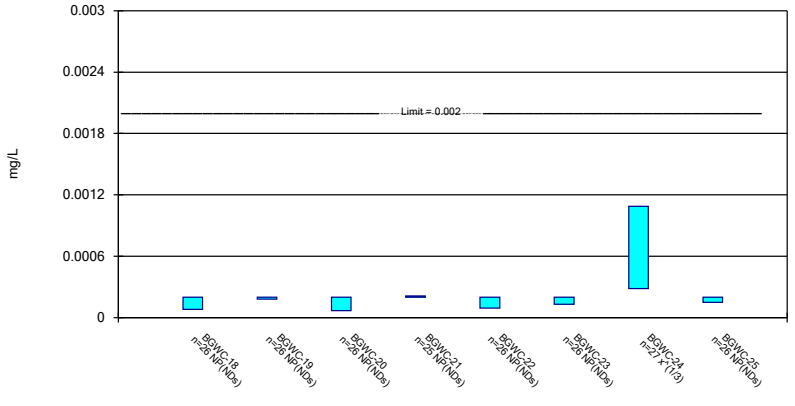


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

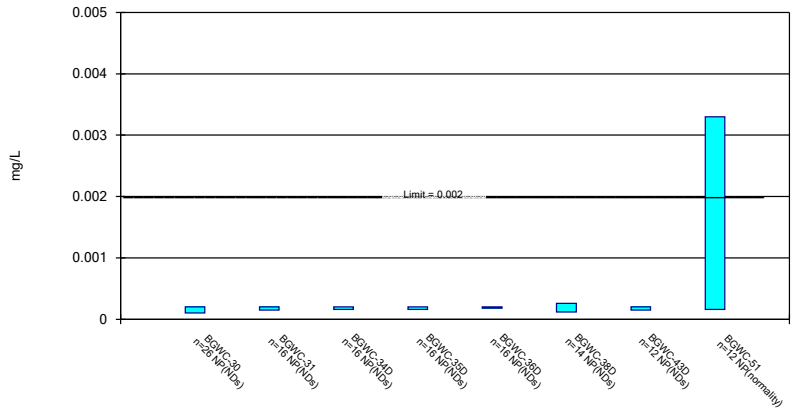


Constituent: Mercury Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

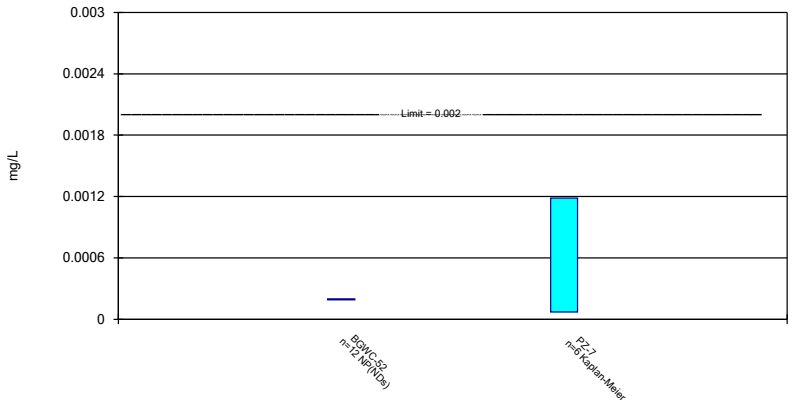


Constituent: Mercury Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

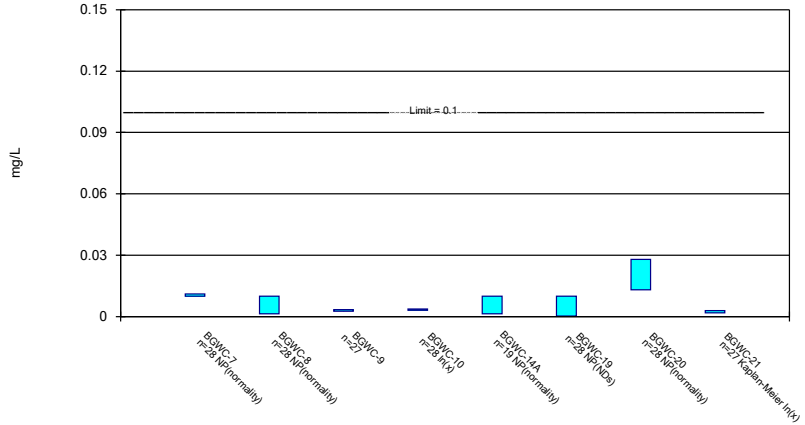


Constituent: Mercury Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

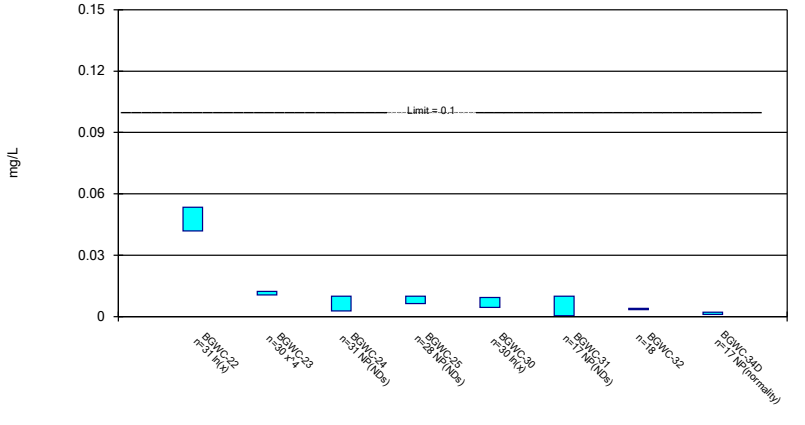


Constituent: Molybdenum Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

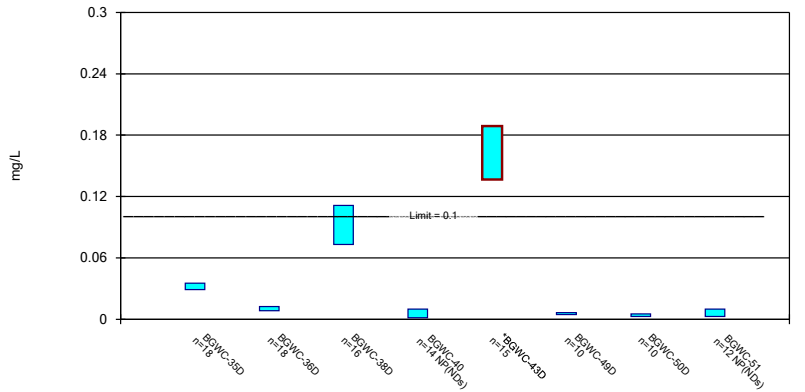


Constituent: Molybdenum Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

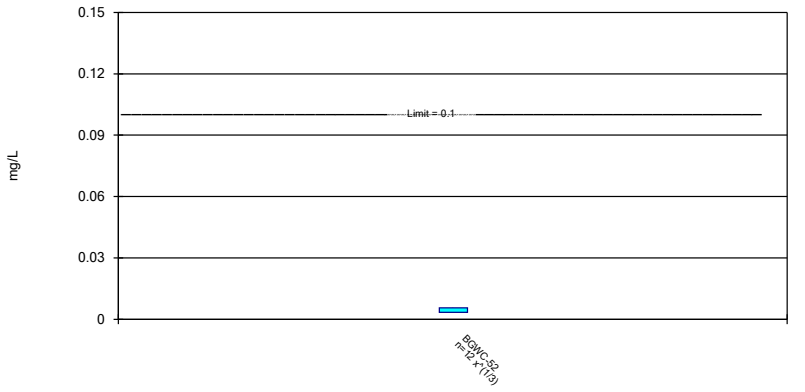


Constituent: Molybdenum Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

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Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

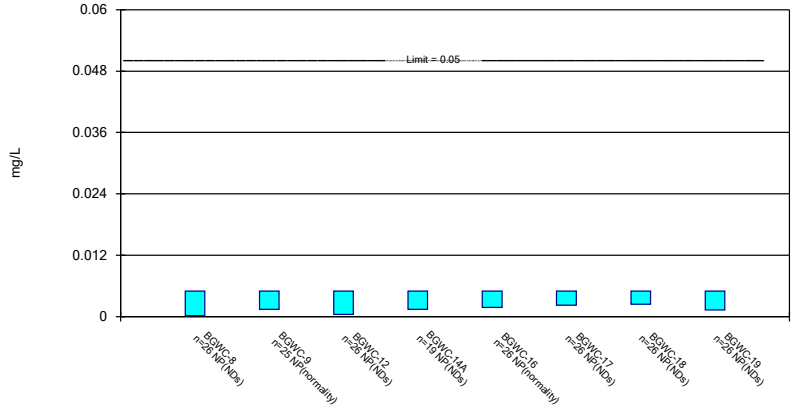


Constituent: Molybdenum Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

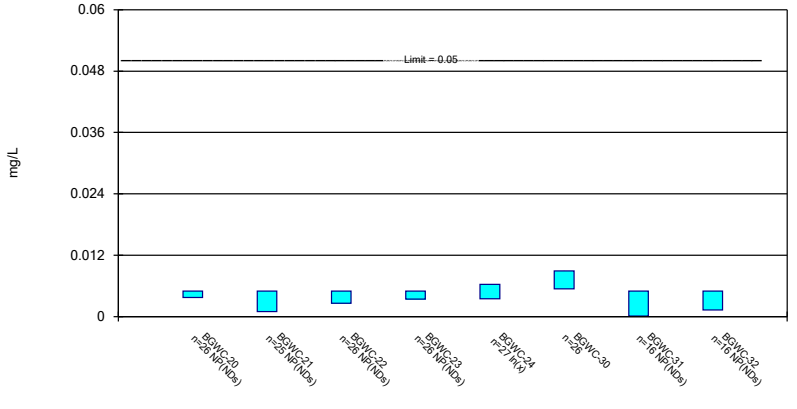


Constituent: Selenium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

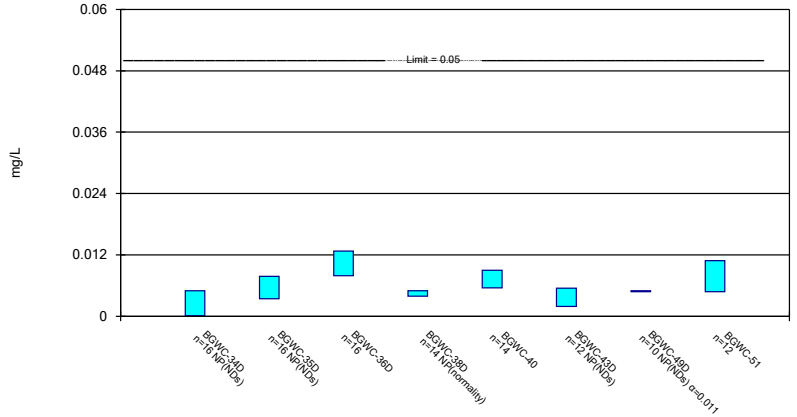


Constituent: Selenium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

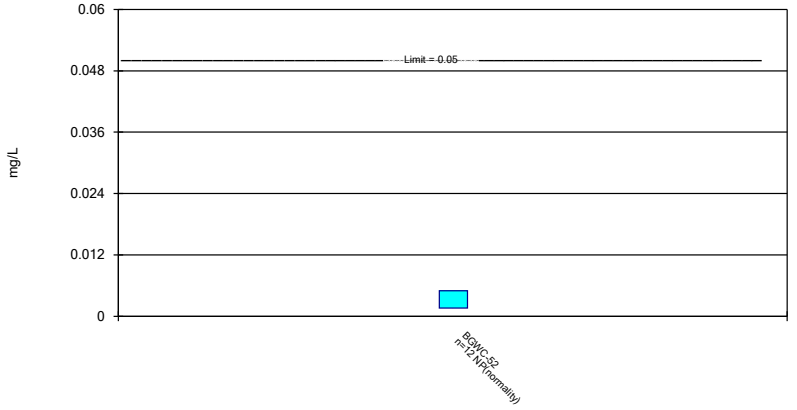


Constituent: Selenium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

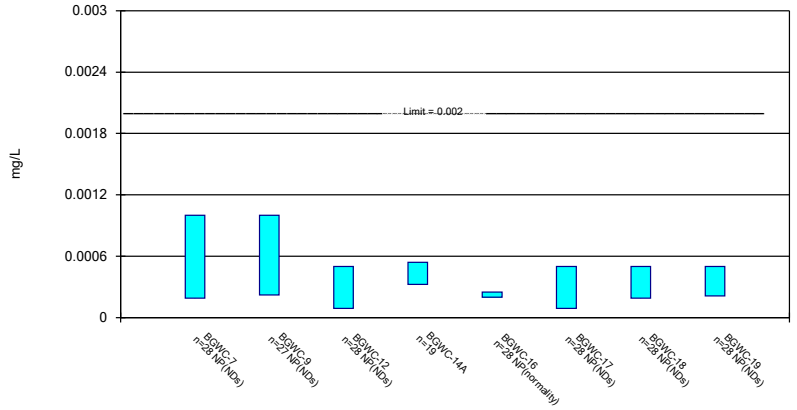


Constituent: Selenium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

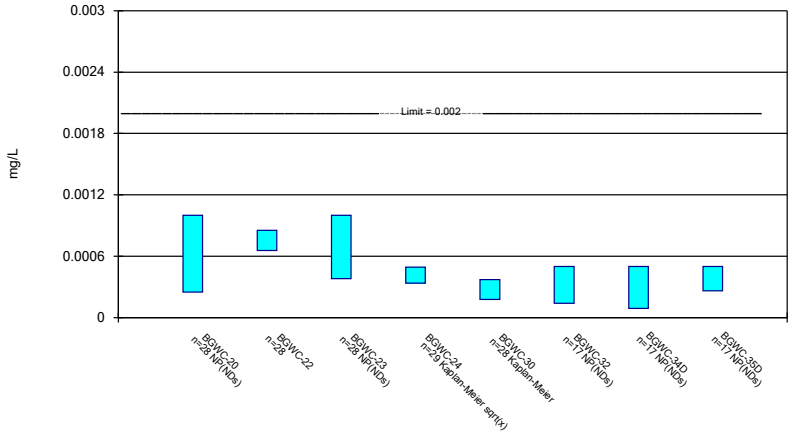


Constituent: Thallium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

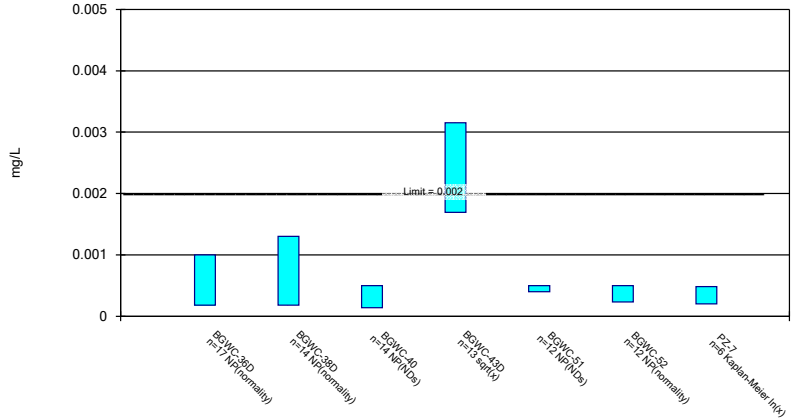


Constituent: Thallium Analysis Run 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

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 10/28/2025 2:08 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19
6/6/2016			<0.002					
6/7/2016		<0.002		0.0022 (J)		<0.002	<0.002	
6/8/2016	<0.002							<0.002
8/10/2016		0.0004 (J)						
8/11/2016	0.0005 (J)		0.0003 (J)			0.0004 (J)	0.0002 (J)	
8/12/2016								<0.002
8/16/2016				<0.002				
10/4/2016		<0.002						
10/5/2016			<0.002					
10/6/2016	0.0015 (J)							
10/7/2016				<0.002		<0.002	<0.002	<0.002
12/2/2016		<0.002						
12/5/2016			<0.002					
12/6/2016	<0.002			<0.002		<0.002	<0.002	
12/7/2016								<0.002
2/14/2017		<0.002						
2/15/2017	<0.002		<0.002					
2/16/2017				<0.002		<0.002	<0.002	<0.002
4/14/2017		<0.002						
4/17/2017			<0.002					
4/18/2017	0.0003 (J)			<0.002		<0.002		
4/19/2017							<0.002	<0.002
5/26/2017		<0.002	<0.002					
5/30/2017						<0.002	<0.002	
6/1/2017								<0.002
6/2/2017	<0.002			<0.002				
7/10/2017		<0.002						
7/11/2017			<0.002					
7/12/2017				<0.002				
7/14/2017	<0.002					<0.002	<0.002	<0.002
3/26/2018		<0.002						
3/27/2018	<0.002		<0.002	<0.002		<0.002	<0.002	<0.002
2/25/2019		<0.002				<0.002		
2/27/2019							<0.002	
2/28/2019	<0.002			<0.002				
3/1/2019								<0.002
2/19/2020		<0.002						
2/20/2020			<0.002	<0.002		<0.002		
2/21/2020	0.0016 (J)							
2/24/2020							<0.002	<0.002
3/18/2020		<0.002						
3/19/2020	<0.002		<0.002			<0.002	<0.002	
3/20/2020								<0.002
3/23/2020				<0.002				
5/22/2020					<0.002			
6/23/2020					<0.002			
7/28/2020					<0.002			
9/2/2020					<0.002			
9/23/2020		<0.002						
9/24/2020			<0.002	<0.002		<0.002	<0.002	
9/25/2020	<0.002							
9/28/2020								0.0005 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19
10/1/2020					0.0003 (J)			
11/10/2020					0.00061 (J)			
12/15/2020					<0.002			
1/20/2021					<0.002			
2/16/2021		0.00046 (J)						
2/17/2021			0.00075 (J)					
2/18/2021	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002
3/24/2021		0.00059 (J)	0.00038 (J)		<0.002	<0.002	<0.002	
3/26/2021								<0.002
3/30/2021	<0.002			<0.002				
8/18/2021		<0.002	0.0014 (J)	<0.002	<0.002	<0.002		
8/19/2021	<0.002						<0.002	
8/20/2021								<0.002
2/9/2022					<0.002			
2/10/2022		<0.002	<0.002					
2/11/2022	<0.002			0.0021 (J)		<0.002	<0.002	
2/16/2022								<0.002
7/26/2022		<0.002	<0.002		<0.002			
7/27/2022						<0.002	<0.002	<0.002
7/28/2022	<0.002			0.0015 (J)				
1/26/2023	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	
1/27/2023				<0.002				<0.002
8/16/2023		<0.002			<0.002			
8/17/2023	<0.002		<0.002	<0.002		<0.002	<0.002	
8/18/2023								<0.002
2/1/2024		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
2/2/2024	<0.002							<0.002
8/16/2024	<0.002	<0.002			<0.002			
8/19/2024			<0.002			<0.002	<0.002	<0.002
8/20/2024				<0.002				
2/5/2025		<0.002	<0.002		<0.002			
2/6/2025	<0.002			<0.002		<0.002		
2/7/2025							<0.002	<0.002
7/31/2025		<0.002						
8/4/2025			<0.002		<0.002			
8/5/2025	<0.002			<0.002		<0.002	<0.002	
8/6/2025								<0.002
Mean	0.001829	0.00181	0.001775	0.001992	0.001837	0.001933	0.001925	0.001938
Std. Dev.	0.0004592	0.0005132	0.0005341	0.0001139	0.0004899	0.0003266	0.0003674	0.0003062
Upper Lim.	0.002	0.002	0.002	0.0021	0.002	0.002	0.002	0.002
Lower Lim.	0.0016	0.00059	0.0014	0.0015	0.00061	0.0004	0.0002	0.0005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
6/8/2016	<0.002	<0.002	<0.002			<0.002		
6/9/2016				<0.003	<0.003			
8/12/2016	<0.002							
8/15/2016						0.0013 (J)		
8/18/2016		<0.002	0.0023 (J)	0.0009 (J)	<0.003			
10/10/2016	<0.002	<0.002	0.0021 (J)	<0.003	<0.003	<0.002		
12/7/2016	<0.002			<0.003	<0.003			
12/8/2016		<0.002	<0.002			<0.002		
1/23/2017							<0.003	
2/7/2017							<0.003	
2/17/2017	<0.002	<0.002	<0.002					
2/20/2017				<0.003	<0.003	<0.002		
3/27/2017							<0.003	
4/17/2017							<0.003	
4/19/2017	<0.002	<0.002		<0.003	<0.003			
4/20/2017			<0.002			<0.002		
5/22/2017							<0.003	
6/1/2017	<0.002	<0.002				<0.002		
6/5/2017			<0.002	<0.003	<0.003		<0.003	
7/11/2017							<0.003	
7/17/2017				<0.003	<0.003	<0.002		
7/18/2017	<0.002	<0.002						
7/19/2017			<0.002					
8/23/2017							<0.003	
3/26/2018							<0.003	
3/28/2018	<0.002	<0.002				<0.002		
3/29/2018			<0.002	<0.003	<0.003			
2/27/2019	<0.002							
3/1/2019			<0.002	<0.003	<0.003	<0.002	<0.003	
2/24/2020	<0.002							
2/25/2020			<0.002	<0.003				
2/26/2020		<0.002			<0.003	<0.002	<0.003	<0.002
3/20/2020		<0.002	<0.002					
3/23/2020	0.0014 (J)			0.00053 (J)			<0.003	<0.002
3/24/2020						<0.002		
3/25/2020					<0.003			
9/24/2020		<0.002	<0.002	<0.003				
9/25/2020					0.00048 (J)		<0.003	
9/28/2020	0.0005 (J)					<0.002		0.00038 (J)
2/18/2021	<0.002							
2/19/2021		<0.002	0.00028 (J)	0.00031 (J)	0.00036 (J)			
2/22/2021								<0.002
2/23/2021						<0.002		
3/8/2021							<0.003	
3/25/2021							<0.003	
3/26/2021				<0.003	<0.003	<0.002		
3/29/2021	<0.002	<0.002	<0.002					<0.002
8/19/2021						<0.002	<0.003	
8/20/2021	<0.002	0.0014 (J)						<0.002
8/23/2021			<0.002	0.0029 (J)	0.0028 (J)			
2/14/2022				0.0014 (J)			<0.003	
2/15/2022			<0.002		0.0048			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
2/16/2022	<0.002	0.0017 (J)				<0.002		<0.002
7/27/2022	<0.002					<0.002		
7/28/2022		<0.002						<0.002
8/1/2022				0.0022 (J)			<0.003	
8/2/2022			<0.002		0.015 (O)			
10/21/2022					0.0032			
1/27/2023		<0.002				<0.002		<0.002
1/30/2023	<0.002							
2/1/2023					<0.003		<0.003	
2/2/2023				0.007				
2/7/2023			<0.002					
5/10/2023				0.0032				
8/17/2023						<0.002		
8/18/2023	<0.002							<0.002
8/21/2023							<0.003	
8/22/2023			<0.002					
8/23/2023		<0.002		<0.003				
8/25/2023					0.0021 (J)			
1/30/2024					<0.003			
2/2/2024								0.0023 (J)
2/5/2024	<0.002	<0.002				0.00058 (J)		
2/6/2024							<0.003	
2/8/2024			<0.002	0.00089 (J)				
8/19/2024								<0.002
8/20/2024	<0.002					<0.002		
8/21/2024			<0.002		0.009			
8/22/2024		<0.002		0.0029 (J)			0.00085 (J)	
2/6/2025	<0.002							<0.002
2/10/2025		<0.002				<0.002	<0.003	
2/11/2025				0.0031	0.0032			
2/13/2025			0.00085 (J)					
8/5/2025							0.00051 (J)	
8/7/2025	<0.002		<0.002			<0.002		
8/8/2025								<0.002
8/11/2025		<0.002		0.0034	0.009			
Mean	0.001913	0.001961	0.001897	0.002709	0.003331	0.001912	0.002807	0.001906
Std. Dev.	0.0003248	0.0001373	0.0004236	0.001283	0.001943	0.0003175	0.0006569	0.0004463
Upper Lim.	0.002	0.002	0.0021	0.0031	0.0032	0.002	0.003	0.0023
Lower Lim.	0.0014	0.0017	0.00085	0.0022	0.0028	0.0013	0.00085	0.00038

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D
2/25/2020			<0.002					
2/26/2020				<0.002				
2/27/2020	<0.002	<0.002			0.0003 (J)			
2/28/2020						<0.002		
3/23/2020				<0.002				
3/24/2020	<0.002	<0.002			<0.003			
3/25/2020			<0.002			<0.002		
9/2/2020					0.0016 (J)			
9/3/2020							0.00091 (J)	
9/25/2020	0.00039 (J)		0.00064 (J)					
9/28/2020		0.00049 (J)		<0.002				
9/29/2020						<0.002		
2/19/2021		<0.002						
2/22/2021			0.00066 (J)			<0.002		
2/23/2021	0.00036 (J)							
3/8/2021				0.00096 (J)			0.00058 (J)	
3/9/2021					0.00062 (J)			
3/25/2021				<0.002				
3/26/2021			<0.002					
3/29/2021					<0.003		<0.002	
3/30/2021	<0.002	0.00079 (J)				0.0005 (J)		
4/19/2021								0.00039 (J)
8/19/2021					0.01			
8/20/2021			<0.002					
8/23/2021				<0.002			<0.002	
8/24/2021		<0.002				<0.002		<0.002
8/25/2021	<0.002							
2/14/2022				<0.002	0.0067			
2/15/2022							<0.002	
2/16/2022	<0.002	<0.002				<0.002		
2/17/2022			<0.002					<0.002
7/28/2022		<0.002	<0.002			<0.002		
7/29/2022	<0.002			<0.002				
8/1/2022							<0.002	<0.002
8/2/2022					0.0015 (J)			
1/30/2023		<0.002	<0.002					
1/31/2023	<0.002					<0.002		
2/1/2023				<0.002				<0.002
2/7/2023					0.00082 (J)		<0.002	
8/18/2023	<0.002	<0.002				<0.002		
8/21/2023				<0.002	<0.003			
8/22/2023								<0.002
8/23/2023							<0.002	
8/24/2023			<0.002					
1/30/2024				0.0021 (J)			0.0015 (J)	
2/5/2024		<0.002						
2/6/2024					0.0026 (J)			<0.002
2/7/2024			0.0023 (J)			<0.002		
2/8/2024	<0.002							
8/20/2024		<0.002		<0.002		<0.002		
8/21/2024	<0.002						<0.002	<0.002
8/22/2024			0.0013 (J)		0.0013 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D
2/5/2025				<0.002				
2/6/2025		<0.002						
2/10/2025						<0.002		<0.002
2/11/2025			0.00086 (J)		0.001 (J)		<0.002	
2/12/2025	<0.002							
8/6/2025					0.0028			<0.002
8/7/2025		<0.002		<0.002			<0.002	
8/8/2025						<0.002		
8/11/2025			<0.002					
8/12/2025	<0.002							
Mean	0.001768	0.001806	0.001697	0.001933	0.002731	0.001893	0.001749	0.001839
Std. Dev.	0.0005901	0.0004974	0.0005711	0.0002813	0.002641	0.0004009	0.0004954	0.0005091
Upper Lim.	0.002	0.002	0.0023	0.0021	0.003508	0.002	0.002	0.002
Lower Lim.	0.00039	0.00079	0.00086	0.00096	0.0007799	0.0005	0.00091	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-50D	BGWC-51	BGWC-52
1/28/2021		<0.002	0.0019 (J)
2/23/2021		<0.002	0.00053 (J)
3/30/2021		0.0019 (J)	0.00085 (J)
4/19/2021	0.0019 (J)		
8/18/2021	<0.002		
8/23/2021		<0.002	<0.002
2/9/2022	<0.002		
2/14/2022		<0.002	<0.002
7/26/2022	<0.002		
7/28/2022			<0.002
8/1/2022		<0.002	
1/25/2023	0.0017 (J)		
1/31/2023		<0.002	<0.002
8/15/2023	<0.002		
8/21/2023		<0.002	
8/22/2023			<0.002
1/31/2024	<0.002		
2/5/2024		<0.002	<0.002
8/16/2024	<0.002		
8/20/2024		<0.002	<0.002
2/5/2025	<0.002		
2/6/2025		<0.002	
2/7/2025			<0.002
7/31/2025	<0.002		
8/11/2025			<0.002
8/13/2025		<0.002	
Mean	0.00196	0.001992	0.001773
Std. Dev.	9.661E-05	2.887E-05	0.0005114
Upper Lim.	0.002	0.002	0.002
Lower Lim.	0.0019	0.0019	0.00085

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.0022					
6/7/2016		0.00018 (J)		0.0039	<0.002		<0.002	<0.002
6/8/2016	0.0024							
8/10/2016		<0.002						
8/11/2016	0.0024 (J)		0.0028 (J)				<0.002	<0.002
8/12/2016					0.0009 (J)			
8/16/2016				0.0091				
10/4/2016		<0.002						
10/5/2016			0.002 (J)					
10/6/2016	<0.002				<0.002			
10/7/2016				0.0074			<0.002	<0.002
12/2/2016		<0.002						
12/5/2016			<0.002		<0.002			
12/6/2016	<0.002			0.0044 (J)			<0.002	<0.002
2/14/2017		<0.002						
2/15/2017	0.003 (J)		0.0033 (J)		<0.002			
2/16/2017				0.0081			<0.002	<0.002
4/14/2017		0.0007 (J)						
4/17/2017			0.0028 (J)					
4/18/2017	0.0029 (J)			0.0084	0.0009 (J)		0.0007 (J)	
4/19/2017								0.0012 (J)
5/26/2017		0.0008 (J)	0.0035 (J)					
5/30/2017							0.0008 (J)	0.0006 (J)
6/2/2017	0.0031 (J)			0.008	0.0015 (J)			
7/10/2017		0.0011 (J)						
7/11/2017			0.0033 (J)					
7/12/2017				0.0063				
7/13/2017					0.0006 (J)			
7/14/2017	0.0017 (J)						0.0008 (J)	<0.002
3/26/2018		0.0009 (J)						
3/27/2018	0.0028 (J)		0.0021 (J)	0.0064			0.0014 (J)	0.00076 (J)
3/28/2018					0.0015 (J)			
6/12/2018		0.00065 (J)	0.0015 (J)				0.00073 (J)	
6/13/2018	0.0023 (J)							
6/14/2018				0.0075	0.00096 (J)			<0.002
10/16/2018		0.00064 (J)						
10/17/2018			0.0035 (J)		<0.002			<0.002
10/18/2018	0.0015 (J)			0.0056			<0.002	
2/25/2019		<0.002					<0.002	
2/27/2019								0.001 (J)
2/28/2019	0.0011 (J)			0.0058	<0.002			
4/1/2019		0.00041 (J)	0.0026 (J)		0.00028 (J)			
4/2/2019	0.0016 (J)			0.0057			0.0003 (J)	0.00024 (J)
9/24/2019	0.0031 (J)	0.00047 (J)	0.0033 (J)					
9/25/2019				0.0058	0.00085 (J)			
9/26/2019							0.00074 (J)	0.0008 (J)
2/19/2020		0.0011 (J)						
2/20/2020			0.0019 (J)	0.0067			0.00042 (J)	
2/21/2020	0.0018 (J)							
2/24/2020					0.00039 (J)			<0.002
3/18/2020		0.00042 (J)						
3/19/2020	0.0018 (J)		0.0014 (J)		0.00036 (J)		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
3/23/2020				0.0049 (J)				
5/22/2020						0.001 (J)		
6/23/2020						<0.002		
7/28/2020						0.0011 (J)		
9/2/2020						<0.002		
9/23/2020		<0.002						
9/24/2020			0.0021 (J)	0.006			<0.002	<0.002
9/25/2020	0.0025 (J)				<0.002			
10/1/2020						<0.002		
11/10/2020						<0.002		
12/15/2020						<0.002		
1/20/2021						<0.002		
2/16/2021		<0.002						
2/17/2021			0.0019 (J)					
2/18/2021	0.0026 (J)			0.0054		<0.002	<0.002	<0.002
2/19/2021					0.0011 (J)			
3/24/2021		0.0012 (J)	0.0025 (J)		0.002 (J)	0.002 (J)	0.0013 (J)	0.0017 (J)
3/30/2021	0.0017 (J)			0.0053				
8/18/2021		0.0014 (J)	0.0025 (J)	0.0083	0.0039 (J)	0.0034 (J)	<0.002	
8/19/2021	0.0045 (J)							0.0014 (J)
2/9/2022						<0.002		
2/10/2022		<0.002	0.0018 (J)					
2/11/2022	0.0022 (J)			0.0094	<0.002		<0.002	<0.002
7/26/2022		<0.002	<0.002			<0.002		
7/27/2022					0.0028 (J)		<0.002	<0.002
7/28/2022	0.0024 (J)			0.005				
1/26/2023	0.0025 (J)	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
1/27/2023				<0.005				
8/16/2023		<0.002			<0.002	<0.002		
8/17/2023	0.0041 (J)		<0.002	0.0062			<0.002	<0.002
2/1/2024		<0.002	0.0012 (J)	0.006	<0.002	<0.002	0.0011 (J)	<0.002
2/2/2024	0.0015 (J)							
8/16/2024	0.0011 (J)	<0.002				0.0021 (J)		
8/19/2024			0.0024 (J)		0.0028 (J)		0.0031 (J)	0.0013 (J)
8/20/2024				0.0071				
2/5/2025		<0.002	<0.002		<0.002	<0.002		
2/6/2025	<0.002			0.004 (J)			<0.002	
2/7/2025								<0.002
7/31/2025		<0.002						
8/4/2025			<0.002		<0.002	<0.002		
8/5/2025	<0.002			0.0034			<0.002	<0.002
Mean	0.002164	0.001428	0.002319	0.006164	0.001673	0.001979	0.001621	0.001679
Std. Dev.	0.0009186	0.0006703	0.0006355	0.001715	0.0008216	0.0004577	0.0006668	0.0005348
Upper Lim.	0.002594	0.002	0.002253	0.006966	0.002	0.0021	0.002	0.002
Lower Lim.	0.001735	0.0008	0.001679	0.005363	0.00096	0.002	0.0011	0.0014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/8/2016	<0.002	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)			0.0037
6/9/2016						0.0012 (J)	0.0016	
8/12/2016	<0.002	0.0008 (J)	0.0017 (J)					
8/15/2016								0.003 (J)
8/18/2016				<0.002	0.0022 (J)	0.003 (J)	0.0054	
10/7/2016	<0.002	<0.002						
10/10/2016			<0.002	<0.002	0.002 (J)	0.0021 (J)	0.0079	0.0026 (J)
12/6/2016	<0.002							
12/7/2016		<0.002	<0.002			0.0023 (J)	0.0121	
12/8/2016				<0.002	<0.002			<0.002
2/16/2017	<0.002	<0.002						
2/17/2017			<0.002	<0.002	0.0023 (J)			
2/20/2017						0.0025 (J)	0.0063	0.0029 (J)
4/19/2017	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)
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	
7/14/2017	<0.002	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)			
3/27/2018	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	<0.002			0.00087 (J)	0.0027 (J)			0.0022 (J)
6/15/2018		0.00074 (J)						
10/18/2018	<0.002							
10/19/2018		<0.002		0.00059 (J)				
10/22/2018			<0.002		0.0016 (J)	0.0015 (J)	0.0027 (J)	0.0026 (J)
2/27/2019	0.00083 (J)		0.0014 (J)					
3/1/2019		<0.002			0.0011 (J)	0.0023 (J)	0.0032 (J)	0.0022 (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)	0.0019 (J)	
4/4/2019								0.0016 (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				<0.002			0.0027 (J)	0.002 (J)
2/24/2020	<0.002	<0.002	0.00057 (J)					
2/25/2020					0.0014 (J)	0.0012 (J)		
2/26/2020				0.00047 (J)			0.0013 (J)	0.0018 (J)
3/20/2020	<0.002	<0.002		<0.002	0.0015 (J)			
3/23/2020			<0.002			0.0027 (J)		
3/24/2020								0.0013 (J)
3/25/2020							<0.005	
9/24/2020	<0.002			<0.002	0.0019 (J)	0.001 (J)		
9/25/2020							0.0023 (J)	
9/28/2020		<0.002	<0.002					0.0028 (J)
2/18/2021	<0.002	<0.002	0.0016 (J)					
2/19/2021				0.00079 (J)	0.0039 (J)	0.0049 (J)	0.0054	
2/23/2021								0.004 (J)
3/24/2021	0.0014 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/26/2021		<0.002				<0.002	<0.005	0.0025 (J)
3/29/2021			<0.002	<0.002	<0.002			
8/19/2021	0.002 (J)							0.0019 (J)
8/20/2021		<0.002	<0.002	<0.002				
8/23/2021					0.0036 (J)	0.0043 (J)	0.0032 (J)	
2/14/2022						0.0065		
2/15/2022					0.007		0.0073	
2/16/2022	<0.002	0.0022 (J)	0.0031 (J)	0.002 (J)				0.0055
7/27/2022	<0.002	<0.002	<0.002					0.0027 (J)
7/28/2022				<0.002				
8/1/2022						0.0085		
8/2/2022					0.0033 (J)		<0.005	
10/21/2022							0.003 (J)	
1/26/2023	<0.002							
1/27/2023		<0.002		<0.002				<0.002
1/30/2023			<0.002					
2/1/2023							0.0042 (J)	
2/2/2023						0.01		
2/7/2023					0.0028 (J)			
8/17/2023	<0.002							<0.002
8/18/2023		<0.002	0.0045 (J)					
8/22/2023					0.0095			
8/23/2023				<0.002		0.0062		
8/25/2023							0.0081	
1/30/2024							0.0036 (J)	
2/2/2024	<0.002	0.00086 (J)						
2/5/2024			0.0011 (J)	<0.002				<0.002
2/8/2024					0.0015 (J)	0.0024 (J)		
8/19/2024	0.0012 (J)	0.0016 (J)						
8/20/2024			0.0076					0.0045 (J)
8/21/2024					0.009		0.0073	
8/22/2024				<0.002		0.0046 (J)		
2/6/2025			<0.002					
2/7/2025	<0.002	<0.002						
2/10/2025				<0.002				0.0013 (J)
2/11/2025						<0.002	<0.005	
2/13/2025					<0.002			
8/5/2025	<0.002							
8/6/2025		<0.002						
8/7/2025			<0.002		<0.002			<0.002
8/11/2025				<0.002		<0.002	0.0022	
Mean	0.001661	0.001544	0.002022	0.001644	0.002811	0.003071	0.004452	0.0025
Std. Dev.	0.0005924	0.0006448	0.00133	0.0005627	0.002231	0.002355	0.002577	0.0009428
Upper Lim.	0.002	0.002	0.002	0.002	0.00304	0.003732	0.005278	0.002688
Lower Lim.	0.0014	0.00082	0.0016	0.0012	0.001668	0.001855	0.003117	0.001824

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
1/23/2017	<0.002							
2/7/2017	<0.002							
3/27/2017	0.0019 (J)							
4/17/2017	0.0017 (J)							
5/22/2017	0.0034 (J)							
6/5/2017	0.0039 (J)							
7/11/2017	0.0016 (J)							
8/23/2017	0.001 (J)							
3/26/2018	0.0015 (J)							
6/15/2018	0.00089 (J)							
10/17/2018						0.00082 (J)		
10/18/2018		0.0034 (J)						
10/19/2018				0.013				
10/22/2018	0.00064 (J)		0.00076 (J)		0.0019 (J)			
1/14/2019				0.017				
3/1/2019	<0.002							
3/4/2019				0.02				
4/2/2019	0.00024 (J)					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	0.00042 (J)					0.00064 (J)		
2/25/2020					0.0013 (J)			
2/26/2020	0.00053 (J)	0.0037 (J)				<0.002		
2/27/2020			0.00081 (J)	0.017			0.0021 (J)	
2/28/2020								0.00062 (J)
3/23/2020	<0.002	0.0054				<0.002		
3/24/2020			0.0017 (J)	0.02			0.0054	
3/25/2020					0.00046 (J)			0.00051 (J)
9/2/2020							0.0012 (J)	
9/25/2020	<0.002		0.00093 (J)		0.0021 (J)			
9/28/2020		0.0044 (J)		0.018		<0.002		
9/29/2020								<0.002
2/19/2021				0.015				
2/22/2021		0.0049 (J)			0.0034 (J)			0.0024 (J)
2/23/2021			0.0032 (J)					
3/8/2021	<0.002					0.00096 (J)		
3/9/2021							0.0021 (J)	
3/25/2021	0.0015 (J)					0.0021 (J)		
3/26/2021					0.002 (J)			
3/29/2021		0.0038 (J)					0.0019 (J)	
3/30/2021			<0.002	0.016				<0.002
8/19/2021	<0.002						<0.002	
8/20/2021		0.0054			0.0021 (J)			
8/23/2021						0.0018 (J)		
8/24/2021				0.017				0.0021 (J)
8/25/2021			0.0029 (J)					
2/14/2022	<0.002					<0.002	0.0036 (J)	
2/16/2022		0.007	0.0041 (J)	0.02				0.0032 (J)
2/17/2022					0.0065			
7/28/2022		0.0051		0.015	<0.005			<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
7/29/2022			<0.002			<0.002		
8/1/2022	0.0034 (J)							
8/2/2022							0.0025 (J)	
1/27/2023		0.0035 (J)						
1/30/2023				0.014	0.005 (J)			
1/31/2023			0.004 (J)					0.0022 (J)
2/1/2023	0.0024 (J)					0.0032 (J)		
2/7/2023							<0.002	
8/18/2023		0.0054	0.0039 (J)	0.016				<0.002
8/21/2023	<0.002					0.0062	0.0051	
8/24/2023					0.016			
1/30/2024						0.0017 (J)		
2/2/2024		0.0023 (J)						
2/5/2024				0.013				
2/6/2024	0.001 (J)						0.0016 (J)	
2/7/2024					0.0073			0.00094 (J)
2/8/2024			0.0017 (J)					
8/19/2024		0.0041 (J)						
8/20/2024				0.015		0.0042 (J)		0.0038 (J)
8/21/2024			0.0073					
8/22/2024	0.0033 (J)				0.011		0.0056	
2/5/2025						<0.002		
2/6/2025		0.003 (J)		0.015				
2/10/2025	<0.002							<0.002
2/11/2025					0.0038 (J)		<0.002	
2/12/2025			<0.002					
8/5/2025	<0.002							
8/6/2025							<0.002	
8/7/2025				0.014		<0.002		
8/8/2025		0.0029						<0.002
8/11/2025					0.003			
8/12/2025			<0.002					
Mean	0.001833	0.004318	0.002472	0.01611	0.004333	0.002118	0.002793	0.001984
Std. Dev.	0.0009066	0.001215	0.001659	0.002183	0.00398	0.001386	0.001493	0.0008829
Upper Lim.	0.001751	0.005079	0.002955	0.01738	0.005952	0.002237	0.0051	0.002178
Lower Lim.	0.0008413	0.003557	0.001085	0.01483	0.001959	0.0008106	0.0019	0.0006659

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
9/3/2020	0.00099 (J)					
1/28/2021				0.0012 (J)	0.00099 (J)	
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)	
4/19/2021		0.0023 (J)	0.0032 (J)			
8/18/2021			0.0018 (J)			
8/23/2021	0.0022 (J)			0.0033 (J)	0.002 (J)	
8/24/2021		0.003 (J)				
2/9/2022			0.0023 (J)			
2/14/2022				<0.002	<0.002	
2/15/2022	0.0048 (J)					
2/17/2022		0.0057				
4/28/2022						<0.002
7/26/2022			0.0035 (J)			
7/28/2022					<0.002	
8/1/2022	0.0045 (J)	0.0076		<0.002		
8/2/2022						0.0034 (J)
1/25/2023			<0.005			
1/31/2023				<0.002	<0.002	
2/1/2023		0.0073				
2/2/2023						0.0037 (J)
2/7/2023	<0.002					
8/15/2023			<0.005			
8/21/2023				0.0057		
8/22/2023		0.0097			0.005	
8/23/2023	0.0087					
1/30/2024	0.0034 (J)					
1/31/2024			0.0019 (J)			
2/5/2024				<0.002	<0.002	
2/6/2024		0.0022 (J)				
8/16/2024			0.003 (J)			
8/20/2024				0.0033 (J)	<0.002	
8/21/2024	0.0072	0.0075				
8/22/2024						0.0058
2/5/2025			0.003 (J)			
2/6/2025				<0.002		
2/7/2025					<0.002	<0.002
2/10/2025		<0.002				
2/11/2025	<0.002					
7/31/2025			0.0027			
8/6/2025		<0.002				
8/7/2025	<0.002					
8/11/2025					<0.002	<0.002
8/13/2025				<0.002		
Mean	0.003341	0.00493	0.00314	0.003067	0.002149	0.00315
Std. Dev.	0.002504	0.002943	0.001122	0.00171	0.001018	0.001507
Upper Lim.	0.004676	0.007421	0.003105	0.003541	0.0028	0.005022
Lower Lim.	0.001198	0.002439	0.002038	0.001095	0.001	0.001517

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.034					
6/7/2016		0.0051		0.091	0.027		0.027	0.017
6/8/2016	0.048							
8/10/2016		0.0264						
8/11/2016	0.0428		0.0305				0.0292	0.0152
8/12/2016					0.026			
8/16/2016				0.0667				
10/4/2016		0.0316						
10/5/2016			0.0289					
10/6/2016	0.0404				0.0308			
10/7/2016				0.0631			0.0295	0.0225
12/2/2016		0.026						
12/5/2016			0.0269		0.0258			
12/6/2016	0.0385			0.0659			0.0367	0.0171
2/14/2017		0.0299						
2/15/2017	0.039		0.0299		0.029			
2/16/2017				0.0621			0.0315	0.0187
4/14/2017		0.0275						
4/17/2017			0.0318					
4/18/2017	0.0392			0.0545	0.0294		0.0272	
4/19/2017								0.0183
5/26/2017		0.0328	0.0341					
5/30/2017							0.0316	0.0179
6/2/2017	0.0407			0.0555	0.0354			
7/10/2017		0.0305						
7/11/2017			0.0355					
7/12/2017				0.0572				
7/13/2017					0.0329			
7/14/2017	0.0394						0.029	0.0191
3/26/2018		0.029						
3/27/2018	0.039		0.026	0.051			0.027	0.015
3/28/2018					0.034			
6/12/2018		0.031	0.024				0.029	
6/13/2018	0.038							
6/14/2018				0.053	0.032			0.016
10/16/2018		0.034						
10/17/2018			0.037		0.033			0.015
10/18/2018	0.037			0.053			0.026	
2/25/2019		0.03					0.028	
2/27/2019								0.014
2/28/2019	0.041			0.053	0.033			
4/1/2019		0.025	0.027		0.023			
4/2/2019	0.031			0.045			0.025	0.015
9/24/2019	0.035	0.03	0.035					
9/25/2019				0.047	0.035			
9/26/2019							0.031	0.023
2/19/2020		0.032						
2/20/2020			0.025	0.049			0.026	
2/21/2020	0.03							
2/24/2020					0.033			0.014
3/18/2020		0.028						
3/19/2020	0.031		0.028		0.034		0.027	0.017

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
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		0.029						
9/24/2020			0.031	0.041			0.028	0.022
9/25/2020	0.03				0.038			
10/1/2020						0.039		
11/10/2020						0.037		
12/15/2020						0.042		
1/20/2021						0.042		
2/16/2021		0.028						
2/17/2021			0.03					
2/18/2021	0.031			0.039		0.036	0.028	0.017
2/19/2021					0.043			
3/24/2021		0.027	0.026		0.039	0.032	0.028	0.018
3/30/2021	0.035			0.041				
8/18/2021		0.029	0.025	0.036	0.042	0.04	0.027	
8/19/2021	0.028							0.015
2/9/2022						0.022		
2/10/2022		0.027	0.026					
2/11/2022	0.029			0.044	0.043		0.03	0.015
7/26/2022		0.029	0.029			0.038		
7/27/2022					0.045		0.033	0.015
7/28/2022	0.028			0.042				
1/26/2023	0.029	0.029	0.027		0.052	0.025	0.033	0.015
1/27/2023				0.04				
8/16/2023		0.027			0.049	0.041		
8/17/2023	0.027		0.03	0.039			0.034	0.015
2/1/2024		0.027	0.027	0.038	0.055	0.034	0.032	0.017
2/2/2024	0.023							
8/16/2024	0.02	0.023				0.034		
8/19/2024			0.028		0.045		0.026	0.014
8/20/2024				0.04				
2/5/2025		0.027	0.028		0.06	0.04		
2/6/2025	0.025			0.043			0.029	
2/7/2025								0.016
7/31/2025		0.025						
8/4/2025			0.025		0.048	0.031		
8/5/2025	0.022			0.04			0.022	0.016
Mean	0.03346	0.02771	0.0291	0.04971	0.03758	0.03616	0.02895	0.01678
Std. Dev.	0.007007	0.00508	0.003559	0.0121	0.00939	0.006423	0.003096	0.002479
Upper Lim.	0.03674	0.02982	0.03079	0.05424	0.04197	0.03992	0.0304	0.0179
Lower Lim.	0.03019	0.02686	0.0274	0.0439	0.03319	0.0324	0.02751	0.015

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/8/2016	0.039	0.036	0.036	0.054	0.092			0.038
6/9/2016						0.11	0.14	
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	0.0427	0.0427						
10/10/2016			0.0288	0.0433	0.0954	0.0839	0.0888	0.0283
12/6/2016	0.0398							
12/7/2016		0.0338	0.0279			0.0912	0.0289	
12/8/2016				0.0474	0.0991			0.0294
2/16/2017	0.0309	0.0407						
2/17/2017			0.0316	0.0483	0.0927			
2/20/2017						0.0813	0.0999	0.0275
4/19/2017	0.0325	0.042	0.0367	0.0486		0.087	0.114	
4/20/2017					0.086			0.0279
6/1/2017	0.0331	0.0341	0.0361	0.0468				0.0313
6/5/2017					0.0875	0.084	0.135	
7/14/2017	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			
3/27/2018	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	0.032			0.042	0.093			0.019
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	0.1	0.018
2/27/2019	0.027		0.032					
3/1/2019		0.028			0.087	0.097	0.12	0.021
4/2/2019	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	0.042	0.049	0.032					
9/27/2019					0.095	0.11		
9/30/2019				0.036			0.098	0.016
2/24/2020	0.028	0.024	0.033					
2/25/2020					0.062	0.12		
2/26/2020				0.024			0.1	0.015
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	0.031			0.031	0.093	0.12		
9/25/2020							0.088	
9/28/2020		0.03	0.032					0.016
2/18/2021	0.034	0.026	0.039					
2/19/2021				0.03	0.086	0.12	0.081	
2/23/2021								0.019
3/24/2021	0.031							

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/26/2021		0.028				0.12	0.075	0.018
3/29/2021			0.033	0.025	0.079			
8/19/2021	0.029							0.019
8/20/2021		0.035	0.034	0.024				
8/23/2021					0.073	0.11	0.077	
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	0.029	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	
1/26/2023	0.034							
1/27/2023		0.023		0.021				0.015
1/30/2023			0.036					
2/1/2023							0.052	
2/2/2023						0.088		
2/7/2023					0.058			
8/17/2023	0.033							0.013
8/18/2023		0.034	0.035					
8/22/2023					0.068			
8/23/2023				0.036		0.06		
8/25/2023							0.045	
1/30/2024							0.042	
2/2/2024	0.027	0.028						
2/5/2024			0.034	0.027				0.016
2/8/2024					0.05	0.059		
8/19/2024	0.032	0.039						
8/20/2024			0.032					0.017
8/21/2024					0.055		0.035	
8/22/2024				0.022		0.063		
2/6/2025			0.037					
2/7/2025	0.034	0.037						
2/10/2025				0.02				0.015
2/11/2025						0.053	0.041	
2/13/2025					0.046			
8/5/2025	0.032							
8/6/2025		0.041						
8/7/2025			0.031		0.051			0.012
8/11/2025				0.018		0.044	0.037	
Mean	0.0325	0.03475	0.03282	0.03477	0.07903	0.09074	0.08178	0.02045
Std. Dev.	0.004179	0.006245	0.002859	0.01089	0.01571	0.02115	0.0334	0.006704
Upper Lim.	0.03431	0.03767	0.03416	0.03996	0.08696	0.1006	0.09708	0.02284
Lower Lim.	0.0305	0.03183	0.03149	0.02957	0.07351	0.08085	0.06648	0.01708

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
1/23/2017	0.237							
2/7/2017	0.191							
3/27/2017	0.197							
4/17/2017	0.192							
5/22/2017	0.197							
6/5/2017	0.201							
7/11/2017	0.179							
8/23/2017	0.15							
3/26/2018	0.1							
6/15/2018	0.087							
10/17/2018						0.11		
10/18/2018		0.055						
10/19/2018				0.038				
10/22/2018	0.1		0.096		0.065			
3/1/2019	0.078							
4/2/2019	0.075					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	0.08					0.084		
2/25/2020					0.099			
2/26/2020	0.062	0.033				0.064		
2/27/2020			0.092	0.036			0.24	
2/28/2020								0.045
3/23/2020	0.075	0.038				0.062		
3/24/2020			0.094	0.043			0.17	
3/25/2020					0.12			0.048
9/2/2020							0.19	
9/25/2020	0.07		0.14		0.11			
9/28/2020		0.038		0.042		0.067		
9/29/2020								0.047
2/19/2021				0.053				
2/22/2021		0.041			0.091			0.061
2/23/2021			0.13					
3/8/2021	0.074					0.073		
3/9/2021							0.096	
3/25/2021	0.06					0.073		
3/26/2021					0.07			
3/29/2021		0.039					0.082	
3/30/2021			0.13	0.048				0.06
8/19/2021	0.094						0.14	
8/20/2021		0.041			0.069			
8/23/2021						0.066		
8/24/2021				0.048				0.053
8/25/2021			0.099					
2/14/2022	0.072					0.064	0.15	
2/16/2022		0.042	0.096	0.052				0.055
2/17/2022					0.071			
7/28/2022		0.039		0.051	0.06			0.047
7/29/2022			0.09			0.062		
8/1/2022	0.061							

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
8/2/2022							0.12	
1/27/2023		0.042						
1/30/2023				0.055	0.059			
1/31/2023			0.1					0.047
2/1/2023	0.062					0.058		
2/7/2023							0.11	
8/18/2023		0.041	0.079	0.052				0.038
8/21/2023	0.051					0.06	0.1	
8/24/2023					0.056			
1/30/2024						0.06		
2/2/2024		0.044						
2/5/2024				0.057				
2/6/2024	0.055						0.16	
2/7/2024					0.05			0.039
2/8/2024			0.086					
8/19/2024		0.035						
8/20/2024				0.056		0.054		0.034
8/21/2024			0.083					
8/22/2024	0.043				0.053		0.088	
2/5/2025						0.063		
2/6/2025		0.044		0.06				
2/10/2025	0.042							0.035
2/11/2025					0.053		0.085	
2/12/2025			0.085					
8/5/2025	0.061							
8/6/2025							0.1	
8/7/2025				0.052		0.053		
8/8/2025		0.039						0.033
8/11/2025					0.051			
8/12/2025			0.083					
Mean	0.1052	0.04006	0.09929	0.04765	0.07253	0.06747	0.1308	0.04586
Std. Dev.	0.05956	0.005129	0.01886	0.0085	0.02133	0.01343	0.04661	0.009223
Upper Lim.	0.15	0.0431	0.12	0.05297	0.08442	0.074	0.1638	0.05239
Lower Lim.	0.062	0.03685	0.085	0.04232	0.05906	0.058	0.09777	0.03932

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
9/3/2020	0.083					
1/28/2021				0.061	0.076	
2/23/2021				0.054	0.095	
3/8/2021	0.068					
3/29/2021	0.065					
3/30/2021				0.051	0.084	
4/19/2021		0.077	0.033			
8/18/2021			0.028			
8/23/2021	0.07			0.044	0.063	
8/24/2021		0.094				
2/9/2022			0.049			
2/14/2022				0.011	0.029	
2/15/2022	0.076					
2/17/2022		0.077				
4/28/2022						0.021
7/26/2022			0.051			
7/28/2022					0.021	
8/1/2022	0.066	0.062		0.0081		
8/2/2022						0.026
1/25/2023			0.067			
1/31/2023				0.011	0.032	
2/1/2023		0.055				
2/2/2023						0.022
2/7/2023	0.059					
8/15/2023			0.062			
8/21/2023				0.0094		
8/22/2023		0.074			0.029	
8/23/2023	0.062					
1/30/2024	0.072					
1/31/2024			0.055			
2/5/2024				0.0058	0.019	
2/6/2024		0.057				
8/16/2024			0.031			
8/20/2024				0.0057	0.019	
8/21/2024	0.056	0.069				
8/22/2024						0.033
2/5/2025			0.047			
2/6/2025				0.0055		
2/7/2025					0.019	0.025
2/10/2025		0.062				
2/11/2025	0.057					
7/31/2025			0.031			
8/6/2025		0.06				
8/7/2025	0.049					
8/11/2025					0.018	0.028
8/13/2025				0.0079		
Mean	0.06525	0.0687	0.0454	0.02287	0.042	0.02583
Std. Dev.	0.009411	0.012	0.01395	0.02227	0.02894	0.004355
Upper Lim.	0.07263	0.07941	0.05785	0.054	0.084	0.03182
Lower Lim.	0.05787	0.05799	0.03295	0.0057	0.018	0.01985

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22	BGWC-23	BGWC-24
6/7/2016	<0.0004	<0.0004	<0.0004					
6/8/2016				<0.0004	<0.0004	<0.0004		
6/9/2016							<0.0004	<0.0004
8/11/2016		<0.0004	<0.0004					
8/12/2016	<0.0004			<0.0004	<0.0004			
8/18/2016						<0.0004	<0.0004	<0.0004
10/6/2016	<0.0004							
10/7/2016		<0.0004	<0.0004	<0.0004	<0.0004			
10/10/2016						<0.0004	<0.0004	<0.0004
12/5/2016	<0.0004							
12/6/2016		<0.0004	<0.0004	<0.0004				
12/7/2016					<0.0004		<0.0004	<0.0004
12/8/2016						<0.0004		
2/15/2017	<0.0004							
2/16/2017		<0.0004	<0.0004	<0.0004	<0.0004			
2/17/2017						<0.0004		
2/20/2017							<0.0004	<0.0004
4/18/2017	<0.0004	<0.0004						
4/19/2017			<0.0004	<0.0004	8E-05 (J)		<0.0004	<0.0004
4/20/2017						<0.0004		
5/30/2017		<0.0004	<0.0004					
6/1/2017				9E-05 (J)	7E-05 (J)			
6/2/2017	<0.0004							
6/5/2017						<0.0004	<0.0004	<0.0004
7/13/2017	<0.0004							
7/14/2017		<0.0004	<0.0004	<0.0004	<0.0004			
7/17/2017							<0.0004	<0.0004
7/19/2017						<0.0004		
3/27/2018		<0.0004	<0.0004	<0.0004	<0.0004			
3/28/2018	<0.0004							
3/29/2018						<0.0004	<0.0004	<0.0004
2/25/2019		8.7E-05 (J)						
2/27/2019			<0.0004	0.00011 (J)				
2/28/2019	7.6E-05 (J)							
3/1/2019					<0.0004	0.00012 (J)	<0.0004	<0.0004
4/1/2019	<0.0004							
4/2/2019		6.3E-05 (J)	<0.0004	5.2E-05 (J)				
4/3/2019					<0.0004	6.7E-05 (J)	<0.0004	<0.0004
9/25/2019	<0.0004							
9/26/2019		8E-05 (J)	<0.0004	<0.0004	<0.0004			
9/27/2019						9.9E-05 (J)	<0.0004	
9/30/2019								9.3E-05 (J)
2/20/2020		0.00012 (J)						
2/24/2020	<0.0004		<0.0004	<0.0004	<0.0004			
2/25/2020						9.3E-05 (J)	<0.0004	
2/26/2020								0.0001 (J)
3/19/2020	<0.0004	0.00012 (J)	<0.0004					
3/20/2020				7.6E-05 (J)	<0.0004	8.8E-05 (J)		
3/23/2020							<0.0004	
3/25/2020								0.0001 (J)
9/24/2020		0.00011 (J)	5.4E-05 (J)	<0.0004		0.00012 (J)	5.4E-05 (J)	
9/25/2020	<0.0004							0.00013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22	BGWC-23	BGWC-24
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)	<0.0004	0.00018 (J)
3/24/2021	<0.0004	0.00014 (J)	<0.0004	6.1E-05 (J)				
3/26/2021					5.5E-05 (J)		<0.0004	<0.0004
3/29/2021						0.00011 (J)		
8/18/2021	<0.0004	0.00013 (J)						
8/19/2021			6.1E-05 (J)	<0.0004				
8/20/2021					8.7E-05 (J)			
8/23/2021						0.00011 (J)	<0.0004	0.00017 (J)
2/11/2022	<0.0004	0.00013 (J)	<0.0004					
2/14/2022							<0.0004	
2/15/2022						0.00012 (J)		0.00027 (J)
2/16/2022				6.3E-05 (J)	0.0001 (J)			
7/27/2022	<0.0004	0.00017 (J)	5.8E-05 (J)	<0.0004	6.1E-05 (J)			
8/1/2022							<0.0004	
8/2/2022						0.00012 (J)		<0.0004
10/21/2022								0.00022 (J)
1/26/2023	<0.0004	0.00015 (J)	<0.0004	0.0001 (J)				
1/27/2023					<0.0004			
2/1/2023								0.00031 (J)
2/2/2023							<0.0004	
2/7/2023						0.00013 (J)		
8/16/2023	<0.0004							
8/17/2023		0.00017 (J)	5.7E-05 (J)	<0.0004				
8/18/2023					<0.0004			
8/22/2023						0.00014 (J)		
8/23/2023							<0.0004	
8/25/2023								0.00024 (J)
1/30/2024								0.00028 (J)
2/1/2024	<0.0004	0.00022 (J)	<0.0004					
2/2/2024				<0.0004	<0.0004			
2/8/2024						0.00013 (J)	<0.0004	
8/19/2024	<0.0004	0.00023 (J)	<0.0004	<0.0004	<0.0004			
8/21/2024						0.00014 (J)		0.00024 (J)
8/22/2024							<0.0004	
2/5/2025	<0.0004							
2/6/2025		0.00034 (J)						
2/7/2025			<0.0004	<0.0004	<0.0004			
2/11/2025							<0.0004	0.00027 (J)
2/13/2025						<0.0004		
8/4/2025	<0.0004							
8/5/2025		0.00024 (J)	<0.0004	<0.0004				
8/6/2025					<0.0004			
8/7/2025						<0.0004		
8/11/2025							<0.0004	0.00029 (J)
Mean	0.0003739	0.0002396	0.0003344	0.0003008	0.0002997	0.0002353	0.0003867	0.0002997
Std. Dev.	9.222E-05	0.0001313	0.0001371	0.0001522	0.0001537	0.0001447	6.786E-05	0.0001125
Upper Lim.	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Lower Lim.	7.6E-05	0.00013	6.5E-05	0.0001	8.8E-05	0.00012	5.4E-05	0.00022

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-51	BGWC-52	PZ-7
4/2/2019	7E-05 (J)				
9/27/2019	<0.0004				
2/26/2020	<0.0004				
2/27/2020		8.8E-05 (J)			
3/23/2020	<0.0004				
3/24/2020		<0.0004			
9/2/2020		6E-05 (J)			
9/28/2020	<0.0004				
1/28/2021			8.3E-05 (J)	<0.0004	
2/23/2021			0.00011 (J)	<0.0004	
3/8/2021	<0.0004				
3/9/2021		<0.0004			
3/25/2021	<0.0004				
3/29/2021		<0.0004			
3/30/2021			0.00021 (J)	5.2E-05 (J)	
8/19/2021		5.9E-05 (J)			
8/23/2021	<0.0004		0.00013 (J)	<0.0004	
2/14/2022	<0.0004	<0.0004	7E-05 (J)	<0.0004	
4/28/2022					6.4E-05 (J)
7/28/2022				<0.0004	
7/29/2022	<0.0004				
8/1/2022			<0.0004		
8/2/2022		5.4E-05 (J)			6.9E-05 (J)
1/31/2023			7.2E-05 (J)	<0.0004	
2/1/2023	<0.0004				
2/2/2023					7.2E-05 (J)
2/7/2023		8.7E-05 (J)			
8/21/2023	<0.0004	<0.0004	<0.0004		
8/22/2023				<0.0004	
1/30/2024	<0.0004				
2/5/2024			<0.0004	<0.0004	
2/6/2024		<0.0004			
8/20/2024	<0.0004		<0.0004	<0.0004	
8/22/2024		<0.0004			<0.0004
2/5/2025	<0.0004				
2/6/2025			<0.0004		
2/7/2025				<0.0004	<0.0004
2/11/2025		<0.0004			
8/6/2025		<0.0004			
8/7/2025	<0.0004				
8/11/2025				<0.0004	<0.0004
8/13/2025			<0.0004		
Mean	0.0003794	0.000282	0.0002562	0.000371	0.0002342
Std. Dev.	8.25E-05	0.0001645	0.0001544	0.0001005	0.0001817
Upper Lim.	0.0004	0.0004	0.0004	0.0004	0.0004
Lower Lim.	7E-05	6E-05	7.2E-05	5.2E-05	6.4E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23
6/7/2016		0.0011 (J)	<0.0005					
6/8/2016				0.00063 (J)	<0.0005	<0.0005	<0.0005	
6/9/2016								<0.0005
8/11/2016		0.0011	0.0001 (J)					
8/12/2016				0.0004 (J)	<0.0005	<0.0005		
8/18/2016							<0.0005	<0.0005
10/7/2016		0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)			
10/10/2016						<0.0005	<0.0005	<0.0005
12/6/2016		0.0012	0.0001 (J)	0.0006 (J)				
12/7/2016					<0.0005	<0.0005		<0.0005
12/8/2016							0.0002 (J)	
2/16/2017		0.0015	0.0001 (J)	0.0002 (J)	<0.0005			
2/17/2017						8E-05 (J)	<0.0005	
2/20/2017								<0.0005
4/18/2017		0.0012						
4/19/2017			0.0001 (J)	9E-05 (J)	<0.0005	<0.0005		<0.0005
4/20/2017							<0.0005	
5/30/2017		0.0011	0.0002 (J)					
6/1/2017				0.0003 (J)	0.0001 (J)	<0.0005		
6/5/2017							<0.0005	<0.0005
7/14/2017		0.0012	0.0002 (J)	0.0002 (J)	<0.0005			
7/17/2017								<0.0005
7/18/2017						<0.0005		
7/19/2017							<0.0005	
3/27/2018		0.0013	<0.0005	<0.0005	<0.0005			
3/28/2018						<0.0005		
3/29/2018							<0.0005	<0.0005
6/12/2018		0.0011						
6/13/2018						<0.0005		<0.0005
6/14/2018			0.00015 (J)	<0.0005			<0.0005	
6/15/2018					<0.0005			
10/17/2018			<0.0005					
10/18/2018		0.0012		0.00032 (J)				
10/19/2018					<0.0005			
10/22/2018						<0.0005	<0.0005	<0.0005
2/25/2019		0.0016						
2/27/2019			<0.0005	<0.0005		<0.0005		
3/1/2019					<0.0005		0.00013 (J)	0.00019 (J)
4/2/2019		0.0014	<0.0005	7.3E-05 (J)				
4/3/2019					<0.0005	<0.0005	<0.0005	<0.0005
9/26/2019		0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005		
9/27/2019							<0.0005	<0.0005
2/20/2020		0.0019 (J)						
2/24/2020			<0.0005	0.00024 (J)	<0.0005	<0.0005		
2/25/2020							<0.0005	<0.0005
3/19/2020		0.0017 (J)	<0.0005					
3/20/2020				<0.0005	<0.0005		<0.0005	
3/23/2020						<0.0005		<0.0005
5/22/2020	<0.0005							
6/23/2020	<0.0005							
7/28/2020	<0.0005							
9/2/2020	0.00014 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23
9/24/2020		0.0018 (J)	0.00024 (J)	<0.0005			0.00033 (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 (J)							
1/20/2021	<0.0005							
2/18/2021	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005		
2/19/2021							0.00038 (J)	<0.0005
3/24/2021	0.00016 (J)	0.0018	<0.0005	<0.0005				
3/26/2021					<0.0005			<0.0005
3/29/2021						<0.0005	<0.0005	
8/18/2021	0.00021 (J)	0.0018						
8/19/2021			0.00017 (J)	<0.0005				
8/20/2021					<0.0005	<0.0005		
8/23/2021							0.00019 (J)	<0.0005
2/9/2022	0.00021 (J)							
2/11/2022		0.0019	0.00016 (J)					
2/14/2022								<0.0005
2/15/2022							0.0002 (J)	
2/16/2022				<0.0005	<0.0005	<0.0005		
7/26/2022	0.0004 (J)							
7/27/2022		0.0024	0.00029 (J)	<0.0005	<0.0005	<0.0005		
8/1/2022								<0.0005
8/2/2022							0.00012 (J)	
1/26/2023	<0.0005	0.0021	<0.0005	<0.0005				
1/27/2023					<0.0005			
1/30/2023						<0.0005		
2/2/2023								<0.0005
2/7/2023							0.001	
8/16/2023	0.00057							
8/17/2023		0.002	0.00028 (J)	<0.0005				
8/18/2023					<0.0005	<0.0005		
8/22/2023							0.00091	
8/23/2023								<0.0005
2/1/2024	0.0005	0.0024	0.00023 (J)					
2/2/2024				<0.0005	<0.0005			
2/5/2024						<0.0005		
2/8/2024							0.0014	<0.0005
8/16/2024	0.00078							
8/19/2024		0.0022	0.00031 (J)	<0.0005	<0.0005			
8/20/2024						<0.0005		
8/21/2024							0.0009	
8/22/2024								<0.0005
2/5/2025	0.00073							
2/6/2025		0.0035				<0.0005		
2/7/2025			0.00019 (J)	<0.0005	<0.0005			
2/11/2025								<0.0005
2/13/2025							0.0013	
8/4/2025	0.0005							
8/5/2025		0.0021	<0.0005	<0.0005				
8/6/2025					<0.0005			
8/7/2025						<0.0005	0.00022 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23
8/11/2025								<0.0005
Mean	0.0004079	0.001689	0.0003096	0.0004412	0.0004607	0.000485	0.0005279	0.0004889
Std. Dev.	0.0001971	0.0005439	0.0001644	0.0001611	0.0001166	7.937E-05	0.0003154	5.858E-05
Upper Lim.	0.00057	0.001898	0.0005	0.0005	0.0005	0.0005	0.0009	0.0005
Lower Lim.	0.00019	0.001422	0.00017	0.0004	0.0002	8E-05	0.00038	0.00019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-30	BGWC-38D	BGWC-43D	BGWC-51	BGWC-52	PZ-7
6/9/2016	0.00052 (J)						
8/18/2016	0.0009 (J)						
10/10/2016	0.0017						
12/7/2016	0.0004 (J)						
1/23/2017		0.0003 (J)					
2/7/2017		0.0006 (J)					
2/20/2017	0.0028						
3/27/2017		0.0003 (J)					
4/17/2017		0.0002 (J)					
4/19/2017	0.0035						
5/22/2017		0.0003 (J)					
6/5/2017	0.0035	0.0003 (J)					
7/11/2017		0.0005 (J)					
7/17/2017	0.0037						
8/23/2017		0.0004 (J)					
3/26/2018		<0.0005					
3/29/2018	0.0063						
6/13/2018	0.0053						
6/15/2018		0.0002 (J)					
10/22/2018	0.0053	<0.0005					
3/1/2019	0.0058	<0.0005					
4/2/2019		7.9E-05 (J)					
4/3/2019	0.0053						
9/27/2019		<0.0005					
9/30/2019	0.0075						
2/26/2020	0.0064	<0.0005					
2/27/2020			0.00081 (J)				
3/23/2020		<0.0005					
3/24/2020			<0.0005				
3/25/2020	0.0082						
9/2/2020			0.00032 (J)				
9/3/2020				0.0011 (J)			
9/25/2020	0.0081	<0.0005					
1/28/2021					0.00031 (J)	0.00025 (J)	
2/19/2021	0.0068						
2/23/2021					0.00043 (J)	<0.0005	
3/8/2021		<0.0005		0.0003 (J)			
3/9/2021			<0.0005				
3/25/2021		<0.0005					
3/26/2021	0.0062						
3/29/2021			<0.0005	0.00019 (J)			
3/30/2021					0.0007	0.00018 (J)	
8/19/2021		<0.0005	<0.0005				
8/23/2021	0.0039			0.00036 (J)	0.00043 (J)	0.00018 (J)	
2/14/2022		<0.0005	<0.0005		<0.0005	<0.0005	
2/15/2022	0.0042			0.0015			
4/28/2022							<0.0005
7/28/2022						<0.0005	
8/1/2022		<0.0005		0.0011	<0.0005		
8/2/2022	0.00026 (J)		<0.0005				0.00015 (J)
10/21/2022	0.0031						
1/31/2023					<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-30	BGWC-38D	BGWC-43D	BGWC-51	BGWC-52	PZ-7
2/1/2023	0.0032	<0.0005					
2/2/2023							<0.0005
2/7/2023			<0.0005	0.00014 (J)			
8/21/2023		<0.0005	<0.0005		<0.0005		
8/22/2023						<0.0005	
8/23/2023				0.00029 (J)			
8/25/2023	0.0033						
1/30/2024	0.0022			0.00034 (J)			
2/5/2024					<0.0005	<0.0005	
2/6/2024		<0.0005	<0.0005				
8/20/2024					<0.0005	<0.0005	
8/21/2024	0.0017			0.00044 (J)			
8/22/2024		<0.0005	0.00016 (J)				0.0002 (J)
2/6/2025					<0.0005		
2/7/2025						<0.0005	<0.0005
2/10/2025		<0.0005					
2/11/2025	0.0017		0.00044 (J)	0.00043 (J)			
8/5/2025		<0.0005					
8/6/2025			<0.0005				
8/7/2025				0.00047 (J)			
8/11/2025	0.0019					<0.0005	0.00014 (J)
8/13/2025					<0.0005		
Mean	0.00392	0.000435	0.0004807	0.000555	0.0004892	0.0004258	0.0003317
Std. Dev.	0.002351	0.0001245	0.0001366	0.0004315	8.764E-05	0.0001353	0.0001855
Upper Lim.	0.004997	0.0005	0.00081	0.000825	0.0007	0.0005	0.0005
Lower Lim.	0.002843	0.0004	0.00044	0.0002428	0.00043	0.00018	0.00014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	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	<0.005
6/8/2016	<0.005							
8/10/2016		0.0052 (J)						
8/11/2016	<0.005		<0.005				<0.005	<0.005
8/12/2016					<0.005			
8/16/2016				<0.005				
10/4/2016		0.0015 (J)						
10/5/2016			0.002 (J)					
10/6/2016	<0.005				<0.005			
10/7/2016				<0.005			<0.005	<0.005
12/2/2016		0.0013 (J)						
12/5/2016			<0.005		<0.005			
12/6/2016	<0.005			<0.005			<0.005	<0.005
2/14/2017		<0.005						
2/15/2017	<0.005		<0.005		<0.005			
2/16/2017				<0.005			<0.005	<0.005
4/14/2017		0.0011 (J)						
4/17/2017			<0.005					
4/18/2017	<0.005			<0.005	<0.005		<0.005	
4/19/2017								<0.005
5/26/2017		0.0008 (J)	<0.005					
5/30/2017							<0.005	<0.005
6/2/2017	<0.005			<0.005	0.0003 (J)			
7/10/2017		0.0009 (J)						
7/11/2017			<0.005					
7/12/2017				<0.005				
7/13/2017					<0.005			
7/14/2017	<0.005						<0.005	<0.005
3/26/2018		<0.005						
3/27/2018	<0.005		<0.005	<0.005			<0.005	<0.005
3/28/2018					<0.005			
2/25/2019		<0.005					<0.005	
2/27/2019								<0.005
2/28/2019	<0.005			<0.005	<0.005			
4/1/2019		0.00091 (J)	<0.005		<0.005			
4/2/2019	<0.005			<0.005			<0.005	0.00044 (J)
9/24/2019	0.00055 (J)	0.063	<0.005					
9/25/2019				<0.005	0.00055 (J)			
9/26/2019							<0.005	<0.005
2/19/2020		0.0011 (J)						
2/20/2020			<0.005	<0.005			<0.005	
2/21/2020	<0.005							
2/24/2020					<0.005			<0.005
3/18/2020		0.0014 (J)						
3/19/2020	0.00061 (J)		<0.005		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		0.0013 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
9/24/2020			<0.005	<0.005			<0.005	<0.005
9/25/2020	<0.005				0.00058 (J)			
10/1/2020						<0.005		
11/10/2020						<0.005		
12/15/2020						<0.005		
1/20/2021						<0.005		
2/16/2021		0.001 (J)						
2/17/2021			<0.005					
2/18/2021	<0.005			<0.005		0.026	0.0019 (J)	<0.005
2/19/2021					<0.005			
3/24/2021		0.0013 (J)	<0.005		0.00079 (J)	<0.005	<0.005	<0.005
3/30/2021	0.00095 (J)			<0.005				
8/18/2021		0.0012 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
8/19/2021	<0.005							<0.005
2/9/2022						<0.005		
2/10/2022		0.0014 (J)	<0.005					
2/11/2022	<0.005			<0.005	<0.005		<0.005	<0.005
7/26/2022		<0.005	<0.005			<0.005		
7/27/2022					<0.005		<0.005	<0.005
7/28/2022	<0.005			<0.005				
1/26/2023	<0.005	0.0014 (J)	0.0021 (J)		0.0018 (J)	0.0014 (J)	<0.005	<0.005
1/27/2023				<0.005				
8/16/2023		<0.005			<0.005	<0.005		
8/17/2023	<0.005		<0.005	<0.005			<0.005	<0.005
2/1/2024		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2024	<0.005							
8/16/2024	<0.005	<0.005				<0.005		
8/19/2024			<0.005		<0.005		<0.005	<0.005
8/20/2024				<0.005				
2/5/2025		<0.005	<0.005		<0.005	<0.005		
2/6/2025	<0.005			<0.005			<0.005	
2/7/2025								<0.005
7/31/2025		<0.005						
8/4/2025			0.002 (J)		<0.005	<0.005		
8/5/2025	<0.005			<0.005			<0.005	<0.005
Mean	0.004504	0.005185	0.004644	0.00485	0.004016	0.005916	0.004716	0.004647
Std. Dev.	0.001401	0.01195	0.0009841	0.0007649	0.001848	0.004933	0.001018	0.001246
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.026	0.005	0.005
Lower Lim.	0.00095	0.0012	0.0021	0.0011	0.0018	0.0014	0.0019	0.00044

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
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		
1/23/2017							0.001 (J)	
2/7/2017							<0.005	
2/16/2017	<0.005							
2/17/2017		<0.005	<0.005					
2/20/2017				<0.005	<0.005	<0.005		
3/27/2017							<0.005	
4/17/2017							<0.005	
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005			
4/20/2017						<0.005		
5/22/2017							0.0004 (J)	
6/1/2017	<0.005	<0.005	<0.005			<0.005		
6/5/2017				<0.005	<0.005		0.0004 (J)	
7/11/2017							0.0012 (J)	
7/14/2017	<0.005							
7/17/2017				<0.005	<0.005	<0.005		
7/18/2017		<0.005	<0.005					
8/23/2017							0.0009 (J)	
3/26/2018							<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	<0.005	
4/2/2019	<0.005						0.00095 (J)	
4/3/2019		0.00088 (J)	<0.005	0.00057 (J)	<0.005			
4/4/2019						<0.005		<0.005
9/24/2019								0.00064 (J)
9/26/2019	<0.005	0.0022 (J)						
9/27/2019				<0.005			0.00056 (J)	
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	0.00073 (J)	<0.005
3/20/2020	0.00046 (J)		0.00041 (J)					
3/23/2020		0.00091 (J)		0.00043 (J)			0.00098 (J)	0.0011 (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)		0.00087 (J)	
9/28/2020		0.0028 (J)				<0.005		0.00056 (J)
2/18/2021	<0.005	0.00078 (J)						
2/19/2021			<0.005	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
2/22/2021								<0.005
2/23/2021						<0.005		
3/8/2021							0.0011 (J)	
3/24/2021	0.00065 (J)							
3/25/2021							0.00082 (J)	
3/26/2021				<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				0.0015 (J)	<0.005			
2/14/2022				<0.005			0.0014 (J)	
2/15/2022					<0.005			
2/16/2022	<0.005	<0.005	<0.005			<0.005		<0.005
7/27/2022	<0.005	<0.005				<0.005		
7/28/2022			<0.005					<0.005
8/1/2022				<0.005			<0.005	
8/2/2022					<0.005			
10/21/2022					<0.005			
1/26/2023	<0.005							
1/27/2023			<0.005			<0.005		<0.005
1/30/2023		<0.005						
2/1/2023					<0.005		<0.005	
2/2/2023				<0.005				
8/17/2023	<0.005					<0.005		
8/18/2023		<0.005						<0.005
8/21/2023							<0.005	
8/23/2023			<0.005	<0.005				
8/25/2023					<0.005			
1/30/2024					<0.005			
2/2/2024	<0.005							<0.005
2/5/2024		<0.005	<0.005			<0.005		
2/6/2024							<0.005	
2/8/2024				<0.005				
8/19/2024	<0.005							<0.005
8/20/2024		<0.005				<0.005		
8/21/2024					<0.005			
8/22/2024			<0.005	<0.005			<0.005	
2/6/2025		<0.005						<0.005
2/7/2025	<0.005							
2/10/2025			<0.005			<0.005	<0.005	
2/11/2025				<0.005	<0.005			
8/5/2025	<0.005						<0.005	
8/7/2025		0.0024 (J)				<0.005		
8/8/2025								<0.005
8/11/2025			<0.005	<0.005	<0.005			
Mean	0.004508	0.003917	0.004716	0.004338	0.004518	0.004888	0.002935	0.004206
Std. Dev.	0.001392	0.001697	0.001027	0.00146	0.00139	0.0005687	0.002116	0.00171
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0011	0.0024	0.0025	0.0033	0.0009	0.0021	0.0009	0.0011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-51
4/2/2019			0.001 (J)					
4/4/2019		0.0011 (J)						
4/5/2019	<0.005							
9/26/2019	0.00062 (J)	0.00067 (J)						
9/27/2019			0.0006 (J)					
2/25/2020		<0.005						
2/26/2020			<0.005					
2/27/2020	0.00072 (J)			0.0031 (J)				
2/28/2020					0.00043 (J)			
3/23/2020			<0.005					
3/24/2020	0.0012 (J)			0.00042 (J)				
3/25/2020		<0.005			0.00058 (J)			
9/2/2020				<0.005				
9/3/2020						<0.005		
9/25/2020	0.00057 (J)	0.00072 (J)						
9/28/2020			<0.005					
9/29/2020					0.00082 (J)			
1/28/2021								<0.005
2/22/2021		<0.005			<0.005			
2/23/2021	<0.005							0.0006 (J)
3/8/2021			0.00057 (J)			<0.005		
3/9/2021				<0.005				
3/25/2021			0.00057 (J)					
3/26/2021		<0.005						
3/29/2021				<0.005		<0.005		
3/30/2021	<0.005				0.00081 (J)			<0.005
4/19/2021							0.00071 (J)	
8/19/2021				<0.005				
8/20/2021		<0.005						
8/23/2021			<0.005			<0.005		<0.005
8/24/2021					<0.005		<0.005	
8/25/2021	0.0043 (J)							
2/14/2022			<0.005	<0.005				<0.005
2/15/2022						0.0024 (J)		
2/16/2022	<0.005				0.0011 (J)			
2/17/2022		<0.005					<0.005	
7/28/2022		<0.005			<0.005			
7/29/2022	<0.005		<0.005					
8/1/2022						<0.005	<0.005	<0.005
8/2/2022				<0.005				
1/30/2023		<0.005						
1/31/2023	<0.005				0.005 (J)			<0.005
2/1/2023			<0.005				<0.005	
2/7/2023				<0.005		<0.005		
8/18/2023	<0.005				<0.005			
8/21/2023			<0.005	<0.005				<0.005
8/22/2023							<0.005	
8/23/2023						<0.005		
8/24/2023		<0.005						
1/30/2024			<0.005			<0.005		
2/5/2024								<0.005
2/6/2024				<0.005			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-51
2/7/2024		<0.005			<0.005			
2/8/2024	<0.005							
8/20/2024			<0.005		<0.005			<0.005
8/21/2024	<0.005					<0.005	<0.005	
8/22/2024		<0.005		<0.005				
2/5/2025			<0.005					
2/6/2025								<0.005
2/10/2025					<0.005		<0.005	
2/11/2025		<0.005		<0.005		<0.005		
2/12/2025	<0.005							
8/6/2025				<0.005			<0.005	
8/7/2025			<0.005			<0.005		
8/8/2025					<0.005			
8/11/2025		0.0086						
8/12/2025	<0.005							
8/13/2025								<0.005
Mean	0.003901	0.004443	0.003921	0.004537	0.003481	0.004783	0.004571	0.004633
Std. Dev.	0.001875	0.002005	0.001932	0.001289	0.002119	0.0007506	0.001357	0.00127
Upper Lim.	0.005	0.0086	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00072	0.0011	0.0006	0.0031	0.00081	0.0024	0.005	0.0006

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52
1/28/2021	<0.005
2/23/2021	<0.005
3/30/2021	0.00061 (J)
8/23/2021	<0.005
2/14/2022	0.0013 (J)
7/28/2022	<0.005
1/31/2023	0.0016 (J)
8/22/2023	<0.005
2/5/2024	<0.005
8/20/2024	<0.005
2/7/2025	<0.005
8/11/2025	<0.005
Mean	0.004042
Std. Dev.	0.001746
Upper Lim.	0.005
Lower Lim.	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			<0.005					
6/7/2016		0.00013 (J)		<0.005	<0.005		0.0037	<0.005
6/8/2016	0.00081 (J)							
8/10/2016		0.0003 (J)						
8/11/2016	0.0007 (J)		0.0003 (J)				0.0039 (J)	<0.005
8/12/2016					<0.005			
8/16/2016				<0.005				
10/4/2016		<0.005						
10/5/2016			<0.005					
10/6/2016	<0.005				<0.005			
10/7/2016				<0.005			0.0043 (J)	<0.005
12/2/2016		<0.005						
12/5/2016			0.0006 (J)		0.0006 (J)			
12/6/2016	0.0009 (J)			<0.005			0.005 (J)	<0.005
2/14/2017		<0.005						
2/15/2017	<0.005		<0.005		<0.005			
2/16/2017				<0.005			0.0054 (J)	<0.005
4/14/2017		<0.005						
4/17/2017			<0.005					
4/18/2017	0.0005 (J)			<0.005	<0.005		0.0054 (J)	
4/19/2017								<0.005
5/26/2017		<0.005	<0.005					
5/30/2017							0.0045 (J)	<0.005
6/2/2017	0.0006 (J)			<0.005	<0.005			
7/10/2017		<0.005						
7/11/2017			<0.005					
7/12/2017				<0.005				
7/13/2017					0.0003 (J)			
7/14/2017	0.0006 (J)						0.0049 (J)	<0.005
3/26/2018		<0.005						
3/27/2018	<0.005		<0.005	<0.005			<0.01	<0.005
3/28/2018					<0.005			
6/12/2018		<0.005	<0.005				0.0048 (J)	
6/13/2018	0.00068 (J)							
6/14/2018				<0.005	<0.005			<0.005
10/16/2018		<0.005						
10/17/2018			<0.005		<0.005			<0.005
10/18/2018	<0.005			<0.005			0.0047 (J)	
2/25/2019		<0.005					0.0071 (J)	
2/27/2019								<0.005
2/28/2019	0.00067 (J)			<0.005	<0.005			
4/1/2019		5.6E-05 (J)	0.00024 (J)		0.00034 (J)			
4/2/2019	0.00094 (J)			0.00027 (J)			0.0056 (J)	0.00015 (J)
9/24/2019	0.00078 (J)	0.0012 (J)	<0.005					
9/25/2019				0.00056 (J)	0.0004 (J)			
9/26/2019							0.0093	<0.005
2/19/2020		<0.005						
2/20/2020			<0.005	<0.005			0.0092	
2/21/2020	0.00081 (J)							
2/24/2020					0.00034 (J)			<0.005
3/18/2020		<0.005						
3/19/2020	0.00091 (J)		<0.005		0.00035 (J)		0.0089	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
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	<0.005			0.0095	<0.005
9/25/2020	0.00077 (J)				0.00049 (J)			
10/1/2020						0.0018 (J)		
11/10/2020						0.0016 (J)		
12/15/2020						0.0018 (J)		
1/20/2021						0.0019 (J)		
2/16/2021		<0.005						
2/17/2021			<0.005					
2/18/2021	0.00074 (J)			<0.005		0.0013 (J)	0.0088	<0.005
2/19/2021					0.00066 (J)			
3/24/2021		<0.005	<0.005		0.00048 (J)	<0.005	0.0078	<0.005
3/30/2021	0.00085 (J)			0.00052 (J)				
8/18/2021		<0.005	<0.005	0.00042 (J)	0.00085 (J)	0.0034 (J)	0.0098	
8/19/2021	0.0008 (J)							<0.005
2/9/2022						<0.005		
2/10/2022		<0.005	<0.005					
2/11/2022	0.00068 (J)			0.00047 (J)	0.00057 (J)		0.0097	<0.005
7/26/2022		<0.005	<0.005			0.003 (J)		
7/27/2022					<0.005		0.012	<0.005
7/28/2022	0.00074 (J)			0.00058 (J)				
1/26/2023	0.00068 (J)	<0.005	<0.005		0.00045 (J)	0.0033 (J)	0.0098	<0.005
1/27/2023				0.00051 (J)				
8/16/2023		<0.005			<0.005	0.0017 (J)		
8/17/2023	0.00066 (J)		<0.005	0.00043 (J)			0.011	<0.005
2/1/2024		<0.005	<0.005	0.0004 (J)	0.00036 (J)	0.0014 (J)	0.011	<0.005
2/2/2024	0.00045 (J)							
8/16/2024	<0.005	<0.005				0.0016 (J)		
8/19/2024			<0.005		<0.005		0.011	<0.005
8/20/2024				0.00041 (J)				
2/5/2025		<0.005	<0.005		<0.005	<0.005		
2/6/2025	<0.005			<0.005			0.015	
2/7/2025								<0.005
7/31/2025		<0.005						
8/4/2025			<0.005		<0.005	0.0028 (J)		
8/5/2025	<0.005			<0.005			0.0093	<0.005
Mean	0.001795	0.004346	0.004487	0.00321	0.0029	0.002737	0.01039	0.004827
Std. Dev.	0.001887	0.001641	0.001481	0.002267	0.0023	0.001578	0.001843	0.0009166
Upper Lim.	0.00094	0.005	0.005	0.005	0.005	0.002302	0.01184	0.005
Lower Lim.	0.00068	0.0012	0.0006	0.00051	0.00048	0.00123	0.008946	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/8/2016	0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079			<0.005
6/9/2016						<0.005	0.0026	
8/12/2016	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	0.0005 (J)	<0.005						
10/10/2016			<0.005	<0.005	0.011	<0.005	0.0018 (J)	<0.005
12/6/2016	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)
2/16/2017	<0.005	<0.005						
2/17/2017			<0.005	<0.005	0.0122			
2/20/2017						<0.005	0.0027 (J)	<0.005
4/19/2017	<0.005	<0.005	<0.005	<0.005		<0.005	0.0032 (J)	
4/20/2017					0.0116			<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)	
7/14/2017	<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			
3/27/2018	<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	0.017			<0.005
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	0.0043 (J)	<0.005
2/27/2019	<0.005		<0.005					
3/1/2019		<0.005			0.017	<0.005	0.0055 (J)	<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)	0.0048 (J)	
4/4/2019								0.00022 (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)			0.0048 (J)	<0.005
2/24/2020	<0.005	<0.005	<0.005					
2/25/2020					0.017	0.00046 (J)		
2/26/2020				0.00037 (J)			0.0045 (J)	<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			0.00098 (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					
2/19/2021				0.0013 (J)	0.032	0.00044 (J)	0.0042 (J)	
2/23/2021								<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/24/2021	<0.005							
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)	
8/19/2021	<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)	
2/14/2022						<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
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							
1/27/2023		<0.005		0.0021 (J)				<0.005
1/30/2023			<0.005					
2/1/2023							0.0024 (J)	
2/2/2023						<0.005		
2/7/2023					0.017			
8/17/2023	<0.005							<0.005
8/18/2023		<0.005	<0.005					
8/22/2023					0.03			
8/23/2023				0.004 (J)		<0.005		
8/25/2023							0.0023 (J)	
1/30/2024							0.002 (J)	
2/2/2024	<0.005	<0.005						
2/5/2024			0.00034 (J)	0.003 (J)				<0.005
2/8/2024					0.014	<0.005		
8/19/2024	<0.005	0.00052 (J)						
8/20/2024			<0.005					<0.005
8/21/2024					0.017		0.0015 (J)	
8/22/2024				0.0096		0.00035 (J)		
2/6/2025			<0.005					
2/7/2025	<0.005	<0.005						
2/10/2025				0.0066				<0.005
2/11/2025						<0.005	0.0027 (J)	
2/13/2025					0.011			
8/5/2025	<0.005							
8/6/2025		<0.005						
8/7/2025			<0.005		0.012			<0.005
8/11/2025				0.01		<0.005	0.0013 (J)	
Mean	0.004208	0.004664	0.004348	0.003388	0.02074	0.003818	0.003219	0.004672
Std. Dev.	0.001733	0.001235	0.001629	0.002751	0.009669	0.002003	0.001188	0.001205
Upper Lim.	0.005	0.005	0.005	0.005	0.02396	0.005	0.003743	0.005
Lower Lim.	0.0009	0.00052	0.0008	0.00064	0.01588	0.0015	0.002695	0.0006

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
1/23/2017	0.0012 (J)							
2/7/2017	0.0008 (J)							
3/27/2017	0.001 (J)							
4/17/2017	0.0009 (J)							
5/22/2017	0.0008 (J)							
6/5/2017	0.0008 (J)							
7/11/2017	0.0008 (J)							
8/23/2017	0.0006 (J)							
3/26/2018	<0.005							
6/15/2018	<0.005							
10/17/2018						0.00057 (J)		
10/18/2018		0.00079 (J)						
10/19/2018				0.0012 (J)				
10/22/2018	<0.005		0.0037 (J)		<0.005			
3/1/2019	<0.005							
4/2/2019	0.00022 (J)					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	<0.005					0.0009 (J)		
11/15/2019			0.0077					
2/25/2020					0.0011 (J)			
2/26/2020	<0.005	0.00031 (J)				0.00058 (J)		
2/27/2020			0.00095 (J)	<0.005			0.014	
2/28/2020								0.00049 (J)
3/23/2020	<0.005	0.00036 (J)				0.00049 (J)		
3/24/2020			0.0037 (J)	0.00039 (J)			0.0065	
3/25/2020					0.00046 (J)			0.00056 (J)
9/2/2020							0.0043 (J)	
9/25/2020	<0.005		0.0081		0.00082 (J)			
9/28/2020		0.00046 (J)		0.00048 (J)		0.00038 (J)		
9/29/2020								0.00044 (J)
2/19/2021				0.00057 (J)				
2/22/2021		<0.005			0.0011 (J)			0.0006 (J)
2/23/2021			0.0062					
3/8/2021	<0.005					<0.005		
3/9/2021							0.0014 (J)	
3/25/2021	<0.005					<0.005		
3/26/2021					0.0015 (J)			
3/29/2021		<0.005					0.0015 (J)	
3/30/2021			0.0014 (J)	0.00065 (J)				0.00052 (J)
7/20/2021	<0.005							
8/19/2021	0.002 (J)						0.004 (J)	
8/20/2021		<0.005			0.0018 (J)			
8/23/2021						<0.005		
8/24/2021				0.00085 (J)				0.00061 (J)
8/25/2021			0.0018 (J)					
11/1/2021	<0.005						0.0033 (J)	
2/14/2022	<0.005					<0.005	0.0019 (J)	
2/16/2022		<0.005	<0.005	0.001 (J)				0.00052 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
2/17/2022					0.0024 (J)			
7/28/2022		<0.005		0.0012 (J)	0.0038 (J)			0.00042 (J)
7/29/2022			0.0022 (J)			<0.005		
8/1/2022	<0.005							
8/2/2022							0.0019 (J)	
1/27/2023		<0.005						
1/30/2023				0.0014 (J)	0.0029 (J)			
1/31/2023			0.0029 (J)					0.00046 (J)
2/1/2023	<0.005					<0.005		
2/7/2023							0.0014 (J)	
8/18/2023		<0.005	0.001 (J)	0.0014 (J)				<0.005
8/21/2023	<0.005					<0.005	0.0017 (J)	
8/24/2023					0.0017 (J)			
1/30/2024						<0.005		
2/2/2024		<0.005						
2/5/2024				0.0013 (J)				
2/6/2024	<0.005						0.0016 (J)	
2/7/2024					0.0044 (J)			0.00034 (J)
2/8/2024			0.0054					
8/19/2024		<0.005						
8/20/2024				0.0012 (J)		<0.005		0.00033 (J)
8/21/2024			0.0046 (J)					
8/22/2024	<0.005				0.0013 (J)		0.001 (J)	
2/5/2025						<0.005		
2/6/2025		<0.005		0.0017 (J)				
2/10/2025	<0.005							<0.005
2/11/2025					0.0019 (J)		0.0018 (J)	
2/12/2025			0.0032 (J)					
8/5/2025	<0.005							
8/6/2025							<0.005	
8/7/2025				0.0016 (J)		<0.005		
8/8/2025		<0.005						<0.005
8/11/2025					<0.005			
8/12/2025			<0.005					
Mean	0.003637	0.003402	0.004561	0.001198	0.001952	0.003472	0.003253	0.001449
Std. Dev.	0.001977	0.002232	0.00308	0.0006386	0.001046	0.002138	0.003319	0.001926
Upper Lim.	0.005	0.005	0.006364	0.001598	0.002607	0.005	0.003929	0.005
Lower Lim.	0.0012	0.00046	0.002757	0.0007975	0.001296	0.00058	0.001523	0.00042

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-52
9/3/2020	0.002 (J)			
1/28/2021				0.0048 (J)
2/23/2021				0.0033 (J)
3/8/2021	0.0043 (J)			
3/29/2021	0.0057			
3/30/2021				0.0031 (J)
4/19/2021		0.00079 (J)	0.0013 (J)	
7/20/2021	0.0057			
8/18/2021			0.0016 (J)	
8/23/2021	0.0051			0.0036 (J)
8/24/2021		0.001 (J)		
2/9/2022			0.00079 (J)	
2/14/2022				0.00044 (J)
2/15/2022	0.0038 (J)			
2/17/2022		0.00088 (J)		
7/26/2022			0.00072 (J)	
7/28/2022				0.00082 (J)
8/1/2022	0.0024 (J)	0.00065 (J)		
1/25/2023			0.00066 (J)	
1/31/2023				0.0045 (J)
2/1/2023		0.00089 (J)		
2/7/2023	0.0016 (J)			
8/15/2023			0.0004 (J)	
8/22/2023		0.00093 (J)		0.0035 (J)
8/23/2023	0.0031 (J)			
1/30/2024	0.0024 (J)			
1/31/2024			0.00036 (J)	
2/5/2024				0.00035 (J)
2/6/2024		0.0011 (J)		
8/16/2024			0.00069 (J)	
8/20/2024				0.00042 (J)
8/21/2024	0.0019 (J)	0.00098 (J)		
2/5/2025			<0.005	
2/7/2025				0.0014 (J)
2/10/2025		<0.005		
2/11/2025	0.0026 (J)			
7/31/2025			0.0013 (J)	
8/6/2025		<0.005		
8/7/2025	0.0023 (J)			
8/11/2025				0.0014 (J)
Mean	0.0033	0.001722	0.001032	0.002303
Std. Dev.	0.001463	0.001732	0.0006569	0.001664
Upper Lim.	0.004388	0.005	0.001618	0.003608
Lower Lim.	0.002212	0.00079	0.0004459	0.0009967

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.488					
6/7/2016		0.0507 (U)		0.616	0.024 (U)		0.284 (U)	0.135 (U)
6/8/2016	0.854							
8/10/2016		0.862						
8/11/2016	1.24		0.639				1.71	0.808
8/12/2016					0.849			
8/16/2016				1.08				
10/4/2016		0.48						
10/5/2016			0.945					
10/6/2016	2.43				1.57			
10/7/2016				2.82			0.485	0.874
12/2/2016		0.219						
12/5/2016			2.2		0.956			
12/6/2016	0.958			0.719			1.22	0.131
2/14/2017		0.636						
2/15/2017	1.18		0.74		0.229			
2/16/2017				0.966			0.19	0.471
4/14/2017		0.13						
4/17/2017			0.764					
4/18/2017	1.26			1.01	0.0114		0.52	
4/19/2017								0.65
5/26/2017		0.349	0.245					
5/30/2017							1.21	0.65
6/2/2017	1.24			1.13	0.375			
7/10/2017		0.565 (U)						
7/11/2017			0.502 (U)					
7/12/2017				1.29				
7/13/2017					0.636 (U)			
7/14/2017	1.55						0.526 (U)	0.592 (U)
3/26/2018		0.303 (U)						
3/27/2018	2.15		0.745 (U)	0.779 (U)			1.34	0.551 (U)
3/28/2018					0.36 (U)			
6/12/2018		0.494 (U)	0.319 (U)				0.732 (U)	
6/13/2018	1.95							
6/14/2018				1.22	0.316 (U)			0.638 (U)
10/16/2018		0.633 (U)						
10/17/2018			0.319 (U)		0.326 (U)			0.555 (U)
10/18/2018	1.1			0.841 (U)			0.522 (U)	
2/25/2019		1.03 (U)					1.08	
2/27/2019								1.57
2/28/2019	1.38			1.88	1.04			
4/1/2019		0.474 (U)	0.225 (U)		0.328 (U)			
4/2/2019	1.57			1.21 (U)			1.73	0.71 (U)
9/24/2019	1.85	1.69	1.65					
9/25/2019				0.816 (U)	0.649 (U)			
9/26/2019							1.45	1.17 (U)
2/19/2020		1.02 (U)						
2/20/2020			0.921 (U)	1.47			1.22	
2/21/2020	2.02							
2/24/2020					0.455 (U)			1.17
3/18/2020		0.987 (U)						
3/19/2020	1.18		1.94		0.838 (U)		1.63	0.626 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
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		0.25 (U)						
9/24/2020			0.9 (U)	1.19 (U)			0.469 (U)	0.594 (U)
9/25/2020	1.64				0.818 (U)			
10/1/2020						1.19 (U)		
11/10/2020						0.675 (U)		
12/15/2020						1.26		
1/20/2021						0.701 (U)		
2/16/2021		0.709 (U)						
2/17/2021			0.692 (U)					
2/18/2021	1.09			1.52		1	0.721 (U)	0.723 (U)
2/19/2021					0.608 (U)			
3/24/2021		0.808 (U)	0.554 (U)		0.369 (U)	1.1 (U)	0.92 (U)	0.391 (U)
3/30/2021	1.41 (U)			1.51 (U)				
8/18/2021		0.192 (U)	0.458 (U)	1.26	0.19 (U)	0.721 (U)	1.05	
8/19/2021	0.952 (U)							0.742 (U)
2/9/2022						0.355 (U)		
2/10/2022		0.813	0.86					
2/11/2022	1.26			1.01 (U)	0.288 (U)		1.03	0.208 (U)
7/26/2022		0.523 (U)	0.866 (U)			0.659 (U)		
7/27/2022					0.705 (U)		0.917 (U)	0.138 (U)
7/28/2022	1.22 (U)			1.18 (U)				
1/26/2023	1.73	0.629 (U)	0.248 (U)		0.664 (U)	1.31	1.21 (U)	1.02 (U)
1/27/2023				1.82				
8/16/2023		0.791 (U)			0.621 (U)	0.263 (U)		
8/17/2023	1.45		0.711 (U)	0.942 (U)			1.21 (U)	1.04 (U)
2/1/2024		0.496 (U)	0.699 (U)	1.03 (U)	0.281 (U)	0.433 (U)	1.34	0.808 (U)
2/2/2024	1.04							
8/16/2024	1.55	0.76 (U)				0.673 (U)		
8/19/2024			0.429 (U)		0.824 (U)		0.705 (U)	0.294 (U)
8/20/2024				0.882 (U)				
2/5/2025		0.641 (U)	0.831 (U)		0.466 (U)	0.164 (U)		
2/6/2025	1.51			1.4			0.712 (U)	
2/7/2025								1.11 (U)
7/31/2025		0.661 (U)						
8/4/2025			0.655 (U)		1.31 (U)	0.472 (U)		
8/5/2025	1.06 (U)			1.08 (U)			0.307 (U)	1 (U)
Mean	1.422	0.6141	0.7609	1.227	0.5752	0.8196	0.9443	0.6918
Std. Dev.	0.3897	0.3389	0.4799	0.4471	0.365	0.4996	0.4402	0.3508
Upper Lim.	1.604	0.7725	0.9143	1.392	0.7458	1.112	1.15	0.8557
Lower Lim.	1.24	0.4558	0.5162	1.011	0.4047	0.527	0.7386	0.5278

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
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	
8/12/2016	1.39	1.18	1.74					
8/15/2016								1.2
8/18/2016				0.44	2.47	1.88	2.67	
10/7/2016	0.451	1.97						
10/10/2016			0.944	0.933	2.11	1.48	3.46	1.03
12/6/2016	0.516							
12/7/2016		1.31	2.29			2.61	1.65	
12/8/2016				1.02	2.64			1.47
2/16/2017	0.172	0.35						
2/17/2017			1.35	0.193	1.34			
2/20/2017						0.884	2.68	0.547
4/19/2017	0.704	0.974	1.48	0.488		0.948	3.81	
4/20/2017					2.35			0.0595
6/1/2017	0.493	0.332	1.61	0.837				0.67
6/5/2017					1.6	1.33	2.86	
7/14/2017	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			
3/27/2018	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	0.989 (U)			0.583 (U)	2.14			0.721 (U)
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	2.18	0.741 (U)
2/27/2019	1.12		1.24					
3/1/2019		0.989 (U)			3.32	2.24	3.37	0.634 (U)
4/2/2019	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	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	1.07	1.19	1.38					
2/25/2020					1.7	2.49		
2/26/2020				1.08 (U)			2.4	1.16
3/20/2020	2.59	0.89 (U)		1.08 (U)	3.6			
3/23/2020			1.27			1.68		
3/24/2020								0.899 (U)
3/25/2020							4.72	
9/24/2020	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	0.62 (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)
3/24/2021	1.21 (U)							

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
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	0.858 (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)	
2/14/2022						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	0.737 (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	1.46							
1/27/2023		1.16		0.28 (U)				0.768 (U)
1/30/2023			0.563 (U)					
2/1/2023							1.3	
2/2/2023						0.783 (U)		
2/7/2023					1.45			
8/17/2023	1.16 (U)							0.909 (U)
8/18/2023		1.49 (U)	0.256 (U)					
8/22/2023					2.43			
8/23/2023				0.704 (U)		0.799 (U)		
8/25/2023							1.63 (U)	
1/30/2024							0.782 (U)	
2/2/2024	0.612 (U)	0.716 (U)						
2/5/2024			0.956 (U)	0.455 (U)				0.396 (U)
2/8/2024					2.05	1.27 (U)		
8/19/2024	0.737 (U)	0.26 (U)						
8/20/2024			0.979 (U)					0.246 (U)
8/21/2024					1.5		0.991 (U)	
8/22/2024				0.262 (U)		0.718 (U)		
2/6/2025			1.1					
2/7/2025	0.737 (U)	0.952 (U)						
2/10/2025				1.23 (U)				0.747 (U)
2/11/2025						1.18 (U)	2.6	
2/13/2025					1.6			
8/5/2025	0.697 (U)							
8/6/2025		0.315 (U)						
8/7/2025			0.946 (U)		1.78			0.378 (U)
8/11/2025				0.58 (U)		0.43 (U)	0.669 (U)	
Mean	0.8573	0.8708	1.098	0.6516	2.32	1.367	2.727	0.6952
Std. Dev.	0.452	0.4277	0.4671	0.3191	0.7886	0.6811	2.463	0.3658
Upper Lim.	1.007	1.071	1.316	0.8038	2.688	1.685	2.948	0.8662
Lower Lim.	0.6341	0.6709	0.8795	0.4994	1.952	1.048	1.64	0.5243

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
1/23/2017	2.71							
2/7/2017	3							
4/17/2017	2.73							
5/22/2017	3.15							
6/5/2017	0.86							
7/11/2017	1.87							
8/23/2017	3.39							
3/26/2018	1.61							
6/15/2018	0.815 (U)							
10/17/2018						1.24		
10/18/2018		0.96						
10/19/2018				2.28				
10/22/2018	1.02 (U)		1.22 (U)		1.54			
3/1/2019	2.47							
4/2/2019	2.29					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	1.23 (U)					1.66		
2/25/2020					4.16			
2/26/2020	1.09 (U)	1.31				1.76		
2/27/2020			1.44	1.31			5.89	
2/28/2020								0.649 (U)
3/23/2020	1.42	2.39				2.75		
3/24/2020			1.25	2.56			5.9	
3/25/2020					2.81			0.848 (U)
9/2/2020							5.91	
9/25/2020	0.783 (U)		2.62		2.15			
9/28/2020		1.48		2.12		1.59		
9/29/2020								0.441 (U)
2/19/2021				2.23				
2/22/2021		1.07 (U)			2.03			1.31 (U)
2/23/2021			1.55					
3/8/2021	0.429 (U)					2.09		
3/9/2021							3.34	
3/25/2021	1.48					2.43		
3/26/2021					2.4			
3/29/2021		1.63					3.54	
3/30/2021			2.04	1.35 (U)				0.826 (U)
8/19/2021	1.63						4.63	
8/20/2021		1.82			2.53			
8/23/2021						0.857 (U)		
8/24/2021				2.39				0.21 (U)
8/25/2021			0.784 (U)					
2/14/2022	0.744 (U)					1.43	4.6	
2/16/2022		1.02	1.16 (U)	2.24				0.473 (U)
2/17/2022					1.88			
7/28/2022		0.684 (U)		2.74	2.71			0.656 (U)
7/29/2022			1.82			1.47 (U)		
8/1/2022	1.01 (U)							
8/2/2022							3.64	

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
1/27/2023		1.46						
1/30/2023				2.58	2.3			
1/31/2023			1.49					0.498 (U)
2/1/2023	0.936					1.17		
2/7/2023							2.93	
8/18/2023		1.82	1.24 (U)	2.36				1.14 (U)
8/21/2023	0.986 (U)					1.19 (U)	3.26	
8/24/2023					3.09			
1/30/2024						1.07		
2/2/2024		1.3						
2/5/2024				2.21				
2/6/2024	0.255 (U)						3.19	
2/7/2024					2.74			0.563 (U)
2/8/2024			0.939 (U)					
8/19/2024		0.674 (U)						
8/20/2024				1.7		0.895 (U)		0.27 (U)
8/21/2024			1.19					
8/22/2024	0.713 (U)				2.08		2.4	
2/5/2025						1.19		
2/6/2025		1.33		2.75				
2/10/2025	0.708 (U)							0.803 (U)
2/11/2025					2.71		2.44	
2/12/2025			1.28					
8/5/2025	0.486 (U)							
8/6/2025							3.78	
8/7/2025				2.56		1.5 (U)		
8/8/2025		1.35						0.49 (U)
8/11/2025					2.08			
8/12/2025			0.966 (U)					
Mean	1.475	1.38	1.503	2.309	2.51	1.594	3.961	0.6555
Std. Dev.	0.9088	0.4321	0.5283	0.6074	0.6001	0.6011	1.232	0.3086
Upper Lim.	1.908	1.651	1.834	2.689	2.886	1.971	4.833	0.8741
Lower Lim.	1.041	1.11	1.172	1.928	2.134	1.218	3.088	0.4369

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
9/3/2020	1.9					
1/28/2021				0.444 (U)	1.59	
2/23/2021				0.589 (U)	0.567 (U)	
3/8/2021	1.34					
3/29/2021	1.62 (U)					
3/30/2021				0.852 (U)	1.66 (U)	
4/19/2021		2.45	1.01 (U)			
8/18/2021			0.99 (U)			
8/23/2021	1.93			0.558 (U)	0.785 (U)	
8/24/2021		3.66				
2/9/2022			1.4			
2/14/2022				0.487 (U)	0.224 (U)	
2/15/2022	0.96 (U)					
2/17/2022		2.41				
7/26/2022			1 (U)			
7/28/2022					1.02 (U)	
8/1/2022	1.38	2.36		0.642 (U)		
8/2/2022						1.68
1/25/2023			0.588 (U)			
1/31/2023				0.707 (U)	0.58 (U)	
2/1/2023		1.57				
2/2/2023						0.748 (U)
2/7/2023	1.53					
8/15/2023			1.47			
8/21/2023				0.283 (U)		
8/22/2023		2.97			0.886 (U)	
8/23/2023	1.79					
1/30/2024	1.1					
1/31/2024			1.01 (U)			
2/5/2024				0.406 (U)	0.587 (U)	
2/6/2024		2.25				
8/16/2024			0.735 (U)			
8/20/2024				0.268 (U)	0.375 (U)	
8/21/2024	1.21	2.88				
8/22/2024						0.686 (U)
2/5/2025			1.15			
2/6/2025				0.876 (U)		
2/7/2025					0.13 (U)	1.29
2/10/2025		2.08				
2/11/2025	1.16					
7/31/2025			1.11			
8/6/2025		1.86				
8/7/2025	1.7					
8/11/2025					1.15	0.608 (U)
8/13/2025				0.581 (U)		
Mean	1.468	2.449	1.046	0.5578	0.7962	1.002
Std. Dev.	0.3252	0.5989	0.2655	0.1952	0.491	0.4643
Upper Lim.	1.724	2.983	1.283	0.7109	1.181	1.78
Lower Lim.	1.213	1.915	0.8094	0.4046	0.4109	0.2244

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			0.12 (J)					
6/7/2016		<0.1		0.09 (J)	<0.1		<0.1	0.15 (J)
6/8/2016	0.19 (J)							
8/10/2016		0.07 (J)						
8/11/2016	0.15 (J)		0.27 (J)				0.12 (J)	0.3 (J)
8/12/2016					0.08 (J)			
8/16/2016				0.09 (J)				
10/4/2016		0.07 (J)						
10/5/2016			0.12 (J)					
10/6/2016	0.17 (J)				0.06 (J)			
10/7/2016				0.17 (J)			0.08 (J)	0.14 (J)
12/2/2016		0.09 (J)						
12/5/2016			0.26 (J)		0.12 (J)			
12/6/2016	0.22 (J)			0.16 (J)			0.24 (J)	0.19 (J)
2/14/2017		0.02 (J)						
2/15/2017	0.18 (J)		0.46		0.33			
2/16/2017				0.38			0.31	0.51
4/14/2017		0.02 (J)						
4/17/2017			0.14 (J)					
4/18/2017	0.11 (J)			0.12 (J)	0.006 (J)		0.02 (J)	
4/19/2017								0.18 (J)
5/26/2017		0.02 (J)	0.13 (J)					
5/30/2017							0.51	0.15 (J)
6/2/2017	0.07 (J)			0.03 (J)	0.04 (J)			
7/10/2017		0.03 (J)						
7/11/2017			0.2 (J)					
7/12/2017				0.15 (J)				
7/13/2017					0.17 (J)			
7/14/2017	0.23 (J)						0.14 (J)	0.16 (J)
10/10/2017		<0.1	0.61		0.08 (J)			
10/11/2017	0.1 (J)			0.07 (J)			0.29 (J)	0.64
3/26/2018		<0.1						
3/27/2018	<0.3		0.36	<0.1			<0.1	0.33
3/28/2018					<0.1			
6/12/2018		0.061 (J)	0.13 (J)				0.061 (J)	
6/13/2018	0.25 (J)							
6/14/2018				0.046 (J)	<0.1			0.11 (J)
10/16/2018		<0.1						
10/17/2018			0.13 (J)		<0.1			<0.3
10/18/2018	0.047 (J)			<0.1			<0.1	
2/25/2019		<0.1					0.13 (J)	
2/27/2019								0.26 (J)
2/28/2019	0.23 (J)			0.14 (J)	0.18 (J)			
4/1/2019		<0.1	0.33		0.065 (J)			
4/2/2019	0.22 (J)			0.044 (J)			0.23 (J)	0.14 (J)
9/24/2019	0.12 (J)	<0.1	0.096 (J)					
9/25/2019				0.075 (J)	0.13 (J)			
9/26/2019							<0.1	0.071 (J)
2/19/2020		<0.1						
2/20/2020			0.063 (J)	<0.1			<0.1	
2/21/2020	0.12 (J)							
2/24/2020					0.051 (J)			0.11 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
3/18/2020		<0.1						
3/19/2020	0.12 (J)		0.074 (J)		<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)		
9/23/2020		<0.1						
9/24/2020			0.091 (J)	<0.1			0.059 (J)	0.12
9/25/2020	0.11				<0.1			
10/1/2020						<0.1		
11/10/2020						<0.1		
12/15/2020						0.052 (J)		
1/20/2021						<0.1		
2/16/2021		<0.1						
2/17/2021			0.086 (J)					
2/18/2021	0.13			<0.1		0.055 (J)	0.064 (J)	0.1
2/19/2021					<0.1			
3/24/2021		<0.1	0.075 (J)		<0.1	<0.1	0.053 (J)	0.11
3/30/2021	0.18			<0.1				
8/18/2021		<0.1	0.073 (J)	<0.1	<0.1	<0.1	<0.1	
8/19/2021	0.12							0.097 (J)
2/9/2022						<0.1		
2/10/2022		<0.1	0.071 (J)					
2/11/2022	0.12			<0.1	<0.1		0.056 (J)	0.1
7/26/2022		0.067 (J)	0.11			0.082 (J)		
7/27/2022					0.081 (J)		0.091 (J)	0.13
7/28/2022	0.16			0.064 (J)				
1/26/2023	0.15	0.063 (J)	0.09 (J)		0.083 (J)	0.084 (J)	0.091 (J)	0.13
1/27/2023				0.058 (J)				
8/16/2023		0.064 (J)			0.089 (J)	0.076 (J)		
8/17/2023	0.14		0.091 (J)	0.05 (J)			0.074 (J)	0.12
2/1/2024		0.051 (J)	0.074 (J)	0.051 (J)	0.071 (J)	0.066 (J)	0.072 (J)	0.12
2/2/2024	0.15							
8/16/2024	0.17	0.066 (J)				0.082 (J)		
8/19/2024			0.1		0.088 (J)		0.1	0.14
8/20/2024				0.067 (J)				
2/5/2025		0.073 (J)	0.11		0.1	0.085 (J)		
2/6/2025	0.18			0.068 (J)			0.12	
2/7/2025								0.17
7/31/2025		0.055 (J)						
8/4/2025			0.11		0.1	0.084 (J)		
8/5/2025	0.15			0.055 (J)			0.086 (J)	0.14
Mean	0.153	0.07655	0.1634	0.09924	0.1008	0.08379	0.1258	0.1789
Std. Dev.	0.04827	0.0278	0.1324	0.06441	0.05532	0.017	0.1015	0.1252
Upper Lim.	0.1751	0.1	0.14	0.0979	0.1	0.1	0.1209	0.17
Lower Lim.	0.1309	0.063	0.09	0.0565	0.08	0.065	0.06367	0.12

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
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	
8/12/2016	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	0.16 (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	0.32							
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)
2/16/2017	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)
4/19/2017	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)
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)	
7/14/2017	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			
10/11/2017	0.14 (J)	0.11 (J)	<0.1			0.09 (J)	1.8	0.11 (J)
10/12/2017				0.12 (J)	0.31			
3/27/2018	<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	0.095 (J)			<0.1	0.15 (J)			<0.1
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	3.1	<0.1
2/27/2019	<0.1		0.13 (J)					
3/1/2019		0.14 (J)			0.34	0.38	1	0.12 (J)
4/2/2019	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	0.052 (J)	<0.1	<0.1					
9/27/2019					1	0.54		
9/30/2019				0.066 (J)			1.2	0.065 (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			0.064 (J)	<0.1
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	0.058 (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					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/19/2021				<0.1	0.2	<0.1	0.14	
2/23/2021								<0.1
3/24/2021	<0.1							
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	
8/19/2021	<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	
2/14/2022						<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	0.081 (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	
1/26/2023	0.056 (J)							
1/27/2023		0.077 (J)		<0.1				0.053 (J)
1/30/2023			0.064 (J)					
2/1/2023							0.18	
2/2/2023						0.074 (J)		
2/7/2023					0.26			
8/17/2023	0.056 (J)							<0.1
8/18/2023		0.077 (J)	0.068 (J)					
8/22/2023					0.23			
8/23/2023				<0.1		<0.1		
8/25/2023							0.15	
1/30/2024							0.13	
2/2/2024	<0.1	0.069 (J)						
2/5/2024			0.056 (J)	<0.1				<0.1
2/8/2024					0.19	0.059 (J)		
8/19/2024	0.081 (J)	<0.1						
8/20/2024			0.072 (J)					0.055 (J)
8/21/2024					0.22		0.17	
8/22/2024				<0.1		<0.1		
2/6/2025			0.077 (J)					
2/7/2025	0.074 (J)	0.083 (J)						
2/10/2025				0.078 (J)				0.066 (J)
2/11/2025						0.056 (J)	0.17	
2/13/2025					0.29			
8/5/2025	0.077 (J)							
8/6/2025		0.076 (J)						
8/7/2025			0.061 (J)		0.27			<0.1
8/11/2025				<0.1		0.074 (J)	0.19	
Mean	0.1154	0.1096	0.1081	0.087	0.3497	0.1488	0.6668	0.08931
Std. Dev.	0.08993	0.09994	0.1194	0.02383	0.2584	0.1911	0.9973	0.02946
Upper Lim.	0.1	0.1	0.1	0.1	0.33	0.1	0.65	0.1
Lower Lim.	0.074	0.071	0.062	0.08	0.23	0.068	0.097	0.066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
1/23/2017	0.06 (J)							
2/7/2017	0.09 (J)							
3/27/2017	0.09 (J)							
4/17/2017	0.36							
5/22/2017	0.05 (J)							
6/5/2017	0.32							
7/11/2017	0.13 (J)							
8/23/2017	0.17 (J)							
10/10/2017	0.35							
3/26/2018	0.75							
6/15/2018	0.51							
10/17/2018						<0.3		
10/18/2018		<0.1						
10/19/2018				<0.1				
10/22/2018	0.44		0.65		0.91			
3/1/2019	0.24 (J)							
4/2/2019	0.68					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	0.13 (J)					0.26 (J)		
11/15/2019			0.51					
12/16/2019								0.13 (J)
2/25/2020					0.14 (J)			
2/26/2020	0.057 (J)	<0.1				0.13 (J)		
2/27/2020			0.13 (J)	<0.1			0.55	
2/28/2020								0.062 (J)
3/23/2020	0.054 (J)	<0.1				0.13 (J)		
3/24/2020			0.13 (J)	<0.1			0.61	
3/25/2020					0.17 (J)			<0.1
9/2/2020							0.47	
9/25/2020	<0.1		0.097 (J)		0.17			
9/28/2020		<0.1		<0.1		0.1		
9/29/2020								<0.1
2/19/2021				<0.1				
2/22/2021		<0.1			0.21			<0.1
2/23/2021			0.13					
3/8/2021	<0.1					0.14		
3/9/2021							0.67	
3/25/2021	<0.1					0.12		
3/26/2021					0.13			
3/29/2021		<0.1					0.73	
3/30/2021			0.14	<0.1				0.06 (J)
7/20/2021	<0.1							
8/19/2021	<0.1						0.4	
8/20/2021		<0.1			0.22			
8/23/2021						0.11		
8/24/2021				<0.1				0.076 (J)
8/25/2021			0.15					
11/1/2021	0.055 (J)						0.32	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40
2/14/2022	0.075 (J)					0.12	0.34	
2/16/2022		<0.1	0.13	<0.1				0.068 (J)
2/17/2022					0.21			
7/28/2022		<0.1		0.053 (J)	0.23			0.092 (J)
7/29/2022			0.16			0.14		
8/1/2022	0.09 (J)							
8/2/2022							0.46	
1/27/2023		<0.1						
1/30/2023				0.06 (J)	0.17			
1/31/2023			0.13					0.084 (J)
2/1/2023	0.092 (J)					0.13		
2/7/2023							0.11	
8/18/2023		<0.1	0.14	0.052 (J)				0.089 (J)
8/21/2023	0.065 (J)					0.11	0.12	
8/24/2023					0.1			
1/30/2024						0.096 (J)		
2/2/2024		<0.1						
2/5/2024				<0.1				
2/6/2024	0.073 (J)						0.25	
2/7/2024					0.15			0.072 (J)
2/8/2024			0.12					
8/19/2024		0.051 (J)						
8/20/2024				0.057 (J)		0.13		0.078 (J)
8/21/2024			0.13					
8/22/2024	0.087 (J)				0.15		0.58	
2/5/2025						0.14		
2/6/2025		0.055 (J)		0.065 (J)				
2/10/2025	0.091 (J)							0.085 (J)
2/11/2025					0.16		0.61	
2/12/2025			0.14					
8/5/2025	0.073 (J)							
8/6/2025							0.4	
8/7/2025				<0.1		0.14		
8/8/2025		<0.1						0.059 (J)
8/11/2025					0.14			
8/12/2025			0.089 (J)					
Mean	0.1833	0.09447	0.2677	0.08365	0.2135	0.1521	0.4413	0.08367
Std. Dev.	0.1868	0.01562	0.3082	0.02354	0.1847	0.08236	0.1895	0.01919
Upper Lim.	0.17	0.1	0.51	0.1	0.22	0.15	0.5698	0.09051
Lower Lim.	0.075	0.055	0.12	0.057	0.13	0.11	0.3129	0.06682

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
5/4/2020	0.93					
5/20/2020	0.78					
9/3/2020	0.87					
1/28/2021				0.17	0.1	
2/23/2021				0.087 (J)	0.073 (J)	
3/8/2021	0.9					
3/29/2021	1					
3/30/2021				0.11	0.12	
4/19/2021		0.055 (J)	0.078 (J)			
7/20/2021	1.2					
8/18/2021			<0.1			
8/23/2021	1.2			0.084 (J)	0.093 (J)	
8/24/2021		<0.1				
2/9/2022			0.08 (J)			
2/14/2022				0.13	0.1	
2/15/2022	0.89					
2/17/2022		<0.1				
4/28/2022						<0.1
7/26/2022			0.12			
7/28/2022					0.14	
8/1/2022	0.86	0.087 (J)		0.16		
8/2/2022						0.055 (J)
1/25/2023			0.16			
1/31/2023				0.15	0.14	
2/1/2023		0.085 (J)				
2/2/2023						<0.1
2/7/2023	0.97					
8/15/2023			0.14			
8/21/2023				0.14		
8/22/2023		<0.1			0.098 (J)	
8/23/2023	1.1					
1/30/2024	0.82					
1/31/2024			0.12			
2/5/2024				0.13	0.085 (J)	
2/6/2024		0.063 (J)				
8/16/2024			0.085 (J)			
8/20/2024				0.18	0.14	
8/21/2024	0.81	0.074 (J)				
8/22/2024						0.071 (J)
2/5/2025			0.15			
2/6/2025				0.19		
2/7/2025					0.14	0.062 (J)
2/10/2025		0.087 (J)				
2/11/2025	0.89					
7/31/2025			0.076 (J)			
8/6/2025		0.061 (J)				
8/7/2025	0.94					
8/11/2025					0.13	0.051 (J)
8/13/2025				0.18		
Mean	0.944	0.0812	0.1059	0.1426	0.1133	0.07317
Std. Dev.	0.1309	0.01706	0.03702	0.03576	0.0245	0.02187
Upper Lim.	1.033	0.08105	0.1389	0.1706	0.1325	0.07018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	PZ-7
Lower Lim.	0.8553	0.05969	0.07287	0.1145	0.09403	0.04932

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
6/6/2016		<0.001						
6/7/2016	<0.001		<0.001	<0.001		<0.001	<0.001	
6/8/2016								<0.001
8/10/2016	<0.001							
8/11/2016		<0.001				<0.001	<0.001	
8/12/2016				0.0001 (J)				0.0001 (J)
8/16/2016			<0.001					
10/4/2016	<0.001							
10/5/2016		0.0005 (J)						
10/6/2016				0.0002 (J)				
10/7/2016			<0.001			<0.001	<0.001	<0.001
12/2/2016	<0.001							
12/5/2016		0.0002 (J)		0.0003 (J)				
12/6/2016			<0.001			<0.001	<0.001	0.0001 (J)
2/14/2017	<0.001							
2/15/2017		<0.001		<0.001				
2/16/2017			<0.001			<0.001	<0.001	0.0002 (J)
4/14/2017	<0.001							
4/17/2017		0.0001 (J)						
4/18/2017			<0.001	<0.001		<0.001		
4/19/2017							<0.001	0.0001 (J)
5/26/2017	0.0003 (J)	0.0001 (J)						
5/30/2017						0.0001 (J)	<0.001	
6/1/2017								9E-05 (J)
6/2/2017			<0.001	0.0001 (J)				
7/10/2017	<0.001							
7/11/2017		<0.001						
7/12/2017			<0.001					
7/13/2017				0.0001 (J)				
7/14/2017						0.0002 (J)	<0.001	0.0001 (J)
3/26/2018	<0.001							
3/27/2018		<0.001	<0.001			<0.001	<0.001	<0.001
3/28/2018				<0.001				
2/25/2019	<0.001					<0.001		
2/27/2019							<0.001	<0.001
2/28/2019			<0.001	<0.001				
4/1/2019	<0.001	9.2E-05 (J)		<0.001				
4/2/2019			<0.001			<0.001	<0.001	8.1E-05 (J)
9/24/2019	<0.001	5.6E-05 (J)						
9/25/2019			0.00019 (J)	0.00063 (J)				
9/26/2019						0.00034 (J)	<0.001	<0.001
2/19/2020	0.00014 (J)							
2/20/2020		8.2E-05 (J)	0.00014 (J)			0.00014 (J)		
2/24/2020				<0.001			7.9E-05 (J)	<0.001
3/18/2020	<0.001							
3/19/2020		6.3E-05 (J)		<0.001		0.00013 (J)	<0.001	
3/20/2020								<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			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
9/23/2020	<0.001							
9/24/2020		<0.001	<0.001			0.00021 (J)	<0.001	<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			
2/16/2021	0.0001 (J)							
2/17/2021		7.5E-05 (J)						
2/18/2021			<0.001		<0.001	0.00013 (J)	<0.001	<0.001
2/19/2021				8.7E-05 (J)				
3/24/2021	0.00015 (J)	<0.001		0.00013 (J)	<0.001	8E-05 (J)	<0.001	<0.001
3/30/2021			<0.001					
8/18/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
8/19/2021							<0.001	<0.001
2/9/2022					<0.001			
2/10/2022	<0.001	<0.001						
2/11/2022			<0.001	<0.001		<0.001	<0.001	
2/16/2022								<0.001
7/26/2022	<0.001	<0.001			<0.001			
7/27/2022				<0.001		<0.001	<0.001	<0.001
7/28/2022			<0.001					
1/26/2023	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1/27/2023			<0.001					
8/16/2023	<0.001			<0.001	<0.001			
8/17/2023		<0.001	<0.001			0.00041 (J)	<0.001	<0.001
2/1/2024	<0.001	<0.001	<0.001	<0.001	<0.001	0.00055 (J)	<0.001	
2/2/2024								<0.001
8/16/2024	<0.001				<0.001			
8/19/2024		<0.001		<0.001		0.00021 (J)	<0.001	<0.001
8/20/2024			<0.001					
2/5/2025	<0.001	<0.001		<0.001	<0.001			
2/6/2025			<0.001			0.00027 (J)		
2/7/2025							<0.001	<0.001
7/31/2025	<0.001							
8/4/2025		<0.001		<0.001	<0.001			
8/5/2025			<0.001			0.0003 (J)	<0.001	<0.001
Mean	0.0008727	0.0006907	0.0009358	0.0007557	0.0008053	0.0006181	0.0009646	0.0007604
Std. Dev.	0.000306	0.0004287	0.000227	0.0003865	0.0003875	0.0004007	0.0001806	0.000403
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0003	0.0001	0.00019	0.0003	0.00011	0.00021	7.9E-05	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
6/8/2016	<0.001	<0.001	<0.001	<0.001			<0.001	
6/9/2016					<0.001	0.00059 (J)		
8/12/2016	<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							
10/10/2016		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
12/7/2016	<0.001	<0.001			<0.001	<0.001		
12/8/2016			<0.001	<0.001			0.0006 (J)	
1/23/2017								0.0003 (J)
2/7/2017								0.0002 (J)
2/16/2017	<0.001							
2/17/2017		<0.001	<0.001	<0.001				
2/20/2017					<0.001	<0.001	0.0004 (J)	
3/27/2017								8E-05 (J)
4/17/2017								<0.001
4/19/2017	0.0006 (J)	<0.001	<0.001		<0.001	<0.001		
4/20/2017				<0.001			0.0002 (J)	
5/22/2017								<0.001
6/1/2017	<0.001	0.0001 (J)	<0.001				7E-05 (J)	
6/5/2017				<0.001	<0.001	7E-05 (J)		<0.001
7/11/2017								8E-05 (J)
7/14/2017	<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								<0.001
3/26/2018								<0.001
3/27/2018	<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						
3/1/2019	<0.001			0.00033 (J)	<0.001	<0.001	<0.001	<0.001
4/2/2019								<0.001
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						
9/27/2019				5.4E-05 (J)	<0.001			0.00018 (J)
9/30/2019			7.3E-05 (J)			<0.001	<0.001	
2/24/2020	<0.001	<0.001						
2/25/2020				<0.001	<0.001			
2/26/2020			5.3E-05 (J)			<0.001	<0.001	0.00035 (J)
3/20/2020	<0.001		6E-05 (J)	<0.001				
3/23/2020		<0.001			<0.001			0.00011 (J)
3/24/2020							<0.001	
3/25/2020						5.4E-05 (J)		
9/24/2020			5E-05 (J)	0.00014 (J)	0.00014 (J)			
9/25/2020						0.0001 (J)		0.00016 (J)
9/28/2020	3.8E-05 (J)	8.3E-05 (J)					5.1E-05 (J)	
2/18/2021	<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)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30
3/8/2021								0.00018 (J)
3/25/2021								0.00015 (J)
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
8/20/2021	<0.001	<0.001	<0.001					
8/23/2021				<0.001	<0.001	<0.001		
2/14/2022					<0.001			<0.001
2/15/2022				<0.001		<0.001		
2/16/2022	<0.001	<0.001	<0.001				<0.001	
7/27/2022	<0.001	<0.001					<0.001	
7/28/2022			<0.001					
8/1/2022					<0.001			<0.001
8/2/2022				<0.001		<0.001		
10/21/2022						<0.001		
1/27/2023	<0.001		<0.001				<0.001	
1/30/2023		<0.001						
2/1/2023						<0.001		<0.001
2/2/2023					<0.001			
2/7/2023				<0.001				
8/17/2023							<0.001	
8/18/2023	<0.001	<0.001						
8/21/2023								0.00017 (J)
8/22/2023				0.00014 (J)				
8/23/2023			<0.001		<0.001			
8/25/2023						<0.001		
1/30/2024						<0.001		
2/2/2024	0.00018 (J)							
2/5/2024		<0.001	<0.001				<0.001	
2/6/2024								<0.001
2/8/2024				<0.001	<0.001			
8/19/2024	<0.001							
8/20/2024		<0.001					<0.001	
8/21/2024				<0.001		<0.001		
8/22/2024			<0.001		<0.001			<0.001
2/6/2025		<0.001						
2/7/2025	<0.001							
2/10/2025			<0.001				<0.001	<0.001
2/11/2025					<0.001	<0.001		
2/13/2025				<0.001				
8/5/2025								<0.001
8/6/2025	<0.001							
8/7/2025		<0.001		<0.001			<0.001	
8/11/2025			<0.001		<0.001	<0.001		
Mean	0.0009161	0.0009301	0.0007394	0.0008013	0.0009404	0.0008121	0.0007702	0.0006523
Std. Dev.	0.000251	0.0002469	0.0004266	0.0003726	0.000212	0.0003702	0.0003697	0.0004174
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0006	0.0001	9.4E-05	0.00033	0.00031	0.00059	0.0005	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D
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)				
2/26/2020	7.6E-05 (J)				0.00033 (J)			
2/27/2020		<0.001	<0.001			0.00025 (J)		
2/28/2020							0.00014 (J)	
3/23/2020	0.00028 (J)				0.00014 (J)			
3/24/2020		<0.001	<0.001			0.00016 (J)		
3/25/2020				0.00018 (J)			0.00017 (J)	
9/2/2020						0.00022 (J)		
9/3/2020								0.00012 (J)
9/25/2020		0.00011 (J)		0.00037 (J)				
9/28/2020	0.0013 (J)		<0.001		0.00017 (J)			
9/29/2020							0.00024 (J)	
2/19/2021			<0.001					
2/22/2021	0.00045 (J)			0.00011 (J)			0.00014 (J)	
2/23/2021		7.2E-05 (J)						
3/8/2021					0.00011 (J)			<0.001
3/9/2021						<0.001		
3/25/2021					<0.001			
3/26/2021				<0.001				
3/29/2021	0.00061 (J)					<0.001		<0.001
3/30/2021		<0.001	<0.001				0.00018 (J)	
8/19/2021						<0.001		
8/20/2021	<0.001			<0.001				
8/23/2021					<0.001			<0.001
8/24/2021			<0.001				<0.001	
8/25/2021		<0.001						
2/14/2022					<0.001	<0.001		
2/15/2022								<0.001
2/16/2022	<0.001	<0.001	<0.001				<0.001	
2/17/2022				<0.001				
7/28/2022	<0.001		<0.001	<0.001			<0.001	
7/29/2022		<0.001			<0.001			
8/1/2022								<0.001
8/2/2022						<0.001		
1/27/2023	<0.001							
1/30/2023			<0.001	<0.001				
1/31/2023		<0.001					<0.001	
2/1/2023					<0.001			
2/7/2023						<0.001		<0.001
8/18/2023	0.00024 (J)	<0.001	<0.001				<0.001	
8/21/2023					<0.001	0.00014 (J)		
8/23/2023								<0.001
8/24/2023				<0.001				
1/30/2024					<0.001			<0.001
2/2/2024	0.00043 (J)							
2/5/2024			<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D
2/6/2024						<0.001		
2/7/2024				<0.001			<0.001	
2/8/2024		<0.001						
8/19/2024	0.00019 (J)							
8/20/2024			<0.001		<0.001		<0.001	
8/21/2024		<0.001						<0.001
8/22/2024				<0.001		<0.001		
2/5/2025					<0.001			
2/6/2025	<0.001		<0.001					
2/10/2025							<0.001	
2/11/2025				<0.001		<0.001		<0.001
2/12/2025		<0.001						
8/6/2025						<0.001		
8/7/2025			<0.001		<0.001			<0.001
8/8/2025	<0.001						<0.001	
8/11/2025				<0.001				
8/12/2025		<0.001						
Mean	0.0006641	0.0008864	0.0009409	0.0007006	0.000745	0.0007693	0.000705	0.0009267
Std. Dev.	0.0003788	0.0003106	0.0002365	0.0004041	0.0003641	0.0003794	0.0004114	0.000254
Upper Lim.	0.0006129	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0002425	0.00011	5.4E-05	0.00018	0.00017	0.00022	0.00017	0.00012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
1/28/2021			0.00016 (J)	5.4E-05 (J)
2/23/2021			0.00015 (J)	0.0001 (J)
3/30/2021			0.00022 (J)	0.00011 (J)
4/19/2021	4.4E-05 (J)	0.00014 (J)		
8/18/2021		<0.001		
8/23/2021			<0.001	<0.001
8/24/2021	<0.001			
2/9/2022		<0.001		
2/14/2022			<0.001	<0.001
2/17/2022	<0.001			
7/26/2022		<0.001		
7/28/2022				<0.001
8/1/2022	<0.001		<0.001	
1/25/2023		<0.001		
1/31/2023			<0.001	<0.001
2/1/2023	<0.001			
8/15/2023		<0.001		
8/21/2023			<0.001	
8/22/2023	<0.001			<0.001
1/31/2024		<0.001		
2/5/2024			<0.001	<0.001
2/6/2024	<0.001			
8/16/2024		<0.001		
8/20/2024			<0.001	<0.001
8/21/2024	<0.001			
2/5/2025		<0.001		
2/6/2025			<0.001	
2/7/2025				<0.001
2/10/2025	<0.001			
7/31/2025		<0.001		
8/6/2025	<0.001			
8/11/2025				<0.001
8/13/2025			<0.001	
Mean	0.0009044	0.000914	0.0007942	0.000772
Std. Dev.	0.0003023	0.000272	0.0003727	0.0004127
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.001	0.001	0.00016	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			<0.03					
6/7/2016		<0.002		0.0065	<0.03		<0.03	<0.03
6/8/2016	0.0079							
8/10/2016		<0.002						
8/11/2016	0.0093 (J)		<0.03				<0.03	<0.03
8/12/2016					<0.03			
8/16/2016				<0.03				
10/4/2016		<0.002						
10/5/2016			<0.03					
10/6/2016	0.0102 (J)				<0.03			
10/7/2016				<0.03			<0.03	<0.03
12/2/2016		<0.002						
12/5/2016			<0.03		<0.03			
12/6/2016	0.0094 (J)			<0.03			<0.03	<0.03
2/14/2017		<0.002						
2/15/2017	<0.05		<0.03		<0.03			
2/16/2017				<0.03			<0.03	<0.03
4/14/2017		<0.002						
4/17/2017			0.0013 (J)					
4/18/2017	0.0086 (J)			0.0011 (J)	<0.03		<0.03	
4/19/2017								<0.03
5/26/2017		<0.002	0.0013 (J)					
5/30/2017							<0.03	<0.03
6/2/2017	0.0102 (J)			0.0011 (J)	<0.03			
7/10/2017		<0.002						
7/11/2017			<0.03					
7/12/2017				<0.03				
7/13/2017					<0.03			
7/14/2017	0.0092 (J)						<0.03	<0.03
3/26/2018		<0.002						
3/27/2018	0.0087 (J)		0.0014 (J)	0.0025 (J)			<0.03	<0.03
3/28/2018					<0.03			
6/12/2018		<0.002	0.0012 (J)				<0.03	
6/13/2018	0.0084 (J)							
6/14/2018				0.0011 (J)	<0.03			<0.03
10/16/2018		0.001 (J)						
10/17/2018			<0.03		<0.03			<0.03
10/18/2018	0.0083 (J)			0.0016 (J)			<0.03	
2/25/2019		<0.002					<0.03	
2/27/2019								<0.03
2/28/2019	0.0086 (J)			0.0017 (J)	0.0011 (J)			
4/1/2019		<0.002	0.0012 (J)		0.00078 (J)			
4/2/2019	0.0073 (J)			0.0012 (J)			0.00049 (J)	0.00069 (J)
9/24/2019	0.0083 (J)	<0.002	0.0011 (J)					
9/25/2019				<0.03	0.001 (J)			
9/26/2019							<0.03	<0.03
2/19/2020		<0.002						
2/20/2020			0.002 (J)	0.00093 (J)			<0.03	
2/21/2020	0.0088 (J)							
2/24/2020					0.00091 (J)			<0.03
3/18/2020		<0.002						
3/19/2020	0.0097 (J)		0.0019 (J)		0.00097 (J)		<0.03	<0.03

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
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		<0.002						
9/24/2020			0.0011 (J)	0.0013 (J)			<0.03	<0.03
9/25/2020	0.0065 (J)				0.001 (J)			
10/1/2020						0.00095 (J)		
11/10/2020						<0.03		
12/15/2020						0.00091 (J)		
1/20/2021						0.00082 (J)		
2/16/2021		<0.002						
2/17/2021			0.0013 (J)					
2/18/2021	0.0072 (J)			0.0011 (J)		<0.03	<0.03	<0.03
2/19/2021					0.0011 (J)			
3/24/2021		<0.002	0.0014 (J)		0.0012 (J)	<0.03	<0.03	<0.03
3/30/2021	0.0084 (J)			0.00092 (J)				
8/18/2021		<0.002	0.0013 (J)	<0.03	0.0013 (J)	0.00087 (J)	<0.03	
8/19/2021	0.007 (J)							<0.03
2/9/2022						<0.03		
2/10/2022		<0.002	0.0016 (J)					
2/11/2022	0.0074 (J)			0.00079 (J)	0.0011 (J)		<0.03	<0.03
7/26/2022		<0.002	0.0014 (J)			0.0011 (J)		
7/27/2022					0.0014 (J)		<0.03	<0.03
7/28/2022	0.0061 (J)			0.00076 (J)				
1/26/2023	0.0065 (J)	<0.002	0.0018 (J)		0.0013 (J)	0.00077 (J)	<0.03	<0.03
1/27/2023				0.00082 (J)				
8/16/2023		<0.002			0.0016 (J)	0.0016 (J)		
8/17/2023	0.0059 (J)		0.0015 (J)	<0.03			<0.03	<0.03
2/1/2024		<0.002	0.002 (J)	<0.03	<0.03	0.0019 (J)	<0.03	<0.03
2/2/2024	0.0066 (J)							
8/16/2024	0.0057 (J)	<0.002				0.0019 (J)		
8/19/2024			<0.03		0.0017 (J)		<0.03	<0.03
8/20/2024				<0.03				
2/5/2025		<0.002	0.00148 (J)		0.00153 (J)	0.00137 (J)		
2/6/2025	0.0063 (J)			0.00129 (J)			0.00112 (J)	
2/7/2025								<0.03
7/31/2025		<0.002						
8/4/2025			0.00211		0.00222	0.00169 (J)		
8/5/2025	0.005			0.000696 (J)			0.000785 (J)	0.00082 (J)
Mean	0.008446	0.001964	0.00994	0.01165	0.01358	0.01183	0.02687	0.02791
Std. Dev.	0.003536	0.000189	0.01327	0.01397	0.01448	0.01426	0.009198	0.00767
Upper Lim.	0.0088	0.002	0.00211	0.03	0.03	0.03	0.03	0.03
Lower Lim.	0.0066	0.001	0.0013	0.00093	0.0011	0.00091	0.00112	0.00082

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
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)	<0.03		0.011 (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)	0.0096 (J)
4/5/2019						<0.03		
9/24/2019							<0.03	
9/26/2019	0.018 (J)					<0.03		0.013
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					0.011 (J)
2/26/2020				0.0082 (J)	0.00096 (J)			
2/27/2020						<0.03	<0.03	
3/20/2020		0.029 (J)						
3/23/2020	0.02 (J)		0.032		0.0014 (J)			
3/24/2020						<0.03	<0.03	
3/25/2020				0.0078 (J)				0.0092 (J)
9/24/2020		0.043	0.031					
9/25/2020				0.0078 (J)	0.0011 (J)	<0.03		0.0062 (J)
9/28/2020	0.027 (J)						<0.03	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
2/18/2021	0.041							
2/19/2021		0.035	0.04	0.0086 (J)			<0.03	
2/22/2021								0.014 (J)
2/23/2021						<0.03		
3/8/2021					0.0012 (J)			
3/25/2021					<0.03			
3/26/2021			0.039 (J)	<0.03				0.02 (J)
3/29/2021	0.036	0.033						
3/30/2021						<0.03	<0.03	
8/19/2021					0.0012 (J)			
8/20/2021	0.025 (J)							0.016 (J)
8/23/2021		0.028 (J)	0.029 (J)	0.0076 (J)				
8/24/2021							<0.03	
8/25/2021						<0.03		
2/14/2022			0.033		0.0015 (J)			
2/15/2022		0.032 (J)		0.0086 (J)				
2/16/2022	0.031					<0.15 (O)	<0.03	
2/17/2022								0.018 (J)
7/27/2022	0.037							
7/28/2022							<0.03	0.016 (J)
7/29/2022						<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	0.021 (J)
1/31/2023						<0.03		
2/1/2023				0.0063 (J)	0.0018 (J)			
2/2/2023			0.025 (J)					
2/7/2023		0.018 (J)						
8/18/2023	0.078					<0.03	<0.03	
8/21/2023					0.0012 (J)			
8/22/2023		0.021 (J)						
8/23/2023			0.016 (J)					
8/24/2023								0.023 (J)
8/25/2023				0.0058 (J)				
1/30/2024				0.0054 (J)				
2/5/2024	0.095						<0.03	
2/6/2024					<0.03			
2/7/2024								0.023 (J)
2/8/2024		0.021 (J)	0.019 (J)			<0.03		
8/20/2024	0.099						<0.03	
8/21/2024		0.021 (J)		0.0045 (J)		<0.03		
8/22/2024			0.019 (J)		<0.03			0.022 (J)
2/6/2025	0.0861						0.000849 (J)	
2/10/2025					<0.03			
2/11/2025			0.0128 (J)	0.00445 (J)				0.0175 (J)
2/12/2025						<0.03		
2/13/2025		0.014 (J)						
8/5/2025					0.00132 (J)			
8/7/2025	0.0718	0.0129					0.000812 (J)	
8/11/2025			0.0122	0.00614				0.0193
8/12/2025						0.00116 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
Mean	0.06961	0.02248	0.0195	0.007334	0.008731	0.0282	0.02314	0.01587
Std. Dev.	0.02542	0.00924	0.009989	0.002891	0.007638	0.00721	0.01275	0.005233
Upper Lim.	0.09655	0.02679	0.02301	0.0078	0.0167	0.03	0.03	0.01915
Lower Lim.	0.04267	0.01816	0.01417	0.0057	0.00132	0.00116	0.00098	0.01259

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
10/17/2018	0.0044 (J)							
4/2/2019	0.0021 (J)							
9/27/2019	0.0028 (J)							
2/26/2020	0.001 (J)							
2/27/2020		0.02 (J)						
2/28/2020			0.00084 (J)					
3/23/2020	<0.03							
3/24/2020		0.019 (J)						
3/25/2020			0.00079 (J)					
9/2/2020		0.0096 (J)						
9/3/2020				0.023 (J)				
9/28/2020	0.0011 (J)							
9/29/2020			<0.002					
1/28/2021							0.0017 (J)	0.0037 (J)
2/22/2021			<0.002					
2/23/2021							0.0015 (J)	0.0038 (J)
3/8/2021	0.0017 (J)			0.024 (J)				
3/9/2021		0.011 (J)						
3/25/2021	0.0022 (J)							
3/29/2021		0.012 (J)		0.026 (J)				
3/30/2021			0.00086 (J)				0.0035 (J)	0.0038 (J)
4/19/2021					0.0083 (J)	<0.03		
8/18/2021						<0.03		
8/19/2021		0.0066 (J)						
8/23/2021	0.0022 (J)			0.031			0.0011 (J)	0.0033 (J)
8/24/2021			0.001 (J)		0.01 (J)			
2/9/2022						<0.03		
2/14/2022	0.002 (J)	0.0061 (J)					<0.03	0.002 (J)
2/15/2022				0.027 (J)				
2/16/2022			<0.15 (O)					
2/17/2022					0.0076 (J)			
7/26/2022						<0.03		
7/28/2022			<0.002					0.00088 (J)
7/29/2022	0.0012 (J)							
8/1/2022				0.025 (J)	0.0057 (J)		<0.03	
8/2/2022		0.009 (J)						
1/25/2023						0.0019 (J)		
1/31/2023			<0.002				<0.03	0.0011 (J)
2/1/2023	0.0013 (J)				0.0042 (J)			
2/7/2023		0.0011 (J)		0.016 (J)				
8/15/2023						0.0015 (J)		
8/18/2023			<0.002					
8/21/2023	0.0012 (J)	<0.15 (o)					<0.03	
8/22/2023					0.0065 (J)			<0.03
8/23/2023				0.022 (J)				
1/30/2024	0.0016 (J)			0.017 (J)				
1/31/2024						0.0019 (J)		
2/5/2024							<0.03	<0.03
2/6/2024		0.0023 (J)			0.0058 (J)			
2/7/2024			<0.002					
8/16/2024						<0.03		
8/20/2024	<0.03		<0.002				<0.03	<0.03

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
8/21/2024				0.019 (J)	0.0062 (J)			
8/22/2024		0.006 (J)						
2/5/2025	0.00128 (J)					0.00175 (J)		
2/6/2025							<0.03	
2/7/2025								0.00105 (J)
2/10/2025			<0.002		0.00469 (J)			
2/11/2025		0.0075 (J)		0.0172 (J)				
7/31/2025						0.00116 (J)		
8/6/2025		0.00189 (J)			0.00427			
8/7/2025	0.00173 (J)			0.0173				
8/8/2025			<0.002					
8/11/2025								0.00143 (J)
8/13/2025							0.0014 (J)	
Mean	0.003401	0.008622	0.001653	0.02204	0.006326	0.01582	0.01827	0.009255
Std. Dev.	0.004441	0.005886	0.0005435	0.004778	0.001861	0.01495	0.01451	0.01256
Upper Lim.	0.0028	0.013	0.002	0.02579	0.007986	0.03	0.03	0.03
Lower Lim.	0.0012	0.004245	0.00084	0.01829	0.004666	0.0015	0.0014	0.00105

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	PZ-7
4/28/2022	<0.03
8/2/2022	<0.03
2/2/2023	<0.03
8/22/2024	<0.03
2/7/2025	0.000796 (J)
8/11/2025	0.00351
Mean	0.02072
Std. Dev.	0.01441
Upper Lim.	0.03
Lower Lim.	0.000796

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016			8E-05 (J)					
6/7/2016		9.7E-05 (J)		0.0001 (J)	0.0001 (J)		9.8E-05 (J)	0.00017 (J)
6/8/2016	<0.0002							
8/10/2016		<0.0002						
8/11/2016	<0.0002		<0.0002				<0.0002	0.00019 (J)
8/12/2016					<0.0002			
8/16/2016				<0.0002				
10/4/2016		<0.0002						
10/5/2016			<0.0002					
10/6/2016	<0.0002				<0.0002			
10/7/2016				<0.0002			<0.0002	0.00014 (J)
12/2/2016		<0.0002						
12/5/2016			<0.0002		<0.0002			
12/6/2016	<0.0002			<0.0002			<0.0002	0.00016 (J)
2/14/2017		<0.0002						
2/15/2017	<0.0002		<0.0002		<0.0002			
2/16/2017				<0.0002			<0.0002	0.00017 (J)
4/14/2017		<0.0002						
4/17/2017			<0.0002					
4/18/2017	<0.0002			<0.0002	<0.0002		<0.0002	
4/19/2017								0.00014 (J)
5/26/2017		<0.0002	<0.0002					
5/30/2017							<0.0002	0.00023 (J)
6/2/2017	<0.0002			<0.0002	<0.0002			
7/10/2017		<0.0002						
7/11/2017			<0.0002					
7/12/2017				<0.0002				
7/13/2017					<0.0002			
7/14/2017	<0.0002						<0.0002	0.00016 (J)
3/26/2018		<0.0002						
3/27/2018	<0.0002		<0.0002	<0.0002			<0.0002	<0.0002
3/28/2018					<0.0002			
2/25/2019		<0.0002					<0.0002	
2/27/2019								0.00029 (J)
2/28/2019	5.3E-05 (J)			4.8E-05 (J)	5.8E-05 (J)			
4/1/2019		<0.0002	<0.0002		<0.0002			
4/2/2019	<0.0002			<0.0002			<0.0002	0.0004
9/24/2019	<0.0002	<0.0002	<0.0002					
9/25/2019				<0.0002	<0.0002			
9/26/2019							<0.0002	<0.0002
2/19/2020		<0.0002						
2/20/2020			<0.0002	<0.0002			<0.0002	
2/21/2020	<0.0002							
2/24/2020					<0.0002			0.0003 (J)
3/18/2020		<0.0002						
3/19/2020	<0.0002		<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						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
9/24/2020			<0.0002	<0.0002			<0.0002	0.00027 (J)
9/25/2020	<0.0002				<0.0002			
10/1/2020						<0.0002		
11/10/2020						<0.0002		
12/15/2020						<0.0002		
1/20/2021						<0.0002		
2/16/2021		<0.0002						
2/17/2021			<0.0002					
2/18/2021	<0.0002			<0.0002		<0.0002	<0.0002	0.00017 (J)
2/19/2021					<0.0002			
3/24/2021		<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	0.00012 (J)
3/30/2021	<0.0002			<0.0002				
8/18/2021		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002 (J)	
8/19/2021	<0.0002							<0.0002
2/9/2022						<0.0002		
2/10/2022		<0.0002	<0.0002					
2/11/2022	<0.0002			<0.0002	<0.0002		<0.0002	<0.0002
7/26/2022		0.00016 (J)	0.00016 (J)			0.00016 (J)		
7/27/2022					<0.0002		<0.0002	0.00025
7/28/2022	<0.0002			<0.0002				
1/26/2023	<0.0002	<0.0002	0.00013 (J)		0.00013 (J)	<0.0002	0.00015 (J)	0.00027
1/27/2023				0.00018 (J)				
8/16/2023		<0.0002			<0.0002	<0.0002		
8/17/2023	<0.0002		<0.0002	<0.0002			<0.0002	0.00031
2/1/2024		<0.0002	<0.0002	<0.0002	<0.0002	0.00015 (J)	<0.0002	0.00031
2/2/2024	<0.0002							
8/16/2024	<0.0002	<0.0002				<0.0002		
8/19/2024			<0.0002		<0.0002		<0.0002	0.00019 (J)
8/20/2024				<0.0002				
2/5/2025		<0.0002	<0.0002		<0.0002	<0.0002		
2/6/2025	<0.0002			<0.0002			<0.0002	
2/7/2025								0.00017 (J)
7/31/2025		<0.0002						
8/4/2025			<0.0002		<0.0002	0.00018 (J)		
8/5/2025	<0.0002			<0.0002			<0.0002	0.00037 (L1)
Mean	0.0001943	0.0001945	0.0001908	0.0001895	0.000188	0.0001942	0.0001942	0.0002212
Std. Dev.	2.883E-05	2.138E-05	2.798E-05	3.502E-05	3.539E-05	1.465E-05	2.192E-05	7.328E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002328
Lower Lim.	5.3E-05	0.00016	0.00016	0.00018	0.00013	0.00018	0.00015	0.0001523

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/8/2016	<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)			<0.0002
6/9/2016						<0.0002	<0.0002	
8/12/2016	<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	<0.0002	<0.0002						
10/10/2016			<0.0002	<0.0002	<0.0002	<0.0002	4E-05 (J)	<0.0002
12/6/2016	<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
2/16/2017	<0.0002	<0.0002						
2/17/2017			<0.0002	<0.0002	<0.0002			
2/20/2017						<0.0002	5E-05 (J)	<0.0002
4/19/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)	
4/20/2017					<0.0002			<0.0002
6/1/2017	<0.0002	<0.0002	<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)	<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				<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	4.7E-05 (J)
4/2/2019	<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					
9/27/2019					<0.0002	<0.0002		
9/30/2019				<0.0002			0.0011	<0.0002
2/24/2020	<0.0002	<0.0002	<0.0002					
2/25/2020					<0.0002	<0.0002		
2/26/2020				<0.0002			0.0011	<0.0002
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	<0.0002			<0.0002	<0.0002	<0.0002		
9/25/2020							0.0036	
9/28/2020		<0.0002	<0.0002					<0.0002
2/18/2021	<0.0002	<0.0002	<0.0002					
2/19/2021				<0.0002	<0.0002	<0.0002	0.0033	
2/23/2021								<0.0002
3/24/2021	<0.0002							
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
8/20/2021		<0.0002	<0.0002	<0.0002				
8/23/2021					<0.0002	<0.0002	0.00026	
2/14/2022						<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/15/2022					<0.0002		0.0014	
2/16/2022	<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
7/27/2022	<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	<0.0002							
1/27/2023		0.00018 (J)		0.00021				0.00015 (J)
1/30/2023			<0.0002					
2/1/2023							0.00059	
2/2/2023						<0.0002		
2/7/2023					<0.0002			
8/17/2023	<0.0002							<0.0002
8/18/2023		<0.0002	<0.0002					
8/22/2023					<0.0002			
8/23/2023				<0.0002		0.00013 (J)		
8/25/2023							0.0023	
1/30/2024							0.00062	
2/2/2024	<0.0002	<0.0002						
2/5/2024			<0.0002	<0.0002				<0.0002
2/8/2024					<0.0002	<0.0002		
8/19/2024	<0.0002	<0.0002						
8/20/2024			<0.0002					<0.0002
8/21/2024					<0.0002		0.00072	
8/22/2024				<0.0002		<0.0002		
2/6/2025			<0.0002					
2/7/2025	<0.0002	<0.0002						
2/10/2025				<0.0002				<0.0002
2/11/2025						<0.0002	0.00085	
2/13/2025					<0.0002			
8/5/2025	<0.0002							
8/6/2025		<0.0002						
8/7/2025			<0.0002		<0.0002			<0.0002
8/11/2025				<0.0002		<0.0002	0.00094	
Mean	0.0001953	0.0001888	0.0001948	0.0002004	0.0001898	0.0001855	0.001006	0.0001922
Std. Dev.	2.373E-05	3.691E-05	2.628E-05	2E-06	3.683E-05	4.303E-05	0.001341	3.119E-05
Upper Lim.	0.0002	0.0002	0.0002	0.00021	0.0002	0.0002	0.001089	0.0002
Lower Lim.	7.9E-05	0.00018	6.6E-05	0.0002	9.2E-05	0.00013	0.0002827	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-43D	BGWC-51
1/23/2017	8E-05 (J)							
2/7/2017	0.00011 (J)							
3/27/2017	8E-05 (J)							
4/17/2017	4E-05 (J)							
5/22/2017	<0.0002							
6/5/2017	6E-05 (J)							
7/11/2017	9.1E-05 (J)							
8/23/2017	5E-05 (J)							
3/26/2018	<0.0002							
3/1/2019	0.0001 (J)							
4/2/2019	<0.0002				<0.0002			
4/4/2019		<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			
2/25/2020				<0.0002				
2/26/2020	<0.0002	<0.0002			0.00018 (J)			
2/27/2020			<0.0002			<0.0002		
3/23/2020	<0.0002	<0.0002			<0.0002			
3/24/2020			<0.0002			<0.0002		
3/25/2020				<0.0002				
9/2/2020						0.0001 (J)		
9/3/2020							<0.0002	
9/25/2020	<0.0002			<0.0002				
9/28/2020		<0.0002	<0.0002		<0.0002			
1/28/2021								0.0046
2/19/2021			<0.0002					
2/22/2021		<0.0002		<0.0002				
2/23/2021								0.0033
3/8/2021	<0.0002				<0.0002		<0.0002	
3/9/2021						<0.0002		
3/25/2021	<0.0002				<0.0002			
3/26/2021				<0.0002				
3/29/2021		<0.0002				<0.0002	<0.0002	
3/30/2021			<0.0002					0.002
8/19/2021	<0.0002					0.00012 (J)		
8/20/2021		<0.0002		<0.0002				
8/23/2021					<0.0002		<0.0002	0.0014
8/24/2021			<0.0002					
2/14/2022	<0.0002				<0.0002	<0.0002		0.00025
2/15/2022							<0.0002	
2/16/2022		<0.0002	<0.0002					
2/17/2022				<0.0002				
7/28/2022		0.00015 (J)	0.00014 (J)	0.00016 (J)				
7/29/2022					<0.0002			
8/1/2022	<0.0002						<0.0002	<0.0002
8/2/2022						0.00028		
1/27/2023		0.00014 (J)						
1/30/2023			0.00016 (J)	0.00014 (J)				
1/31/2023								0.00021
2/1/2023	<0.0002				<0.0002			
2/7/2023						<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-43D	BGWC-51
8/18/2023		<0.0002	<0.0002					
8/21/2023	<0.0002				0.00016 (J)	0.00057		0.00016 (J)
8/23/2023							0.00015 (J)	
8/24/2023				<0.0002				
1/30/2024					<0.0002		<0.0002	
2/2/2024		<0.0002						
2/5/2024			<0.0002					<0.0002
2/6/2024	<0.0002					<0.0002		
2/7/2024				<0.0002				
8/19/2024		<0.0002						
8/20/2024			<0.0002		<0.0002			<0.0002
8/21/2024							<0.0002	
8/22/2024	<0.0002			<0.0002		<0.0002		
2/5/2025					<0.0002			
2/6/2025		<0.0002	<0.0002					<0.0002
2/10/2025	<0.0002							
2/11/2025				<0.0002		<0.0002	<0.0002	
8/5/2025	<0.0002							
8/6/2025						0.00026 (L1)		
8/7/2025			<0.0002		<0.0002		<0.0002	
8/8/2025		<0.0002						
8/11/2025				<0.0002				
8/13/2025								<0.0002
Mean	0.000162	0.0001931	0.0001937	0.0001937	0.0001962	0.0002236	0.0001958	0.001077
Std. Dev.	5.962E-05	1.887E-05	1.746E-05	1.746E-05	1.088E-05	0.0001094	1.443E-05	0.00149
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.00026	0.0002	0.0033
Lower Lim.	0.0001	0.00015	0.00016	0.00016	0.00018	0.00012	0.00015	0.00016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	PZ-7
1/28/2021	0.00019 (J)	
2/23/2021	<0.0002	
3/30/2021	<0.0002	
8/23/2021	<0.0002	
2/14/2022	<0.0002	
4/28/2022		<0.0002
7/28/2022	<0.0002	
8/2/2022		0.00059
1/31/2023	0.00018 (J)	
2/2/2023		0.00015 (J)
8/22/2023	<0.0002	
2/5/2024	<0.0002	
8/20/2024	<0.0002	
8/22/2024		0.0009
2/7/2025	<0.0002	0.00068
8/11/2025	<0.0002	0.0013
Mean	0.0001975	0.0006367
Std. Dev.	6.216E-06	0.0004338
Upper Lim.	0.0002	0.001185
Lower Lim.	0.00019	7.126E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
6/6/2016			0.0028 (J)					
6/7/2016		0.00063 (J)		0.0067 (J)				
6/8/2016	0.0088 (J)					<0.01	0.011 (J)	0.0027 (J)
8/10/2016		0.0039 (J)						
8/11/2016	0.01		0.003 (J)					
8/12/2016						<0.01	0.0127	
8/16/2016				0.0032 (J)				
8/18/2016								0.0023 (J)
10/4/2016		0.0052 (J)						
10/5/2016			0.0032 (J)					
10/6/2016	0.0117							
10/7/2016				0.0032 (J)		<0.01		
10/10/2016							0.0136	0.0025 (J)
12/2/2016		<0.01						
12/5/2016			0.0033 (J)					
12/6/2016	0.0102			0.0049 (J)				
12/7/2016						<0.01	0.0139	
12/8/2016								<0.01
2/14/2017		0.0044 (J)						
2/15/2017	0.0018 (J)		0.0027 (J)					
2/16/2017				0.0039 (J)		<0.01		
2/17/2017							0.0148	<0.01
4/14/2017		0.0013 (J)						
4/17/2017			0.0025 (J)					
4/18/2017	0.0103			0.0032 (J)				
4/19/2017						<0.01	0.012	0.0014 (J)
5/26/2017		0.0024 (J)	0.0029 (J)					
6/1/2017						<0.01	0.0125	0.0012 (J)
6/2/2017	0.0129			0.0035 (J)				
7/10/2017		0.0013 (J)						
7/11/2017			0.0029 (J)					
7/12/2017				0.0037 (J)				
7/14/2017	0.0129					<0.01		
7/18/2017							0.0155	0.0013 (J)
3/26/2018		<0.01						
3/27/2018	0.01		0.0031 (J)	0.0032 (J)		<0.01		
3/28/2018							0.012	<0.01
6/12/2018		0.0026 (J)	0.0043 (J)					
6/13/2018	0.013						0.016	
6/14/2018				0.0033 (J)				<0.01
6/15/2018						<0.01		
10/16/2018		0.0041 (J)						
10/17/2018			0.0038 (J)					
10/18/2018	0.01 (J)			0.0034 (J)				
10/19/2018						<0.01		<0.01
10/22/2018							0.013	
2/25/2019		<0.01						
2/27/2019							0.013	
2/28/2019	0.016			0.0035 (J)				
3/1/2019						<0.01		
4/1/2019		0.00054 (J)	0.0027 (J)					
4/2/2019	0.011			0.0032 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
4/3/2019						0.00023 (J)	0.012	0.0019 (J)
9/24/2019	0.01 (J)	0.0016 (J)	0.0041 (J)					
9/25/2019				0.0035 (J)				
9/26/2019						<0.01	0.015	
9/30/2019								0.003 (J)
2/19/2020		0.0018 (J)						
2/20/2020			0.002 (J)	0.0037 (J)				
2/21/2020	0.011							
2/24/2020						<0.01	0.015	
2/26/2020								0.0016 (J)
3/18/2020		<0.01						
3/19/2020	0.011		0.0024 (J)					
3/20/2020						<0.01		0.0023 (J)
3/23/2020				0.0035 (J)			0.016	
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			0.0034 (J)	0.0032 (J)				0.0036 (J)
9/25/2020	0.0099 (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 (J)			
1/20/2021					0.0016 (J)			
2/16/2021		0.0011 (J)						
2/17/2021			0.0033 (J)					
2/18/2021	0.0098 (J)			0.0036 (J)	0.0045 (J)	<0.01	0.028	
2/19/2021								0.0013 (J)
3/24/2021		<0.01	0.0027 (J)		<0.01			
3/26/2021						<0.01		
3/29/2021							0.024	0.0021 (J)
3/30/2021	0.011			0.0035 (J)				
8/18/2021		0.0019 (J)	0.0028 (J)	0.0029 (J)	0.0011 (J)			
8/19/2021	0.0094 (J)							
8/20/2021						<0.01	0.026	0.003 (J)
2/9/2022					<0.01			
2/10/2022		0.00081 (J)	0.0026 (J)					
2/11/2022	0.0088 (J)			0.003 (J)				
2/16/2022						<0.01	0.025	0.005 (J)
7/26/2022		0.00096 (J)	0.0029 (J)		0.0015 (J)			
7/27/2022						<0.01	0.028	
7/28/2022	0.009 (J)			0.0028 (J)				0.0042 (J)
1/26/2023	0.0096 (J)	0.00095 (J)	0.002 (J)		0.0016 (J)			
1/27/2023				0.0025 (J)		<0.01		0.003 (J)
1/30/2023							0.035	
8/16/2023		<0.01			0.0016 (J)			
8/17/2023	0.011		0.0039 (J)	0.0025 (J)				
8/18/2023						<0.01	0.054	
8/23/2023								0.0027 (J)
2/1/2024		<0.01	0.0016 (J)	0.002 (J)	0.0018 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
2/2/2024	0.01					<0.01		
2/5/2024							0.056	0.004 (J)
8/16/2024	0.01	<0.01			0.0017 (J)			
8/19/2024			0.0027 (J)			<0.01		
8/20/2024				0.0026 (J)			0.067	
8/22/2024								0.0046 (J)
2/5/2025		<0.01	<0.01		<0.01			
2/6/2025	0.011			0.0027 (J)			0.068	
2/7/2025						<0.01		
2/10/2025								0.0049 (J)
7/31/2025		<0.01						
8/4/2025			0.0027 (J)		<0.01			
8/5/2025	0.011			<0.01				
8/6/2025						<0.01		
8/7/2025							0.062	
8/11/2025								0.004 (J)
Mean	0.0104	0.005196	0.003011	0.003425	0.003897	0.009651	0.02532	0.00417
Std. Dev.	0.00227	0.004092	0.0007345	0.0009013	0.003816	0.001846	0.01832	0.003032
Upper Lim.	0.011	0.01	0.003361	0.003714	0.01	0.01	0.028	0.002864
Lower Lim.	0.0099	0.0013	0.002661	0.002987	0.0013	0.00023	0.013	0.001806

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
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		
10/19/2018								0.0021 (J)
10/22/2018	0.055	0.013	<0.01	<0.01	0.01		0.0038 (J)	
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)		0.0011 (J)
4/5/2019							0.0035 (J)	
5/2/2019	0.043							
5/3/2019							0.0048 (J)	
9/24/2019						<0.01		<0.01
9/26/2019							0.003 (J)	
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		
2/27/2020							0.0032 (J)	0.001 (J)
3/20/2020	0.039							
3/23/2020		0.013			0.0037 (J)	<0.01		
3/24/2020				<0.01			0.0031 (J)	0.001 (J)
3/25/2020			<0.01					
9/24/2020	0.04	0.011						
9/25/2020			0.00081 (J)		0.0027 (J)		0.003 (J)	
9/28/2020				<0.01		<0.01		0.00078 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
2/19/2021	0.046	0.011	<0.01					0.0009 (J)
2/22/2021						<0.01		
2/23/2021				<0.01			0.0032 (J)	
3/8/2021					0.0031 (J)			
3/25/2021					0.0017 (J)			
3/26/2021		0.011 (J)	<0.01	<0.01				
3/29/2021	0.045					<0.01		
3/30/2021							0.0037 (J)	0.0011 (J)
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					
8/24/2021								0.00098 (J)
8/25/2021							0.0038 (J)	
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	0.0038 (J)	0.00094 (J)
7/27/2022				<0.01				
7/28/2022						<0.01		0.0011 (J)
7/29/2022							0.0036 (J)	
8/1/2022		0.0071 (J)			0.0047 (J)			
8/2/2022	0.04		0.0027 (J)					
10/21/2022			<0.01					
1/27/2023				<0.01		<0.01		
1/30/2023								0.0011 (J)
1/31/2023							0.0039 (J)	
2/1/2023			<0.01		0.0058 (J)			
2/2/2023		0.0078 (J)						
2/7/2023	0.032							
8/17/2023				<0.01				
8/18/2023						<0.01	0.0041 (J)	0.0011 (J)
8/21/2023					0.0048 (J)			
8/22/2023	0.036							
8/23/2023		0.006 (J)						
8/25/2023			<0.01					
1/30/2024			<0.01					
2/2/2024						<0.01		
2/5/2024				<0.01				0.001 (J)
2/6/2024					0.0049 (J)			
2/8/2024	0.033	0.0056 (J)					0.0043 (J)	
8/19/2024						<0.01		
8/20/2024				<0.01				0.0011 (J)
8/21/2024	0.029		<0.01				0.0045 (J)	
8/22/2024		0.0063 (J)			0.0038 (J)			
2/6/2025						<0.01		<0.01
2/10/2025				<0.01	0.0028 (J)			
2/11/2025		0.0055 (J)	<0.01					
2/12/2025							0.0042 (J)	
2/13/2025	0.04							
8/5/2025					0.0048 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
8/7/2025	0.041			<0.01				<0.01
8/8/2025						<0.01		
8/11/2025		0.0043 (J)	<0.01					
8/12/2025							0.004 (J)	
Mean	0.04909	0.01062	0.00686	0.007981	0.008817	0.009431	0.00375	0.002665
Std. Dev.	0.01397	0.00291	0.003899	0.003356	0.006718	0.002345	0.0005216	0.003511
Upper Lim.	0.05338	0.01231	0.01	0.01	0.009371	0.01	0.004066	0.0021
Lower Lim.	0.0419	0.01051	0.0027	0.0064	0.004517	0.00033	0.003434	0.00098

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51
10/17/2018		0.017						
10/22/2018	0.033							
11/29/2018	0.03							
1/14/2019		0.013						
4/2/2019		0.011						
4/4/2019	0.03							
5/2/2019			0.11					
9/26/2019	0.033							
9/27/2019		0.013						
2/25/2020	0.026							
2/26/2020		0.0032 (J)						
2/27/2020			0.11					
2/28/2020				0.0014 (J)				
3/23/2020		0.0058 (J)						
3/24/2020			0.12					
3/25/2020	0.022			0.0012 (J)				
5/4/2020					0.14			
5/20/2020					0.16			
9/2/2020			0.1					
9/3/2020					0.11			
9/25/2020	0.024							
9/28/2020		0.0084 (J)						
9/29/2020				0.00069 (J)				
1/28/2021								<0.01
2/22/2021	0.035			<0.01				
2/23/2021								<0.01
3/8/2021		0.0083 (J)			0.2			
3/9/2021			0.13					
3/25/2021		0.013						
3/26/2021	0.036							
3/29/2021			0.13		0.21			
3/30/2021				<0.01				0.0027 (J)
4/19/2021						0.0067 (J)	0.0043 (J)	
7/20/2021					0.24			
8/18/2021							0.0021 (J)	
8/19/2021			0.076					
8/20/2021	0.04							
8/23/2021		0.014			0.21			<0.01
8/24/2021				<0.01		0.0049 (J)		
11/1/2021			0.081					
2/9/2022							0.0032 (J)	
2/14/2022		0.012	0.097					<0.01
2/15/2022					0.15			
2/16/2022				<0.01				
2/17/2022	0.039					0.0056 (J)		
7/26/2022							0.0029 (J)	
7/28/2022	0.036			<0.01				
7/29/2022		0.0095 (J)						
8/1/2022					0.16	0.0066 (J)		<0.01
8/2/2022			0.093					
1/25/2023							0.0067 (J)	
1/30/2023	0.035							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-51
1/31/2023				<0.01				<0.01
2/1/2023		0.0083 (J)				0.0072 (J)		
2/7/2023			0.02		0.13			
8/15/2023							0.0041 (J)	
8/18/2023				<0.01				
8/21/2023		0.01	0.04					<0.01
8/22/2023						0.0048 (J)		
8/23/2023					0.18			
8/24/2023	0.034							
1/30/2024		0.012			0.12			
1/31/2024							0.0041 (J)	
2/5/2024								<0.01
2/6/2024			0.09			0.0056 (J)		
2/7/2024	0.037			<0.01				
8/16/2024							0.0018 (J)	
8/20/2024		0.0087 (J)		<0.01				<0.01
8/21/2024					0.12	0.0044 (J)		
8/22/2024	0.033		0.097					
2/5/2025		0.011					0.0038 (J)	
2/6/2025								<0.01
2/10/2025				<0.01		0.0047 (J)		
2/11/2025	0.028		0.098		0.14			
7/31/2025							<0.01	
8/6/2025			0.084			0.0051 (J)		
8/7/2025		0.0082 (J)			0.17			
8/8/2025				<0.01				
8/11/2025	0.025							
8/13/2025								<0.01
Mean	0.032	0.01036	0.09225	0.008092	0.1627	0.00556	0.0038	0.009392
Std. Dev.	0.005247	0.003228	0.02922	0.003794	0.03863	0.0009652	0.001428	0.002107
Upper Lim.	0.03517	0.01231	0.1113	0.01	0.1888	0.006421	0.005074	0.01
Lower Lim.	0.02883	0.008403	0.07324	0.0014	0.1365	0.004699	0.002526	0.0027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52
1/28/2021	0.0038 (J)
2/23/2021	0.0039 (J)
3/30/2021	0.0035 (J)
8/23/2021	0.0038 (J)
2/14/2022	0.0041 (J)
7/28/2022	0.0053 (J)
1/31/2023	0.0087 (J)
8/22/2023	0.0039 (J)
2/5/2024	0.004 (J)
8/20/2024	0.0058 (J)
2/7/2025	0.0028 (J)
8/11/2025	<0.01
Mean	0.00455
Std. Dev.	0.001543
Upper Lim.	0.005565
Lower Lim.	0.003442

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
6/6/2016		0.00031 (J)						
6/7/2016	4.8E-05 (J)		<0.005		<0.005	0.0004 (J)		
6/8/2016							<0.005	0.00043 (J)
8/10/2016	<0.005							
8/11/2016		0.001 (J)			<0.005	<0.005		
8/12/2016			<0.005				<0.005	<0.005
10/4/2016	<0.005							
10/5/2016		0.0017 (J)						
10/6/2016			<0.005					
10/7/2016					<0.005	<0.005	<0.005	<0.005
12/2/2016	<0.005							
12/5/2016		<0.005	<0.005					
12/6/2016					<0.005	<0.005	<0.005	
12/7/2016								<0.005
2/14/2017	<0.005							
2/15/2017		<0.005	<0.005					
2/16/2017					0.0012 (J)	<0.005	<0.005	<0.005
4/14/2017	<0.005							
4/17/2017		<0.005						
4/18/2017			<0.005		<0.005			
4/19/2017						<0.005	<0.005	<0.005
5/26/2017	<0.005	0.0014 (J)						
5/30/2017					<0.005	<0.005		
6/1/2017							<0.005	<0.005
6/2/2017			<0.005					
7/10/2017	<0.005							
7/11/2017		<0.005						
7/13/2017			<0.005					
7/14/2017					<0.005	<0.005	<0.005	<0.005
3/26/2018	<0.005							
3/27/2018		<0.005			<0.005	<0.005	<0.005	<0.005
3/28/2018			<0.005					
2/25/2019	<0.005				<0.005			
2/27/2019						<0.005	<0.005	
2/28/2019			<0.005					
3/1/2019								<0.005
4/1/2019	0.00015 (J)	0.0004 (J)	0.0004 (J)					
4/2/2019					0.0006 (J)	0.00077 (J)	0.001 (J)	
4/3/2019								0.00058 (J)
9/24/2019	<0.005	<0.005						
9/25/2019			<0.005					
9/26/2019					<0.005	<0.005	<0.005	<0.005
2/19/2020	<0.005							
2/20/2020		<0.005			0.0026 (J)			
2/24/2020			<0.005			0.0013 (J)	<0.005	0.0013 (J)
3/18/2020	<0.005							
3/19/2020		0.0015 (J)	<0.005		0.0019 (J)	0.0022 (J)		
3/20/2020							<0.005	<0.005
5/22/2020				0.0014 (J)				
6/23/2020				<0.005				
7/28/2020				<0.005				
9/2/2020				<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
9/23/2020	<0.005							
9/24/2020		<0.005			0.003 (J)	<0.005	<0.005	
9/25/2020			<0.005					
9/28/2020								<0.005
10/1/2020				<0.005				
11/10/2020				<0.005				
12/15/2020				<0.005				
1/20/2021				<0.005				
2/16/2021	<0.005							
2/17/2021		<0.005						
2/18/2021				<0.005	0.0017 (J)	<0.005	<0.005	<0.005
2/19/2021			<0.005					
3/24/2021	<0.005	<0.005	<0.005	<0.005	0.0017 (J)	<0.005	<0.005	
3/26/2021								<0.005
8/18/2021	<0.005	0.0014 (J)	<0.005	<0.005	<0.005			
8/19/2021						<0.005	<0.005	
8/20/2021								<0.005
2/9/2022				<0.005				
2/10/2022	<0.005	<0.005						
2/11/2022			<0.005		<0.005	<0.005		
2/16/2022							<0.005	<0.005
7/26/2022	<0.005	0.0015 (J)		<0.005				
7/27/2022			<0.005		0.0018 (J)	<0.005	<0.005	<0.005
1/26/2023	<0.005	0.0015 (J)	<0.005	<0.005	0.0024 (J)	<0.005	0.0022 (J)	
1/27/2023								<0.005
8/16/2023	<0.005		<0.005	<0.005				
8/17/2023		0.0015 (J)			0.0015 (J)	<0.005	<0.005	
8/18/2023								<0.005
2/1/2024	<0.005	0.0011 (J)	<0.005	<0.005	0.0034 (J)	<0.005		
2/2/2024							0.0024 (J)	0.0013 (J)
8/16/2024	<0.005			<0.005				
8/19/2024		0.0012 (J)	<0.005		0.0013 (J)	<0.005	0.0013 (J)	<0.005
2/5/2025	<0.005	0.0016 (J)	<0.005	<0.005				
2/6/2025					0.0036 (J)			
2/7/2025						<0.005	<0.005	<0.005
7/31/2025	<0.005							
8/4/2025		<0.005	<0.005	<0.005				
8/5/2025					<0.005	<0.005	<0.005	
8/6/2025								<0.005
Mean	0.004623	0.003044	0.004823	0.004811	0.003527	0.00441	0.004496	0.00437
Std. Dev.	0.001332	0.001943	0.0009021	0.0008259	0.001625	0.001436	0.001228	0.001516
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00015	0.0014	0.0004	0.0014	0.0018	0.0022	0.0024	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-31	BGWC-32
6/8/2016	<0.005	<0.005	<0.005					
6/9/2016				<0.005	0.00099 (J)			
8/12/2016	<0.005							
8/18/2016		<0.005	<0.005	<0.005	0.0023 (J)			
10/10/2016	<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)			
12/7/2016	0.0037 (J)			0.0176	0.0302			
12/8/2016		<0.005	0.012					
1/23/2017						0.015		
2/7/2017						0.0114		
2/17/2017	<0.005	<0.005	<0.005					
2/20/2017				<0.005	0.0044 (J)			
3/27/2017						0.0092 (J)		
4/17/2017						0.0082 (J)		
4/19/2017	<0.005	<0.005		<0.005	0.0046 (J)			
4/20/2017			<0.005					
5/22/2017						0.0094 (J)		
6/1/2017	<0.005	<0.005						
6/5/2017			0.0018 (J)	<0.005	0.0033 (J)	0.0118		
7/11/2017						0.012		
7/17/2017				<0.005	0.0052 (J)			
7/18/2017	<0.005	<0.005						
7/19/2017			<0.005					
8/23/2017						0.0097 (J)		
3/26/2018						<0.005		
3/28/2018	<0.005	<0.005						
3/29/2018			<0.005	<0.005	<0.005			
2/27/2019	<0.005							
3/1/2019			<0.005	<0.005	<0.005	0.01 (J)		
4/2/2019						0.0092 (J)		
4/3/2019	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)			
4/4/2019							8E-05 (J)	
4/5/2019								0.00015 (J)
9/24/2019							<0.005	
9/26/2019	<0.005							<0.005
9/27/2019			<0.005	<0.005		0.0033 (J)		
9/30/2019		<0.005			0.0065 (J)			
2/24/2020	<0.005							
2/25/2020			<0.005	0.002 (J)				
2/26/2020		<0.005			0.0077 (J)	<0.005	<0.005	
2/27/2020								<0.005
3/20/2020		<0.005	<0.005					
3/23/2020	<0.005			<0.005		0.0041 (J)	<0.005	
3/24/2020								<0.005
3/25/2020					0.0067 (J)			
9/24/2020		<0.005	0.0026 (J)	<0.005				
9/25/2020					0.01	0.0035 (J)		<0.005
9/28/2020	<0.005						<0.005	
2/18/2021	<0.005							
2/19/2021		<0.005	<0.005	<0.005	0.0065			
2/22/2021							<0.005	
2/23/2021								<0.005
3/8/2021						0.0048 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-31	BGWC-32
3/25/2021						0.0021 (J)		
3/26/2021				<0.005	<0.005			
3/29/2021	<0.005	<0.005	<0.005				<0.005	
3/30/2021								<0.005
8/19/2021						0.0052		
8/20/2021	<0.005	<0.005					<0.005	
8/23/2021			<0.005	<0.005	0.0045 (J)			
8/25/2021								<0.005
2/14/2022				<0.005		0.0084		
2/15/2022			<0.005		0.0055			
2/16/2022	<0.005	<0.005					<0.005	<0.005
7/27/2022	<0.005							
7/28/2022		<0.005					<0.005	
7/29/2022								<0.005
8/1/2022				<0.005		0.0074		
8/2/2022			<0.005		0.0027 (J)			
10/21/2022					0.0045 (J)			
1/27/2023		<0.005					<0.005	
1/30/2023	<0.005							
1/31/2023								<0.005
2/1/2023					0.006	0.01		
2/2/2023				0.0019 (J)				
2/7/2023			0.0016 (J)					
8/18/2023	<0.005						<0.005	<0.005
8/21/2023						0.0065		
8/22/2023			0.0017 (J)					
8/23/2023		<0.005		<0.005				
8/25/2023					0.0049 (J)			
1/30/2024					0.0054			
2/2/2024							<0.005	
2/5/2024	<0.005	<0.005						
2/6/2024						0.0093		
2/8/2024			0.0012 (J)	<0.005				<0.005
8/19/2024							<0.005	
8/20/2024	<0.005							
8/21/2024			<0.005		0.004 (J)			<0.005
8/22/2024		<0.005		<0.005		0.0032 (J)		
2/6/2025	0.002 (J)						<0.005	
2/10/2025		<0.005				0.0024 (J)		
2/11/2025				0.0015 (J)	0.007			
2/12/2025								<0.005
2/13/2025			0.002 (J)					
8/5/2025						0.0053		
8/7/2025	0.0022 (J)		0.0025 (J)					
8/8/2025							<0.005	
8/11/2025		<0.005		0.0034 (JM1)	0.0083			
8/12/2025								0.0013 (J)
Mean	0.004727	0.004645	0.004438	0.005054	0.005796	0.007169	0.004692	0.004466
Std. Dev.	0.0008146	0.001236	0.002088	0.002772	0.005294	0.003611	0.00123	0.001475
Upper Lim.	0.005	0.005	0.005	0.005	0.006302	0.008929	0.005	0.005
Lower Lim.	0.0037	0.001	0.0026	0.0034	0.0035	0.00541	8E-05	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-51
4/2/2019			0.014					
4/4/2019	0.0001 (J)	<0.005						
9/24/2019	<0.005							
9/26/2019		<0.005						
9/27/2019			0.0071 (J)					
2/25/2020		<0.005						
2/26/2020			0.0029 (J)					
2/27/2020	<0.005			<0.005				
2/28/2020					0.0018 (J)			
3/23/2020			0.0033 (J)					
3/24/2020	<0.005			<0.005				
3/25/2020		<0.005			0.0039 (J)			
9/2/2020				0.003 (J)				
9/3/2020						0.0028 (J)		
9/25/2020		<0.005						
9/28/2020	<0.005		0.0076 (J)					
9/29/2020					0.005 (J)			
1/28/2021								0.014
2/19/2021	<0.005							
2/22/2021		<0.005			0.0094			
2/23/2021								0.013
3/8/2021			0.011			<0.005		
3/9/2021				0.005				
3/25/2021			0.012					
3/26/2021		<0.005						
3/29/2021				<0.005		<0.005		
3/30/2021	<0.005				0.0098			0.01 (J)
4/19/2021							<0.005	
8/19/2021				<0.005				
8/20/2021		<0.005						
8/23/2021			0.0086			<0.005		0.013
8/24/2021	<0.005				0.0096		<0.005	
2/14/2022			0.011	<0.005				0.0042 (J)
2/15/2022						<0.005		
2/16/2022	<0.005				0.0084			
2/17/2022		<0.005					<0.005	
7/28/2022	<0.005	<0.005			0.007			
7/29/2022			0.011					
8/1/2022						<0.005	<0.005	0.0036 (J)
8/2/2022				<0.005				
1/30/2023	<0.005	<0.005						
1/31/2023					0.0097			0.0058
2/1/2023			0.0098				<0.005	
2/7/2023				<0.005		<0.005		
8/18/2023	<0.005				0.0082			
8/21/2023			0.014	0.0019 (J)				0.0097
8/22/2023							<0.005	
8/23/2023						<0.005		
8/24/2023		<0.005						
1/30/2024			0.013			0.0055		
2/5/2024	<0.005							0.004 (J)
2/6/2024				0.0039 (J)			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-49D	BGWC-51
2/7/2024		<0.005			0.0091			
8/20/2024	<0.005		0.012		0.0066			0.0049 (J)
8/21/2024						0.001 (J)	<0.005	
8/22/2024		<0.005		0.0044 (J)				
2/5/2025			0.016					
2/6/2025	<0.005							0.0056
2/10/2025					0.0067		0.0015 (J)	
2/11/2025		0.0034 (J)		0.0045 (J)		0.0019 (J)		
8/6/2025				0.011			0.005	
8/7/2025	<0.005		0.012			0.003 (J)		
8/8/2025					0.0066			
8/11/2025		0.0078						
8/13/2025								0.0062
Mean	0.004694	0.005075	0.01033	0.004907	0.007271	0.0041	0.00465	0.007833
Std. Dev.	0.001225	0.0008291	0.003667	0.001987	0.00241	0.001507	0.001107	0.003882
Upper Lim.	0.005	0.0078	0.01272	0.005	0.008978	0.0055	0.005	0.01088
Lower Lim.	0.0001	0.0034	0.007945	0.0039	0.005565	0.0019	0.005	0.004787

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52
1/28/2021	<0.005
2/23/2021	0.0016 (J)
3/30/2021	<0.005
8/23/2021	<0.005
2/14/2022	0.0018 (J)
7/28/2022	<0.005
1/31/2023	<0.005
8/22/2023	0.0039 (J)
2/5/2024	0.0014 (J)
8/20/2024	0.0022 (J)
2/7/2025	0.0043 (J)
8/11/2025	0.0031 (J)
Mean	0.003608
Std. Dev.	0.001498
Upper Lim.	0.005
Lower Lim.	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-9	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
6/6/2016		<0.001						
6/7/2016			<0.0005		0.0002 (J)	8.5E-05 (J)		
6/8/2016	<0.001						<0.0005	8.5E-05 (J)
8/11/2016	<0.001	<0.001			0.0002 (J)	8E-05 (J)		
8/12/2016			9E-05 (J)				6E-05 (J)	8E-05 (J)
10/5/2016		<0.001						
10/6/2016	<0.001		<0.0005					
10/7/2016					0.0002 (J)	<0.0005	<0.0005	<0.0005
12/5/2016		<0.001	<0.0005					
12/6/2016	<0.001				0.0003 (J)	<0.0005	<0.0005	
12/7/2016								<0.0005
2/15/2017	<0.001	<0.001	<0.0005					
2/16/2017					0.0003 (J)	<0.0005	<0.0005	<0.0005
4/17/2017		<0.001						
4/18/2017	<0.001		9E-05 (J)		0.0002 (J)			
4/19/2017						8E-05 (J)	<0.0005	6E-05 (J)
5/26/2017		<0.001						
5/30/2017					0.0002 (J)	9E-05 (J)		
6/1/2017							<0.0005	8E-05 (J)
6/2/2017	<0.001		<0.0005					
7/11/2017		<0.001						
7/13/2017			8E-05 (J)					
7/14/2017	<0.001				0.0002 (J)	9E-05 (J)	<0.0005	8E-05 (J)
3/27/2018	<0.001	<0.001			0.00019 (J)	<0.0005	<0.0005	<0.0005
3/28/2018			<0.0005					
6/12/2018		<0.001			0.0002 (J)			
6/13/2018	<0.001							
6/14/2018			<0.0005			<0.0005	<0.0005	
6/15/2018								<0.0005
10/17/2018		<0.001	<0.0005			<0.0005		
10/18/2018	<0.001				0.0002 (J)		<0.0005	
10/19/2018								<0.0005
2/25/2019					0.00023 (J)			
2/27/2019						<0.0005	<0.0005	
2/28/2019	<0.001		<0.0005					
3/1/2019								<0.0005
4/1/2019		6.5E-05 (J)	<0.0005					
4/2/2019	7E-05 (J)				0.0002 (J)	7.5E-05 (J)	<0.0005	
4/3/2019								<0.0005
9/24/2019	8.7E-05 (J)	<0.001						
9/25/2019			6E-05 (J)					
9/26/2019					0.00023 (J)	0.00026 (J)	7.1E-05 (J)	8E-05 (J)
2/20/2020		0.00022 (J)			0.00028 (J)			
2/21/2020	9.6E-05 (J)							
2/24/2020			<0.0005			5.9E-05 (J)	6.8E-05 (J)	<0.0005
3/19/2020	0.00011 (J)	0.00018 (J)	6.2E-05 (J)		0.00022 (J)	6.1E-05 (J)		
3/20/2020							<0.0005	<0.0005
5/22/2020				0.00016 (J)				
6/23/2020				0.00011 (J)				
7/28/2020				0.00026 (J)				
9/2/2020				0.00035 (J)				
9/24/2020		<0.001			0.00024 (J)	0.00018 (J)	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-9	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19
9/25/2020	<0.001		<0.0005					
9/28/2020								<0.0005
10/1/2020				0.0005 (J)				
11/10/2020				0.00044 (J)				
12/15/2020				0.00044 (J)				
1/20/2021				0.00031 (J)				
2/17/2021		<0.001						
2/18/2021	<0.001			0.00077 (J)	0.00023 (J)	<0.0005	<0.0005	<0.0005
2/19/2021			<0.0005					
3/24/2021		<0.001	<0.0005	0.00023 (J)	0.00019 (J)	<0.0005	<0.0005	
3/26/2021								<0.0005
3/30/2021	0.00015 (J)							
8/18/2021		<0.001	<0.0005	0.00039 (J)	0.00023 (J)			
8/19/2021	0.00023 (J)					<0.0005	<0.0005	
8/20/2021								<0.0005
2/9/2022				0.00024 (J)				
2/10/2022		<0.001						
2/11/2022	0.0003 (J)		<0.0005		0.00024 (J)	<0.0005		
2/16/2022							<0.0005	0.00021 (J)
7/26/2022		<0.001		0.00047 (J)				
7/27/2022			<0.0005		0.00025 (J)	<0.0005	<0.0005	<0.0005
7/28/2022	0.00029 (J)							
1/26/2023	0.00019 (J)	0.00018 (J)	<0.0005	0.00048 (J)	0.00023 (J)	<0.0005	0.00019 (J)	
1/27/2023								<0.0005
8/16/2023			<0.0005	0.00059 (J)				
8/17/2023	0.00074 (J)	0.0002 (J)			0.00025 (J)	<0.0005	<0.0005	
8/18/2023								<0.0005
2/1/2024		<0.001	<0.0005	0.0006 (J)	<0.001	<0.0005		
2/2/2024	<0.001						<0.0005	<0.0005
8/16/2024	<0.001			0.00064 (J)				
8/19/2024		<0.001	<0.0005		<0.001	<0.0005	<0.0005	<0.0005
2/5/2025		<0.001	<0.0005	0.00066 (J)				
2/6/2025	0.00016 (J)				0.00027 (J)			
2/7/2025						<0.0005	<0.0005	<0.0005
8/4/2025		0.00018 (J)	<0.0005	0.00057				
8/5/2025	0.00015 (J)				0.00025 (J)	<0.0005	<0.0005	
8/6/2025								<0.0005
Mean	0.0006633	0.0008157	0.0004244	0.0004321	0.0002475	0.0003593	0.0004425	0.0003991
Std. Dev.	0.0004125	0.0003521	0.0001653	0.0001823	7.792E-05	0.0001958	0.000145	0.0001796
Upper Lim.	0.001	0.001	0.0005	0.0005389	0.00025	0.0005	0.0005	0.0005
Lower Lim.	0.00019	0.00022	9E-05	0.0003253	0.0002	9E-05	0.00019	0.00021

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
6/8/2016	<0.001	0.00035 (J)						
6/9/2016			0.0001 (J)	0.00022 (J)				
8/12/2016	<0.001							
8/18/2016		0.0005 (J)	<0.001	<0.001				
10/10/2016	<0.001	0.0006 (J)	<0.001	0.0003 (J)				
12/7/2016	<0.001		<0.001	<0.001				
12/8/2016		0.0005 (J)						
1/23/2017					0.0008 (J)			
2/7/2017					0.0008 (J)			
2/17/2017	<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	<0.001		<0.001	0.0004 (J)				
4/20/2017		0.0006 (J)						
5/22/2017					0.0008 (J)			
6/1/2017	<0.001							
6/5/2017		0.0006 (J)	<0.001	0.0004 (J)	0.0007 (J)			
7/11/2017					0.0007 (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)			
3/28/2018	<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					0.00056 (J)			
10/19/2018							<0.0005	
10/22/2018	<0.001	0.00071 (J)	<0.001	0.00047 (J)	0.00034 (J)	0.00014 (J)		<0.0005
2/27/2019	<0.001							
3/1/2019		0.00074 (J)	<0.001	0.0007 (J)	0.00024 (J)			
4/2/2019					0.00024 (J)			
4/3/2019	<0.001	0.0007 (J)	<0.001	0.00064 (J)				
4/4/2019							<0.0005	<0.0005
4/5/2019						0.00046 (J)		
9/24/2019							<0.0005	
9/26/2019	<0.001					0.00017 (J)		<0.0005
9/27/2019		0.00088 (J)	0.00018 (J)		0.00014 (J)			
9/30/2019				0.00069 (J)				
2/24/2020	<0.001							
2/25/2020		0.00062 (J)	0.00015 (J)					<0.0005
2/26/2020				0.00073 (J)	8.5E-05 (J)			
2/27/2020						0.00013 (J)	8.9E-05 (J)	
3/20/2020		0.00063 (J)						
3/23/2020	0.0002 (J)		0.00016 (J)		9.1E-05 (J)			
3/24/2020						8.4E-05 (J)	<0.0005	
3/25/2020				0.00066 (J)				6.8E-05 (J)
9/24/2020		0.001	0.00038 (J)					
9/25/2020				0.00057 (J)	<0.0005	0.00014 (J)		<0.0005
9/28/2020	<0.001						<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
2/18/2021	<0.001							
2/19/2021		0.00089 (J)	0.00039 (J)	0.0005 (J)			<0.0005	
2/22/2021								0.00016 (J)
2/23/2021						0.00015 (J)		
3/8/2021					<0.0005			
3/25/2021					<0.0005			
3/26/2021			0.00069 (J)	0.00057 (J)				<0.0005
3/29/2021	<0.001	0.0009 (J)						
3/30/2021						0.00016 (J)	<0.0005	
8/19/2021					0.00022 (J)			
8/20/2021	0.00025 (J)							0.00026 (J)
8/23/2021		0.00088 (J)	<0.001	0.00051 (J)				
8/24/2021							<0.0005	
8/25/2021						<0.0005		
2/14/2022			<0.001		<0.0005			
2/15/2022		0.0011		0.00045 (J)				
2/16/2022	<0.001					<0.0005	<0.0005	
2/17/2022								<0.0005
7/27/2022	<0.001							
7/28/2022							<0.0005	0.00022 (J)
7/29/2022						<0.0005		
8/1/2022			<0.001		<0.0005			
8/2/2022		0.00098 (J)		<0.001				
10/21/2022				0.00032 (J)				
1/30/2023	<0.001						<0.0005	<0.0005
1/31/2023						<0.0005		
2/1/2023				0.00035 (J)	<0.0005			
2/2/2023			0.00027 (J)					
2/7/2023		0.0008 (J)						
8/18/2023	<0.001					<0.0005	<0.0005	
8/21/2023					<0.0005			
8/22/2023		0.0013						
8/23/2023			<0.001					
8/24/2023								<0.0005
8/25/2023				0.00028 (J)				
1/30/2024				<0.001				
2/5/2024	<0.001						<0.0005	
2/6/2024					<0.0005			
2/7/2024								<0.0005
2/8/2024		0.00083 (J)	<0.001			<0.0005		
8/20/2024	<0.001						<0.0005	
8/21/2024		0.00064 (J)		<0.001		<0.0005		
8/22/2024			0.00057 (J)		<0.0005			<0.0005
2/6/2025	0.00023 (J)						<0.0005	
2/10/2025					<0.0005			
2/11/2025			0.00038 (J)	0.0002 (J)				<0.0005
2/12/2025						<0.0005		
2/13/2025		0.0011						
8/5/2025					<0.0005			
8/7/2025	0.00025 (J)	0.00064					<0.0005	
8/11/2025			0.00036 (J)	0.00028 (J)				<0.0005
8/12/2025						<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
Mean	0.0008904	0.0007539	0.0007368	0.00055	0.0004927	0.0003491	0.0004758	0.000424
Std. Dev.	0.0002736	0.000211	0.0003515	0.0002533	0.000207	0.0001821	9.968E-05	0.0001458
Upper Lim.	0.001	0.0008525	0.001	0.0004939	0.0003705	0.0005	0.0005	0.0005
Lower Lim.	0.00025	0.0006553	0.00038	0.000338	0.0001774	0.00014	8.9E-05	0.00026

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	PZ-7
10/17/2018	0.00026 (J)						
4/2/2019	0.00022 (J)						
9/27/2019	0.00037 (J)						
2/26/2020	0.00013 (J)						
2/27/2020		0.0027					
2/28/2020			<0.0005				
3/23/2020	0.00011 (J)						
3/24/2020		5.6E-05 (J)					
3/25/2020			0.00014 (J)				
9/2/2020		0.00042 (J)					
9/3/2020				0.0024			
9/28/2020	0.00019 (J)						
9/29/2020			<0.0005				
1/28/2021					0.0002 (J)	0.00045 (J)	
2/22/2021			<0.0005				
2/23/2021					<0.0005	0.00023 (J)	
3/8/2021	0.0002 (J)			0.0015			
3/9/2021		<0.001					
3/25/2021	0.00019 (J)						
3/29/2021		0.00018 (J)		0.0016			
3/30/2021			<0.0005		0.0004 (J)	0.00024 (J)	
8/19/2021		<0.001					
8/23/2021	0.00024 (J)			0.0028	<0.0005	0.00037 (J)	
8/24/2021			<0.0005				
2/14/2022	0.00022 (J)	<0.001			<0.0005	<0.0005	
2/15/2022				0.0034			
2/16/2022			<0.0005				
4/28/2022							<0.001
7/28/2022			<0.0005			<0.0005	
7/29/2022	0.00018 (J)						
8/1/2022				0.0028	<0.0005		
8/2/2022		<0.001					<0.001
1/31/2023			<0.0005		<0.0005	0.0002 (J)	
2/1/2023	<0.001						
2/2/2023							<0.001
2/7/2023		<0.001		0.0011			
8/18/2023			<0.0005				
8/21/2023	<0.001	<0.001			<0.0005		
8/22/2023						<0.0005	
8/23/2023				0.0021			
1/30/2024	<0.001			0.0055			
2/5/2024					<0.0005	<0.0005	
2/6/2024		<0.001					
2/7/2024			<0.0005				
4/3/2024				0.0021			
8/20/2024	<0.001		<0.0005		<0.0005	0.00039 (J)	
8/21/2024				0.0022			
8/22/2024		0.00093 (J)					0.00042 (J)
2/5/2025	0.0002 (J)						
2/6/2025					<0.0005		
2/7/2025						<0.0005	0.0002 (J)
2/10/2025			<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2025 2:11 PM View: Appendix IV Confidence Intervals

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	PZ-7
2/11/2025		0.0013		0.0024			
8/6/2025		0.00016 (J)					
8/7/2025	0.00017 (J)			0.0021			
8/8/2025			<0.0005				
8/11/2025						<0.0005	0.00036 (J)
8/13/2025					<0.0005		
Mean	0.0003929	0.0009104	0.0004743	0.002462	0.0004667	0.0004067	0.0006633
Std. Dev.	0.0003515	0.0006491	9.621E-05	0.001093	8.876E-05	0.0001196	0.0003757
Upper Lim.	0.001	0.0013	0.0005	0.003154	0.0005	0.0005	0.0004833
Lower Lim.	0.00018	0.00018	0.00014	0.001694	0.0004	0.00023	0.0002008

ND substitution: RL or RL/2 if <15% NDs.

FIGURE K.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:34 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BGWC-16**	**0.0009632**	**279**	**101**	**Yes**	**28**	**3.571**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.00271**	**190**	**117**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**BGWC-20**	**0.0056**	**198**	**101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

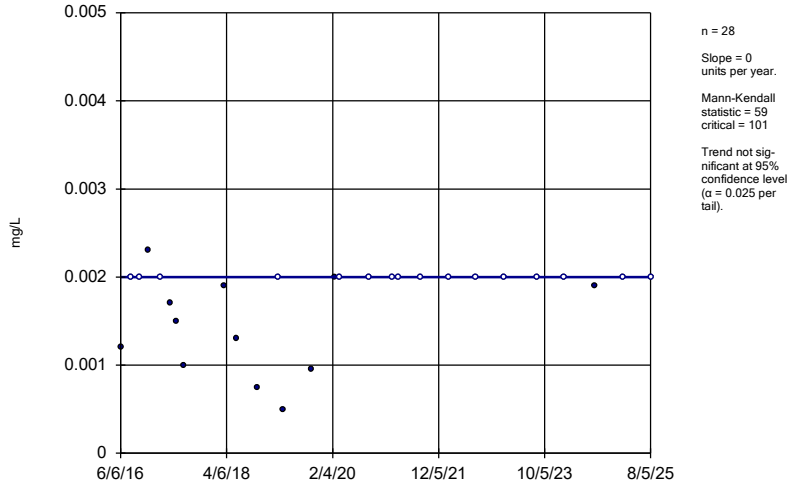
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 9/17/2025, 12:34 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	59	101	No	28	57.14	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	55	101	No	28	64.29	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	34	58	No	19	78.95	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0	-10	-58	No	19	36.84	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWC-34D	-0.0003516	-46	-58	No	19	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	29	106	No	29	89.66	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	16	58	No	19	94.74	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	23	58	No	19	89.47	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BGWC-16**	**0.0009632**	**279**	**101**	**Yes**	**28**	**3.571**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BGWC-22**	**0.00271**	**190**	**117**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BGWA-2 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-29 (bg)	0	-83	-101	No	28	67.86	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-47D (bg)	0	-46	-58	No	19	78.95	n/a	n/a	0.05	NP
Lithium (mg/L)	BGWA-48D (bg)	0	57	58	No	19	63.16	n/a	n/a	0.05	NP
Lithium (mg/L)	**BGWC-20**	**0.0056**	**198**	**101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BGWA-2 (bg)	0	94	106	No	29	58.62	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	3	101	No	28	96.43	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	18	58	No	19	94.74	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.0001085	-4	-58	No	19	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWC-43D	-0.005105	-13	-41	No	15	0	n/a	n/a	0.05	NP

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 59
critical = 101

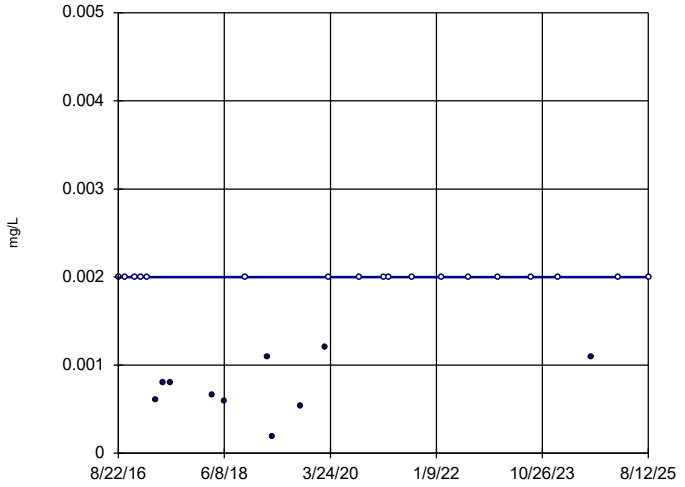
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 55
critical = 101

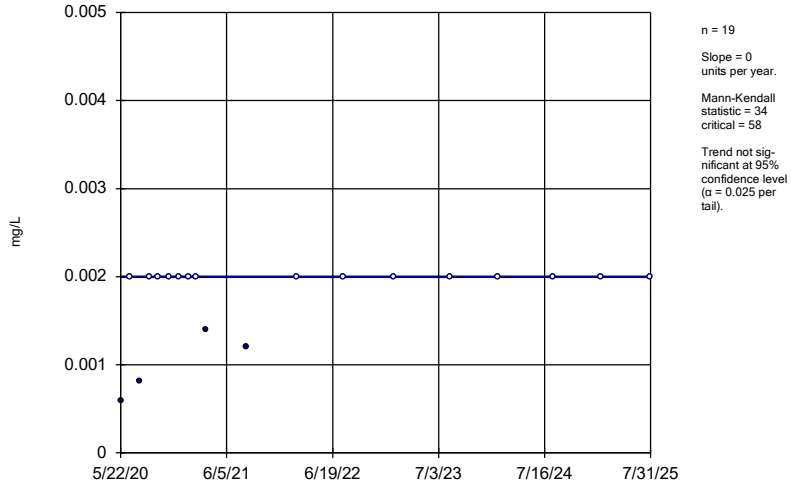
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 34
critical = 58

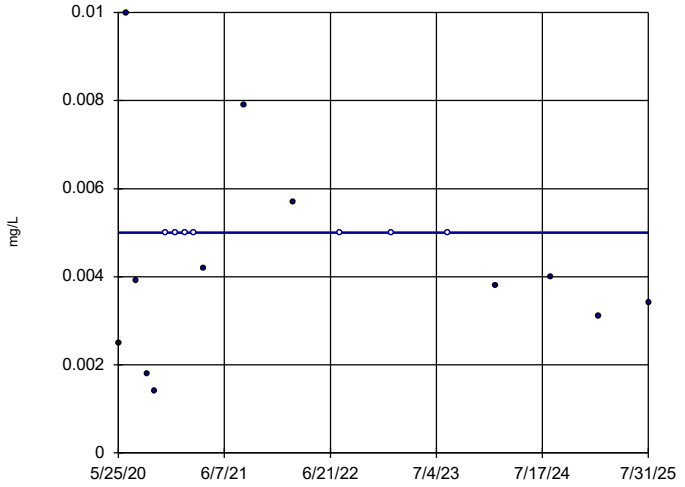
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -10
critical = -58

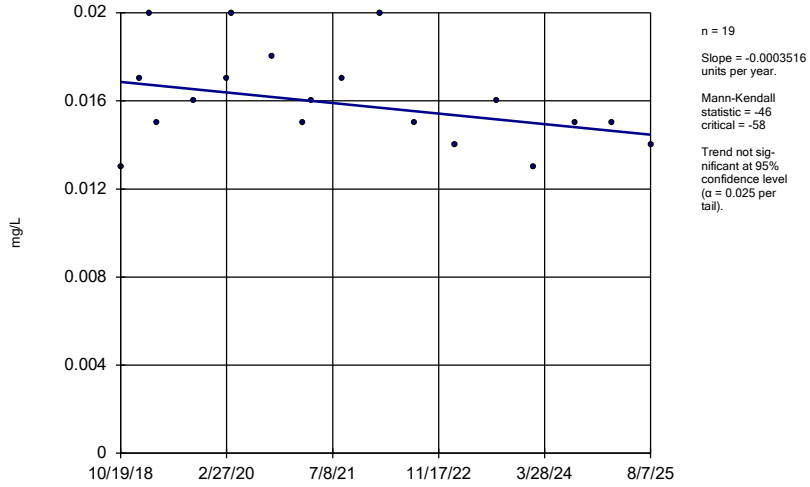
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-34D



n = 19

Slope = -0.0003516 units per year.

Mann-Kendall statistic = -46
critical = -58

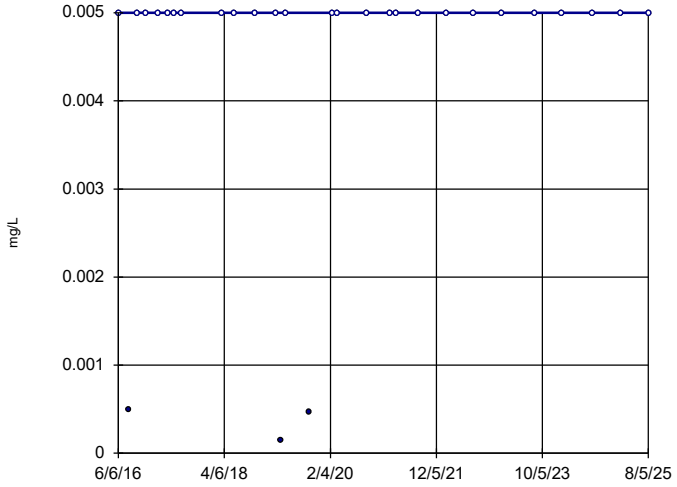
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 29
critical = 106

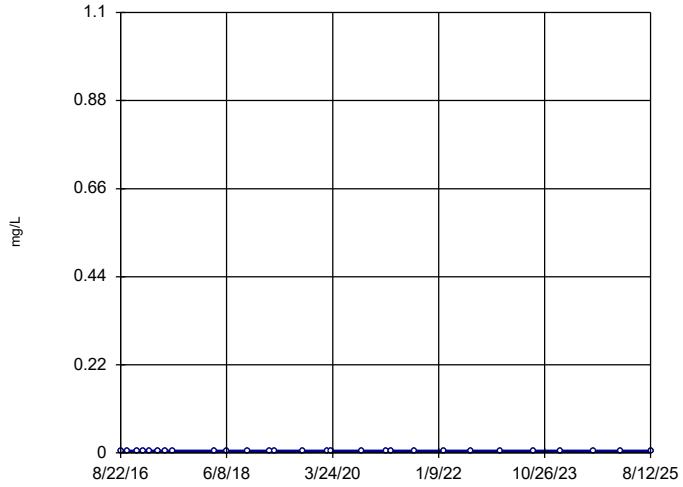
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 101

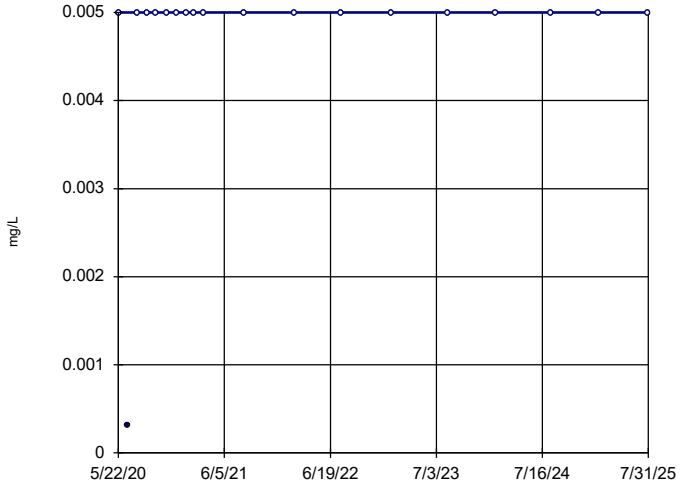
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 58

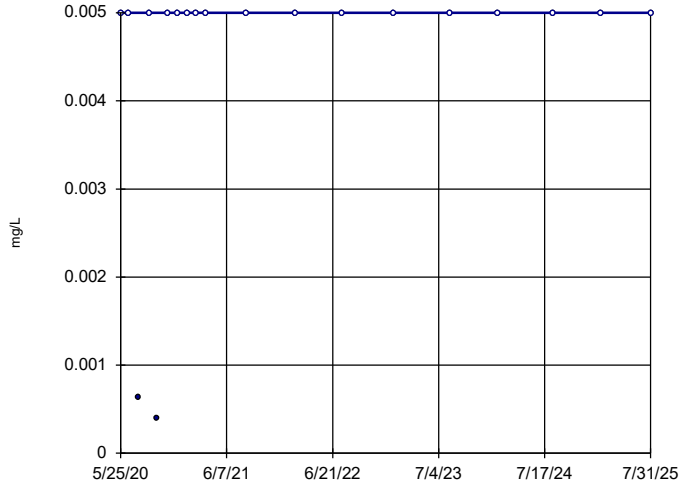
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0
units per year.

Mann-Kendall
statistic = 23
critical = 58

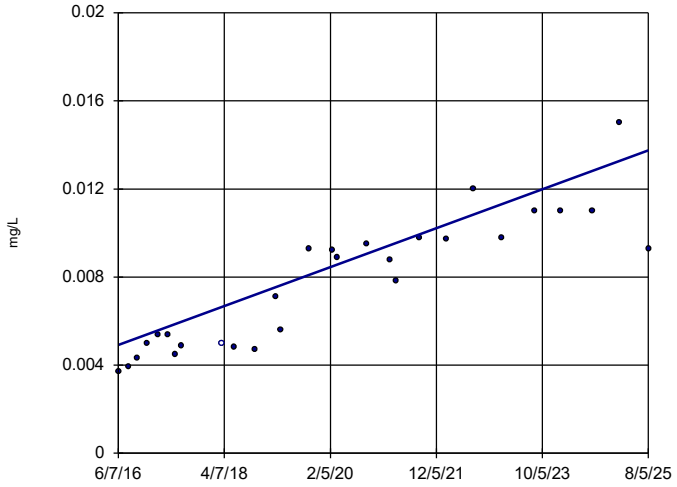
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWC-16



n = 28

Slope = 0.0009632
units per year.

Mann-Kendall
statistic = 279
critical = 101

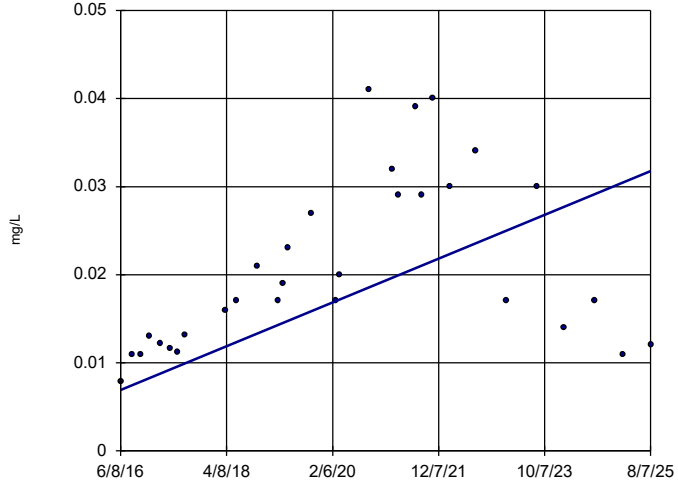
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-22



n = 31

Slope = 0.00271
units per year.

Mann-Kendall
statistic = 190
critical = 117

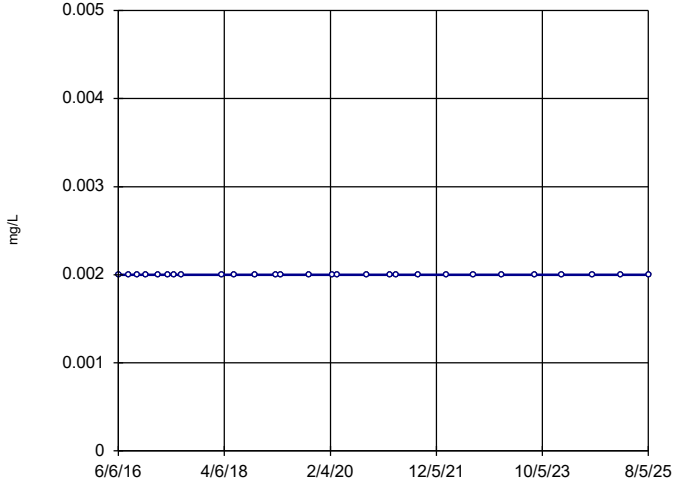
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 28

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 101

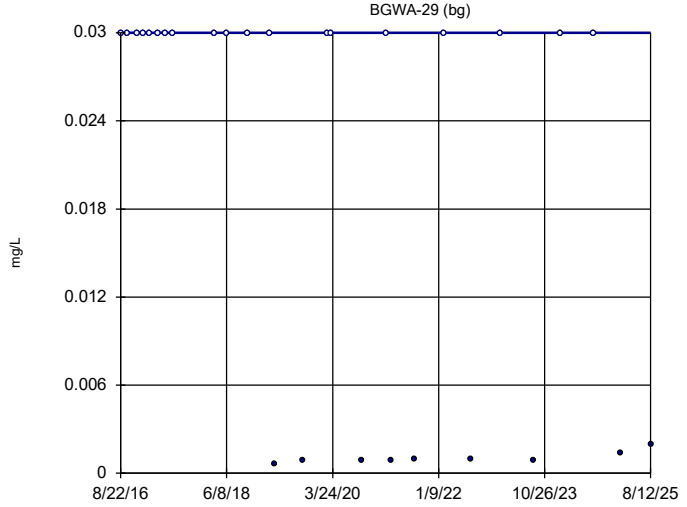
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Lithium Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -83 critical = -101

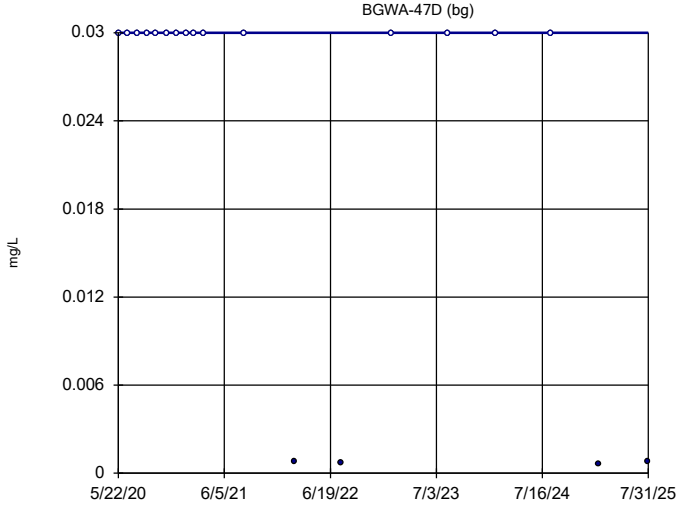
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -46 critical = -58

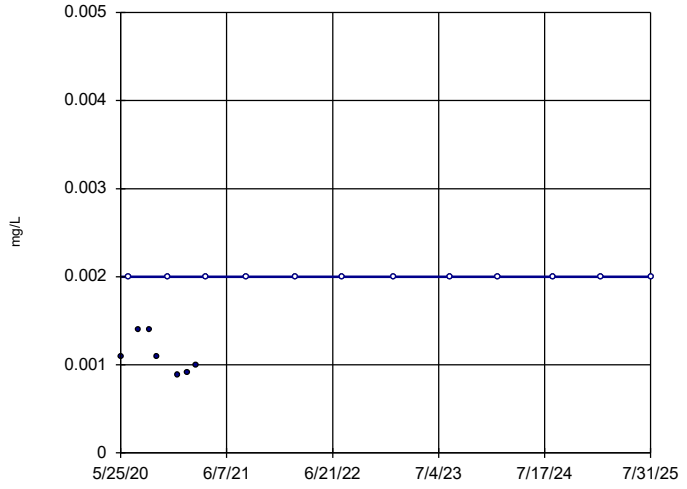
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 57 critical = 58

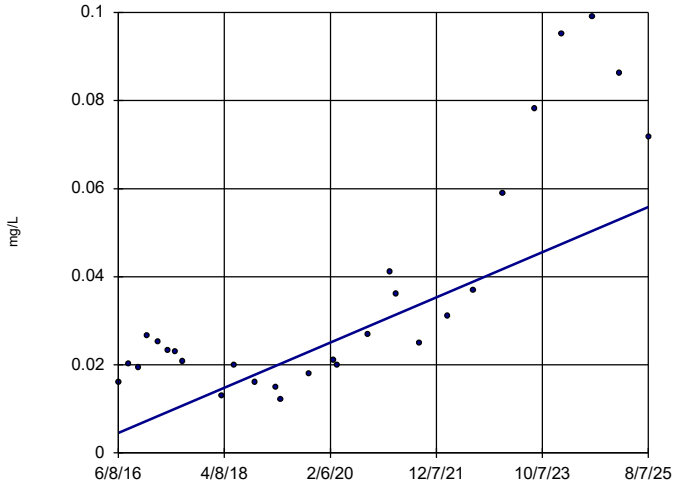
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-20



n = 28

Slope = 0.0056 units per year.

Mann-Kendall statistic = 198 critical = 101

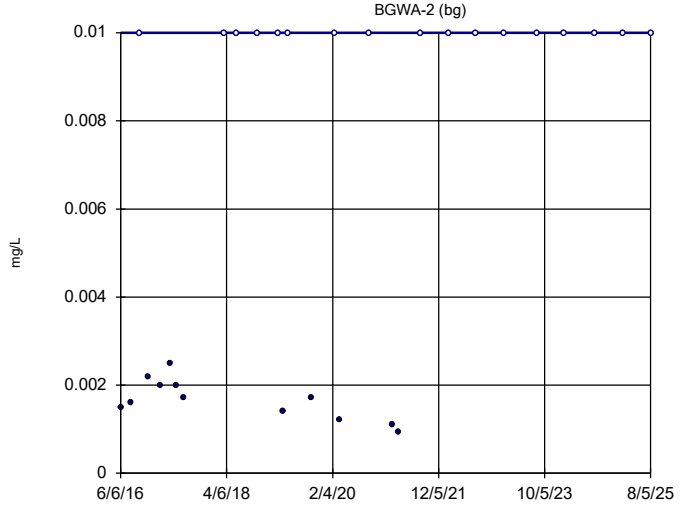
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-2 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 94
critical = 106

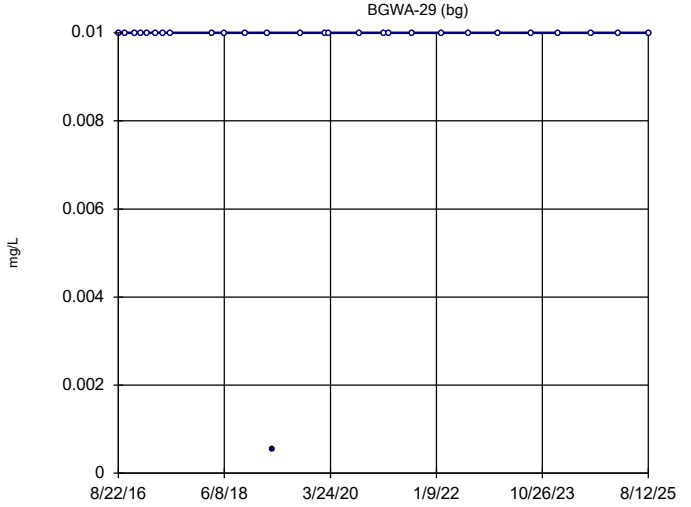
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 101

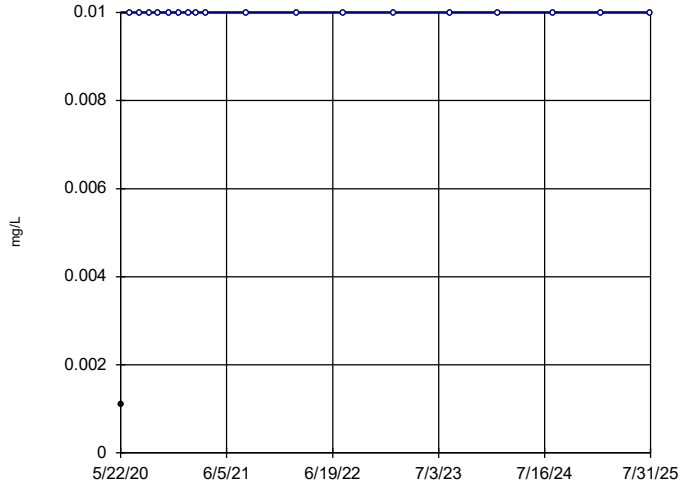
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BGWA-47D (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 58

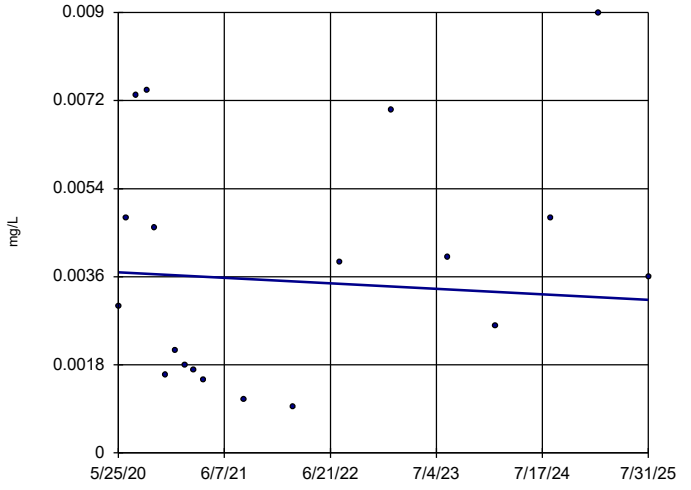
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWA-48D (bg)



n = 19

Slope = -0.0001085 units per year.

Mann-Kendall statistic = -4
critical = -58

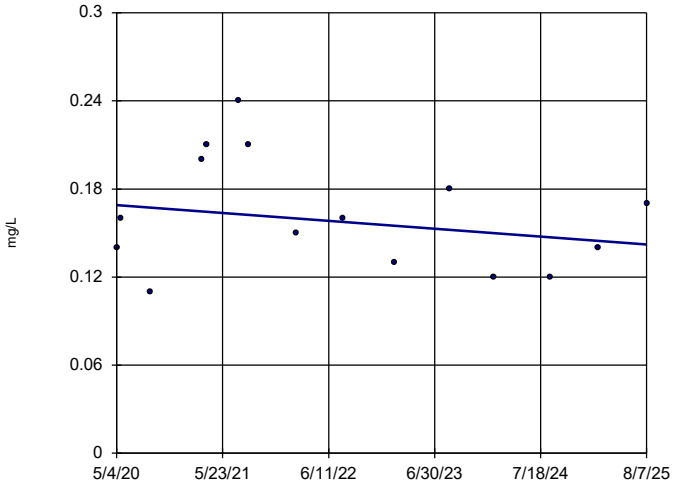
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.27 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BGWC-43D



n = 15

Slope = -0.005105 units per year.

Mann-Kendall statistic = -13
critical = -41

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 9/17/2025 12:33 PM View: Appendix IV Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

APPENDIX D

2025 Semiannual Pilot Study Progress Summary

2025 Semiannual Pilot Study Progress Summary

Plant Bowen Ash Pond 1 (AP-1)

Prepared by:

Geosyntec Consultants, Inc.
1255 Roberts Blvd NW Suite 200
Kennesaw, GA 30144

Prepared for:

Georgia Power Company
317 Covered Bridge Rd SW,
Cartersville, GA 30120

CERTIFICATION STATEMENT

This 2025 Semiannual Pilot Study Progress Summary, *Georgia Power Company – 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.



Martin Crook, P.G.

Senior Geologist

January 30, 2026

2025 Semiannual Pilot Study Progress Summary

Plant Bowen Ash Pond 1 (AP-1)

Georgia Power Company

January 30, 2026

Introduction

This Pilot Study Progress Memorandum (Memo) was developed by Geosyntec Consultants, Inc. (Geosyntec) as part of implementing the Assessment of Corrective Measures (ACM) process at Georgia Power Company (Georgia Power) Plant Bowen Ash Pond 1 (AP-1). ACM Pilot Study activities were initiated at the site after assessment well BGWC-22 exceeded its respective Groundwater Protection Standard (GWPS) for cobalt. Nature and extent of cobalt can be found in the adjoining 2025 *Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen AP-1* (Figures 5 and 7). A Draft Remedy Selection Report, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to Georgia Environmental Protection Division (GA EPD) on February 28, 2023, with revisions provided on July 5, 2024, (Geosyntec, 2023; Geosyntec, 2024). Following GA EPD's approval of the Pilot Study Workplan (Geosyntec, 2025a) on March 14, 2025, a pilot study was initiated at AP-1 in support of the ongoing remedy selection process. The purpose of this Pilot Study Progress Memo is to provide an update concerning the pilot study results between August 1, 2025, to December 31, 2025.

Pilot Study Summary

Injection activities were performed from April 22 to 27, 2025, by Southern Company Services Civil Field Services (CFS) with technical supervision conducted by Geosyntec. Approximately 5,000 gallons (gal) of sodium bicarbonate ($NaHCO_3$), ranging from 3 to 6 grams per liter (g/L), and 350 gal of potable water, totaling 5,350 gal, were administered at the BGWC-22 pilot study area. Injections were also performed from July 7 to 17, 2025, with approximately 3,002 gal of $NaHCO_3$ solution at a dosage of 0.5 g/L and 101 gal of potable water were administered at the same pilot study area. All pilot study injection activities were completed in accordance with the GA EPD approved Pilot Test Notification Form and Pilot Study Workplan.

Additional details pertaining to the remedial implementation (baseline characterization, mixing strategy, and dose response monitoring) are provided in the Pilot Study Post-Injection Event Report (Geosyntec, 2025b), which was submitted to GA EPD on June 6, 2025 and included in the 2025 Semiannual Pilot Study Progress Summary adjoining the 2025 Semiannual Groundwater Monitoring and Corrective Action Report (Geosyntec, 2025c). Field forms associated with the second injection are included in **Appendix A**.

Sampling Summary

A post-injection performance monitoring program was initiated on May 1, 2025, during which groundwater samples were collected from temporary corrective action piezometers INW-01, PT-02, PT-04, PT-05, and PT-06. The lab data summary, laboratory reports, and field logs associated with post-injection performance monitoring events conducted through June 30, 2025, were provided with the prior 2025 Semiannual Pilot Study Progress Summary included as an appendix to the 2025 Semiannual Groundwater Monitoring and Corrective Action Report (Geosyntec, 2025c). Post-injection performance monitoring continued during the reporting period with the sampling schedule provided in **Table 1**. This sampling schedule was updated from the Pilot Study Workplan (Geosyntec, 2025a) to reflect the second injection in July 2025 and subsequent post-injection performance monitoring. Based on the stabilized performance data observed in recent monitoring events, a request to reduce the duration of the post-injection performance program was submitted to GA EPD on January 15, 2026 (Geosyntec, 2026). The total duration of monitoring is expected to be reduced with approval from GA EPD.

Groundwater samples collected from the temporary corrective action piezometers were analyzed for the complete suite of Appendix III and Appendix IV constituents[1] (except total radium) and select metals and inorganics necessary to evaluate groundwater geochemistry. The groundwater analytical results from the post-injection performance monitoring events received between July 1 and December 31, 2025 are summarized in **Table 2**. Time series for cobalt associated with the pilot study are included in **Figure 1**. The field and laboratory reports associated with these results are provided in **Appendix B** and **C**, respectively. Results received after December 31, 2025, will be summarized in the Pilot Study Summary Report and appended to the next groundwater monitoring and corrective action report.

Summary

Updates concerning the pilot study progress will continue to be reported to GA EPD as a brief progress memorandum included as part of the subsequent semiannual groundwater monitoring and corrective action reporting. A Pilot Study Summary Report will be prepared at the conclusion of the post-injection performance monitoring program associated with the pilot study and submitted as a stand-alone document. Observations and reporting as a result of the pilot study will be used in the design and implementation of corrective measures moving forward. If pilot study results support full-scale implementation, Georgia Power anticipates receiving written authorization from GA EPD to hold the public meeting with the selected remedy of geochemical approaches (in-situ injection) and MNA. After the public meeting, Georgia Power will revise the Draft Remedy Selection Report, incorporating the public meeting comments.

[1] Intermediate samples during weeks 2 and 4 were analyzed for select Appendix III and Appendix IV constituents.

References

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

Geosyntec, 2024. Draft Remedy Selection Report, Georgia Power Company, Plant Bowen Ash Pond 1 (AP-1). July 2024.

Geosyntec, 2025a. BGWC-22 Pilot Study Work Plan, Georgia Power Company, Plant Bowen Ash Pond 1 (AP-1). February 2025.

Geosyntec, 2025b. Pilot Study Post-Injection Event Report, Georgia Power Company, Plant Bowen Ash Pond 1 (AP-1). June 2025.

Geosyntec, 2025c. 2025 Semiannual Groundwater Monitoring and Corrective Action Report – Plant Bowen Ash Pond 1 (AP-1). August 2025.

2025 Semiannual Pilot Study Progress Summary

Attachments

Tables

1) Performance Monitoring Program Summary

2) Pilot Study Groundwater Analytical Data Summary

Figures

1) Time Series – BGWC–22 Pilot Study Area

Appendices

A) Injection Field Forms

B) Performance Monitoring Field Forms

C) Laboratory Reports

TABLES

Table 1
Performance Monitoring Program Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

Parameter		Analytical Method	GWPS [1,2] (mg/L)	Baseline Sampling [3]	Post-injection Monitoring [4]					
					Week 1	Week 2 [5]	Week 3	Week 4 [5]	Week 6	Month 2
APPENDIX III	Boron	EPA 6010B/6020B	--	X	X		X		X	X
	Calcium	EPA 6010B/6020B	--	X	X		X		X	X
	Chloride	300.0/300.1/9250/9251/9253/9056A	--	X	X		X		X	X
	Fluoride	300.0/300.1/9214/9056A	--	X	X		X		X	X
	pH	150.1 field	--	X	X		X		X	X
	Sulfate	9035/9036/9038/300.0/300.1/9056A	--	X	X		X		X	X
	TDS	160/2540C	--	X	X		X		X	X
APPENDIX IV	Antimony	EPA 7040/7041/6010D/6020B	0.006	X	X		X		X	X
	Arsenic	EPA 7060A/7061A/6010D/6020B	0.01	X	X		X		X	X
	Barium	EPA 7080A/7081/6010D/6020B	2	X	X		X		X	X
	Beryllium	EPA 7090/7091/6010D/6020B	0.004	X	X		X		X	X
	Cadmium	EPA 7130/7131A/6020B	0.005	X	X		X		X	X
	Chromium	EPA 7190/7191/6010D/6020B	0.1	X	X		X		X	X
	Cobalt	EPA 7200/7201/6010D/6020B	0.006	X	X		X		X	X
	Fluoride	300.0/300.1/9214/9056A	4	X	X		X		X	X
	Lead	EPA 6010B/6020B	0.015	X	X		X		X	X
	Lithium	EPA 6010D/6020B	0.04	X	X		X		X	X
	Mercury	EPA 7470	0.002	X	X		X		X	X
	Molybdenum	EPA 6010D/6020B	0.1	X	X		X		X	X
	Selenium	EPA 7740/7741A/6010D/6020B	0.05	X	X		X		X	X
	Thallium	EPA 7840/7841/6010D/6020B	0.002	X	X		X		X	X
GEOCHEM	Bicarbonate Alkalinity	SM2320B-2011	--	X	X		X		X	X
	Total Alkalinity	SM2320B-2011	--	X	X		X		X	X
	Iron	EPA 7190/7191/6010D/6020B	--	X	X				X	X
	Magnesium	EPA 7200/7201/6010D/6020B	--	X	X				X	X
	Manganese	EPA 7190/7191/6010D/6020B	--	X	X				X	X
	Potassium	EPA 7200/7201/6010D/6020B	--	X	X				X	X
	Sodium	EPA 7200/7201/6010D/6020B	--	X	X				X	X
	Sulfide	SM4500-S2D	--	X	X				X	X
FIELD	Temperature	--	--	X	X		X		X	X
	pH	--	--	X	X		X		X	X
	ORP	--	--	X	X		X		X	X
	Turbidity	--	--	X	X		X		X	X
	Specific Conductance	--	--	X	X		X		X	X
	Dissolved Oxygen	--	--	X	X		X		X	X

Notes:
CCR - Coal Combustion Residuals
GA EPD - Georgia Environmental Protection Division
GWPS - Groundwater Protection Standard, expressed in mg/L
MCL - Maximum Contaminant Level
mg/L - milligrams per liter
ORP - oxidation reduction potential
Q - quarter
TDS - total dissolved solids
-- - Not Applicable
(1) 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.
(2) Appendix IV parameters will be screened against the site-specific GWPS which are reported in mg/L.
(3) Baseline and post-injection sampling includes temporary corrective action piezometers INW-01, PT-02, PT-04, PT-05, and PT-06.
(4) The total duration of monitoring was reduced with approval from GA EPD. Frequency of analysis of certain post-injection parameters may be adjusted based on field observations. For example, Appendix IV constituents detected after injections may be analyzed more frequently.
(5) Estimated groundwater velocity suggests that a minimum of two weeks is required to obtain a physically independent and representative sample.

Table 1
Performance Monitoring Program Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

Parameter		Analytical Method	GWPS [1,2] (mg/L)	Post-injection Monitoring [4]								
				Week 1	Week 2 [5]	Week 3	Week 4 [5]	Week 6	Month 2	Month 3	Month 5	2026Q1
APPENDIX III	Boron	EPA 6010B/6020B	--	X	X	X	X	X	X	X	X	X
	Calcium	EPA 6010B/6020B	--	X	X	X	X	X	X	X	X	X
	Chloride	300.0/300.1/9250/9251/9253/9056A	--	X	X	X	X	X	X	X	X	X
	Fluoride	300.0/300.1/9214/9056A	--	X		X		X	X	X	X	X
	pH	150.1 field	--	X		X		X	X	X	X	X
	Sulfate	9035/9036/9038/300.0/300.1/9056A	--	X	X	X	X	X	X	X	X	X
	TDS	160/2540C	--	X		X		X	X	X	X	X
APPENDIX IV	Antimony	EPA 7040/7041/6010D/6020B	0.006	X		X		X	X	X	X	X
	Arsenic	EPA 7060A/7061A/6010D/6020B	0.01	X		X		X	X	X	X	X
	Barium	EPA 7080A/7081/6010D/6020B	2	X		X		X	X	X	X	X
	Beryllium	EPA 7090/7091/6010D/6020B	0.004	X		X		X	X	X	X	X
	Cadmium	EPA 7130/7131A/6020B	0.005	X		X		X	X	X	X	X
	Chromium	EPA 7190/7191/6010D/6020B	0.1	X		X		X	X	X	X	X
	Cobalt	EPA 7200/7201/6010D/6020B	0.006	X	X	X	X	X	X	X	X	X
	Fluoride	300.0/300.1/9214/9056A	4	X		X		X	X	X	X	X
	Lead	EPA 6010B/6020B	0.015	X		X		X	X	X	X	X
	Lithium	EPA 6010D/6020B	0.04	X		X		X	X	X	X	X
	Mercury	EPA 7470	0.002	X		X		X	X	X	X	X
	Molybdenum	EPA 6010D/6020B	0.1	X	X	X	X	X	X	X	X	X
	Selenium	EPA 7740/7741A/6010D/6020B	0.05	X		X		X	X	X	X	X
	Thallium	EPA 7840/7841/6010D/6020B	0.002	X		X		X	X	X	X	X
GEOCHEM	Bicarbonate Alkalinity	SM2320B-2011	--	X	X	X	X	X	X	X	X	X
	Total Alkalinity	SM2320B-2011	--	X	X	X	X	X	X	X	X	X
	Iron	EPA 7190/7191/6010D/6020B	--	X	X	X	X	X		X		X
	Magnesium	EPA 7200/7201/6010D/6020B	--	X	X	X	X	X		X		X
	Manganese	EPA 7190/7191/6010D/6020B	--	X		X		X		X		X
	Potassium	EPA 7200/7201/6010D/6020B	--	X	X	X	X	X		X		X
	Sodium	EPA 7200/7201/6010D/6020B	--	X	X	X	X	X		X		X
	Sulfide	SM4500-S2D	--	X		X		X		X		X
FIELD	Temperature	--	--	X	X	X	X	X	X	X	X	X
	pH	--	--	X	X	X	X	X	X	X	X	X
	ORP	--	--	X	X	X	X	X	X	X	X	X
	Turbidity	--	--	X	X	X	X	X	X	X	X	X
	Specific Conductance	--	--	X	X	X	X	X	X	X	X	X
	Dissolved Oxygen	--	--	X	X	X	X	X	X	X	X	X

Second Injection

Notes:
CCR - Coal Combustion Residuals
GA EPD - Georgia Environmental Protection Division
GWPS - Groundwater Protection Standard, expressed in mg/L
MCL - Maximum Contaminant Level
mg/L - milligrams per liter
ORP - oxidation reduction potential
Q - quarter
TDS - total dissolved solids
-- - Not Applicable

(1) 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.
(2) Appendix IV parameters will be screened against the site-specific GWPS which are reported in mg/L.
(3) Baseline and post-injection sampling includes temporary corrective action piezometers INW-01, PT-02, PT-04, PT-05, and PT-06.
(4) The total duration of monitoring was reduced with approval from GA EPD. Frequency of analysis of certain post-injection parameters may be adjusted based on field observations. For example, Appendix IV constituents detected after injections may be analyzed more frequently.
(5) Estimated groundwater velocity suggests that a minimum of two weeks is required to obtain a physically independent and representative sample.

Table 2
Pilot Study Groundwater Analytical Data Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	INW-01	INW-01	INW-01	INW-01	INW-01	INW-01	INW-01	PT-02	PT-02	PT-02
	Sample Date	07/24/2025	07/30/2025	08/06/2025	08/12/2025	08/27/2025	09/15/2025	10/15/2025	07/07/2025	07/08/2025	07/09/2025
ANALYTE	UNITS										
Appendix III											
Boron	mg/L	7.0	9.5	9.6	9.5	10.5	7.8	NA	7.9	7.8	8.0
Calcium	mg/L	243	309	309	299	348	218	NA	250	220	260
Chloride	mg/L	262	331	339	396	373	228	NA	390	370	330
Fluoride	mg/L	0.41	NA	0.36	NA	0.30	0.25	NA	NA	NA	NA
pH, Field	SU	7.04	6.94	6.92	6.88	6.93	6.99	6.85	7.01	7.08	7.05
Sulfate	mg/L	256	308	310	350	337	253	NA	380	370	320
TDS	mg/L	1380	NA	1640	NA	1860	1140	NA	NA	NA	NA
Appendix IV											
Antimony	mg/L	< 0.00050	NA	< 0.00050	NA	< 0.00050	< 0.00050	NA	NA	NA	NA
Arsenic	mg/L	< 0.0012	NA	< 0.0012	NA	< 0.0012	< 0.0012	NA	NA	NA	NA
Barium	mg/L	0.074	NA	0.070	NA	0.067	0.059	NA	NA	NA	NA
Beryllium	mg/L	< 0.00015	NA	< 0.00015	NA	< 0.00015	< 0.00015	NA	NA	NA	NA
Cadmium	mg/L	< 0.00012	NA	< 0.00012	NA	< 0.00012	< 0.00012	NA	NA	NA	NA
Chromium	mg/L	< 0.0012	NA	< 0.0012	NA	< 0.0012	< 0.0012	NA	NA	NA	NA
Cobalt	mg/L	0.0046 J	0.0075	0.0086	0.0060	0.0063	0.0029 J	NA	0.00062 J	0.00070 J	0.00088 J
Lead	mg/L	< 0.00025	NA	< 0.00025	NA	< 0.00025	< 0.00025	NA	NA	NA	NA
Lithium	mg/L	0.0107	NA	0.0105	NA	0.0108	0.00670	NA	NA	NA	NA
Mercury	mg/L	< 0.000091	NA	0.00018 J	NA	< 0.000091	< 0.000091	NA	NA	NA	NA
Molybdenum	mg/L	0.058	0.051	0.048	0.048	0.041	0.035	NA	0.036	0.035	0.033
Selenium	mg/L	0.0032 J	NA	0.0014 J	NA	0.0040 J	0.0023 J	NA	NA	NA	NA
Thallium	mg/L	0.00025 J	NA	0.00034 J	NA	0.00060	0.00055	NA	NA	NA	NA
Fluoride	mg/L	0.41	NA	0.36	NA	0.30	0.25	NA	NA	NA	NA
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	251	210	209	189	172	280	NA	160	170	180
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	NA	NA	NA	NA
Total Alkalinity as CaCO3	mg/L	251	210	209	189	172	280	NA	160	170	180
Iron	mg/L	0.45	6.1	10.7	0.45	0.42	NA	NA	< 0.035	< 0.035	< 0.035
Magnesium	mg/L	36.8	44.2	43.8	46.8	55.9	NA	NA	40	39	41
Manganese	mg/L	1.5	NA	2.3	NA	2.6	NA	NA	NA	NA	NA
Potassium	mg/L	8.0	8.4	8.4	9.4	9.3	NA	NA	9.1	8.0	8.3
Sodium	mg/L	86.8	74.6	67.6	58.8	50.5	NA	NA	25	29	40
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	NA	NA	NA	NA	NA

Notes:
mg/L - milligrams per liter
SU - Standard Units
TDS - Total Dissolved Solids
NA - Indicates not analyzed
< - indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
(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).
(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, and alkalinity was analyzed by Standard Method 2320B-2011.
(3) The pH value presented was recorded at the time of sample collection in the field.

Table 2
Pilot Study Groundwater Analytical Data Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02
	Sample Date	07/10/2025	07/14/2025	07/15/2025	07/16/2025	07/17/2025	07/18/2025	07/24/2025	07/30/2025	08/06/2025	08/12/2025
ANALYTE	UNITS										
Appendix III											
Boron	mg/L	8.1	8.5	6.5	3.5	3.5	5.0	6.2	7.4	7.2	7.9
Calcium	mg/L	270	290	200	200	150	130	195	244	246	252
Chloride	mg/L	340	300	200	130	100	150	198	262	289	317
Fluoride	mg/L	NA	NA	NA	NA	NA	NA	0.40	NA	0.28	NA
pH, Field	SU	7.04	7.02	7.16	7.46	7.51	7.31	7.01	6.89	6.94	6.86
Sulfate	mg/L	330	240	240	250	150	130	206	254	271	287
TDS	mg/L	NA	NA	NA	NA	NA	NA	1090	NA	1360	NA
Appendix IV											
Antimony	mg/L	NA	NA	NA	NA	NA	NA	< 0.00050	NA	< 0.00050	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	< 0.0012	NA	< 0.0012	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA	0.048	NA	0.044	NA
Beryllium	mg/L	NA	NA	NA	NA	NA	NA	< 0.00015	NA	< 0.00015	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	0.00014 J	NA	0.00014 J	NA
Chromium	mg/L	NA	NA	NA	NA	NA	NA	< 0.0012	NA	< 0.0012	NA
Cobalt	mg/L	0.0028 J	0.0024 J	0.0046 J	0.0024 J	0.0025 J	0.0020 J	0.0033 J	0.0045 J	0.0046 J	0.0027 J
Lead	mg/L	NA	NA	NA	NA	NA	NA	< 0.00025	NA	< 0.00025	NA
Lithium	mg/L	NA	NA	NA	NA	NA	NA	0.00837	NA	0.00943	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	< 0.000091	NA	< 0.000091	NA
Molybdenum	mg/L	0.041	0.040	0.050	0.062	0.044	0.050	0.056	0.046	0.043	0.043
Selenium	mg/L	NA	NA	NA	NA	NA	NA	0.0029 J	NA	0.0016 J	NA
Thallium	mg/L	NA	NA	NA	NA	NA	NA	0.00046 J	NA	0.00040 J	NA
Fluoride	mg/L	NA	NA	NA	NA	NA	NA	0.40	NA	0.28	NA
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	160	160	240	290	300	270	232	199	193	180
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	< 5.0	NA	< 5.0	NA
Total Alkalinity as CaCO3	mg/L	160	160	240	290	300	270	232	199	193	180
Iron	mg/L	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	0.093	4.6	8.1	0.12
Magnesium	mg/L	41	43	31	18	17	23	31.2	37.2	38.3	42.9
Manganese	mg/L	NA	NA	NA	NA	NA	NA	0.98	NA	1.1	NA
Potassium	mg/L	8.4	8.4	7.2	5.4	5.1	6.1	6.6	6.9	7.1	7.8
Sodium	mg/L	34	28	48	78	73	54	76.4	59.6	48.8	48.1
Sulfide	mg/L	NA	NA	NA	NA	NA	NA	< 0.022	NA	< 0.022	NA

Notes:
mg/L - milligrams per liter
SU - Standard Units
TDS - Total Dissolved Solids
NA - Indicates not analyzed
< - indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
(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).
(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, and alkalinity was analyzed by Standard Method 2320B-2011.
(3) The pH value presented was recorded at the time of sample collection in the field.

Table 2
Pilot Study Groundwater Analytical Data Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	PT-02	PT-02	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04
	Sample Date	08/26/2025	09/11/2025	07/07/2025	07/08/2025	07/09/2025	07/10/2025	07/14/2025	07/15/2025	07/16/2025	07/17/2025
ANALYTE	UNITS										
Appendix III											
Boron	mg/L	7.8	8.4	9.6	9.7	8.7	8.4	9.0	5.9	3.4	3.3
Calcium	mg/L	321	268	240	230	230	230	240	140	150	87
Chloride	mg/L	302	307	410	370	310	340	270	180	100	110
Fluoride	mg/L	0.28	0.26	NA	NA	NA	NA	NA	NA	NA	NA
pH, Field	SU	6.94	7.01	6.92	6.99	7.13	7.19	7.22	7.35	7.56	7.55
Sulfate	mg/L	271	282	420	380	320	350	220	130	180	83
TDS	mg/L	1650	1240	NA	NA	NA	NA	NA	NA	NA	NA
Appendix IV											
Antimony	mg/L	< 0.00050	< 0.00050	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	< 0.0012	< 0.0012	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	0.046	0.040	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	< 0.00015	< 0.00015	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	< 0.00012	< 0.00012	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/L	< 0.0012	< 0.0012	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	0.0024 J	0.0022 J	0.0072	0.0063	0.0057	0.0070	0.0085	0.0041 J	0.0025 J	0.0017 J
Lead	mg/L	< 0.00025	< 0.00025	NA	NA	NA	NA	NA	NA	NA	NA
Lithium	mg/L	0.0112	0.00881	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	< 0.000091	< 0.000091	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	mg/L	0.036	0.041	0.021	0.022	0.028	0.030	0.024	0.040	0.040	0.062
Selenium	mg/L	0.0033 J	0.0032 J	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.00048 J	0.00034 J	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	mg/L	0.28	0.26	NA	NA	NA	NA	NA	NA	NA	NA
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	167	193	260	240	260	240	250	280	290	310
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Alkalinity as CaCO3	mg/L	167	193	260	240	260	240	250	280	290	310
Iron	mg/L	0.14	NA	0.12	< 0.090	0.13	0.25	0.54	0.32	1.3	< 0.035
Magnesium	mg/L	47.3	NA	45	45	42	40	43	28	17	15
Manganese	mg/L	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	7.2	NA	10	9.3	9.0	8.8	8.9	6.9	5.0	5.2
Sodium	mg/L	36.9	NA	71	68	85	82	67	73	79	76
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
mg/L - milligrams per liter
SU - Standard Units
TDS - Total Dissolved Solids
NA - Indicates not analyzed
< - indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
(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).
(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, and alkalinity was analyzed by Standard Method 2320B-2011.
(3) The pH value presented was recorded at the time of sample collection in the field.

Table 2
Pilot Study Groundwater Analytical Data Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-05	PT-05	PT-05
	Sample Date	07/18/2025	07/23/2025	07/30/2025	08/06/2025	08/12/2025	08/27/2025	09/15/2025	07/23/2025	07/30/2025	08/07/2025
ANALYTE	UNITS										
Appendix III											
Boron	mg/L	3.8	4.8	6.2	6.8	7.1	8.0	7.1	4.9	7.6	7.3
Calcium	mg/L	80	110	164	181	176	202	186	244	250	218
Chloride	mg/L	110	131	196	215	236	211	195	270	259	218
Fluoride	mg/L	NA	0.36	NA	0.23	NA	0.22	0.20	0.24	NA	0.25
pH, Field	SU	7.55	7.20	7.07	7.05	7.01	7.04	7.06	6.98	6.96	6.93
Sulfate	mg/L	90	147	209	229	250	235	230	252	256	230
TDS	mg/L	NA	834	NA	1140	NA	1180	1020	1320	NA	1100
Appendix IV											
Antimony	mg/L	NA	< 0.00050	NA	< 0.00050	NA	< 0.00050	< 0.00050	< 0.00050	NA	< 0.00050
Arsenic	mg/L	NA	0.0027	NA	0.0013 J	NA	0.0016 J	< 0.0012	0.0078	NA	0.0026
Barium	mg/L	NA	0.035	NA	0.048	NA	0.052	0.047	0.060	NA	0.044
Beryllium	mg/L	NA	< 0.00015	NA	< 0.00015	NA	< 0.00015	< 0.00015	< 0.00015	NA	< 0.00015
Cadmium	mg/L	NA	< 0.00012	NA	< 0.00012	NA	< 0.00012	< 0.00012	< 0.00012	NA	< 0.00012
Chromium	mg/L	NA	< 0.0012	NA	< 0.0012	NA	< 0.0012	< 0.0012	< 0.0012	NA	< 0.0012
Cobalt	mg/L	0.0021 J	0.0059	0.0085	0.0091	0.0075	0.0068	0.0048 J	0.0097	0.010	0.0087
Lead	mg/L	NA	< 0.00025	NA	< 0.00025	NA	< 0.00025	< 0.00025	< 0.00025	NA	< 0.00025
Lithium	mg/L	NA	0.00588	NA	0.00741	NA	0.00673	0.00690	0.00659	NA	0.00554
Mercury	mg/L	NA	< 0.000091	NA	< 0.000091	NA	< 0.000091	< 0.000091	< 0.000091	NA	0.00010 J
Molybdenum	mg/L	0.054	0.036	0.025	0.020	0.020	0.017	0.017	0.025	0.023	0.024
Selenium	mg/L	NA	0.0013 J	NA	< 0.0012	NA	0.0025 J	0.0019 J	0.0034 J	NA	< 0.0012
Thallium	mg/L	NA	0.00061	NA	0.00070	NA	0.00078	0.00069	0.00021 J	NA	0.00021 J
Fluoride	mg/L	NA	0.36	NA	0.23	NA	0.22	0.20	0.24	NA	0.25
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	290	280	263	239	238	218	216	177	179	189
Carbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0
Total Alkalinity as CaCO3	mg/L	290	280	263	239	238	218	216	177	179	189
Iron	mg/L	0.22	0.68	3.6	5.5	0.37	0.41	NA	1.9	6.0	8.3
Magnesium	mg/L	18	24.4	33.1	36.8	40.9	49.1	NA	48.5	43.7	40.3
Manganese	mg/L	NA	0.42	NA	0.62	NA	0.74	NA	1.2	NA	1.1
Potassium	mg/L	5.1	5.8	6.3	6.3	6.9	7.5	NA	7.2	6.2	6.0
Sodium	mg/L	71	120	103	91.4	81.6	65.2	NA	52.0	42.6	31.8
Sulfide	mg/L	NA	< 0.022	NA	0.022 J	NA	< 0.022	NA	< 0.022	NA	< 0.022

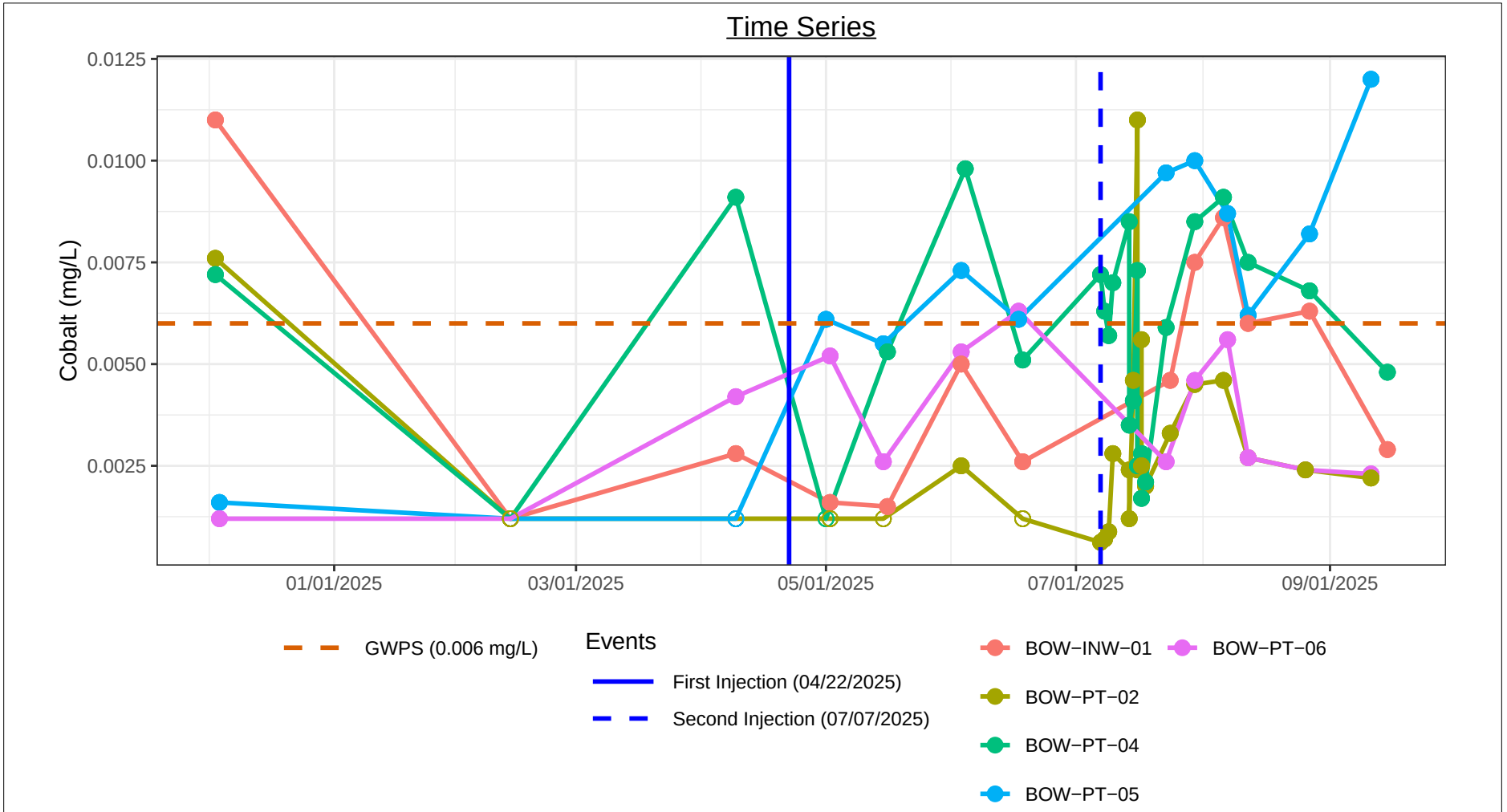
Notes:
mg/L - milligrams per liter
SU - Standard Units
TDS - Total Dissolved Solids
NA - Indicates not analyzed
< - indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
(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).
(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, and alkalinity was analyzed by Standard Method 2320B-2011.
(3) The pH value presented was recorded at the time of sample collection in the field.

Table 2
Pilot Study Groundwater Analytical Data Summary
Georgia Power Company
Plant Bowen - Ash Pond 1
Bartow County, GA

	Sample Location	PT-05	PT-05	PT-05	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06
	Sample Date	08/12/2025	08/27/2025	09/11/2025	07/23/2025	07/30/2025	08/07/2025	08/12/2025	08/26/2025	09/11/2025
ANALYTE	UNITS									
Appendix III										
Boron	mg/L	7.2	7.4	7.3	7.8	10.2	9.7	9.8	9.3	8.7
Calcium	mg/L	200	210	210	335	370	364	312	323	314
Chloride	mg/L	244	190	196	482	508	479	545	434	495
Fluoride	mg/L	NA	0.23	0.22	0.14	NA	0.14	NA	0.13	0.12
pH, Field	SU	6.96	6.94	7.03	7.00	6.98	6.97	6.97	7.03	7.08
Sulfate	mg/L	253	215	233	351	374	355	399	335	368
TDS	mg/L	NA	1180	1070	2020	NA	1870	NA	2160	1750
Appendix IV										
Antimony	mg/L	NA	< 0.00050	< 0.00050	0.00067 J	NA	< 0.00050	NA	< 0.00050	< 0.00050
Arsenic	mg/L	NA	0.0020 J	0.0015 J	0.019	NA	0.0041	NA	0.0032	0.0031
Barium	mg/L	NA	0.040	0.038	0.096	NA	0.088	NA	0.081	0.080
Beryllium	mg/L	NA	< 0.00015	< 0.00015	< 0.00015	NA	< 0.00015	NA	< 0.00015	< 0.00015
Cadmium	mg/L	NA	< 0.00012	< 0.00012	< 0.00012	NA	< 0.00012	NA	< 0.00012	< 0.00012
Chromium	mg/L	NA	< 0.0012	< 0.0012	< 0.0012	NA	< 0.0012	NA	< 0.0012	< 0.0012
Cobalt	mg/L	0.0062	0.0082	0.012	0.0026 J	0.0046 J	0.0056	0.0027 J	0.0024 J	0.0023 J
Lead	mg/L	NA	< 0.00025	< 0.00025	< 0.00025	NA	< 0.00025	NA	< 0.00025	< 0.00025
Lithium	mg/L	NA	0.00533	0.00639	0.00582	NA	0.00601	NA	0.00540	0.00508
Mercury	mg/L	NA	< 0.000091	< 0.000091	< 0.000091	NA	< 0.000091	NA	< 0.000091	< 0.000091
Molybdenum	mg/L	0.024	0.023	0.023	0.0085 J	0.0082 J	0.0074 J	0.0085 J	0.0072 J	0.0069 J
Selenium	mg/L	NA	0.0017 J	0.0016 J	0.0070	NA	0.0023 J	NA	0.0053	0.0055
Thallium	mg/L	NA	0.00027 J	0.00022 J	< 0.00015	NA	< 0.00015	NA	< 0.00015	< 0.00015
Fluoride	mg/L	NA	0.23	0.22	0.14	NA	0.14	NA	0.13	0.12
Additional Parameters										
Bicarbonate Alkalinity as CaCO3	mg/L	189	197	199	185	186	194	187	160	161
Carbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Total Alkalinity as CaCO3	mg/L	189	197	199	185	186	194	187	160	161
Iron	mg/L	1.2	1.1	NA	2.0	9.6	13.5	1.6	1.4	NA
Magnesium	mg/L	42.8	42.6	NA	80.2	89.3	91.6	86.0	90.4	NA
Manganese	mg/L	NA	1.1	NA	1.1	NA	1.0	NA	0.89	NA
Potassium	mg/L	6.6	5.7	NA	11.6	9.9	9.0	10.2	10.2	NA
Sodium	mg/L	36.5	26.3	NA	96.1	91.1	89.1	85.1	62.8	NA
Sulfide	mg/L	NA	0.028 J	NA	< 0.022	NA	< 0.022	NA	0.035 J	NA

Notes:
mg/L - milligrams per liter
SU - Standard Units
TDS - Total Dissolved Solids
NA - Indicates not analyzed
< - indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
(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).
(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, and alkalinity was analyzed by Standard Method 2320B-2011.
(3) The pH value presented was recorded at the time of sample collection in the field.

FIGURES



Notes:
1. mg/L = milligrams per liter
2. GWPS = Groundwater Protection Standard
3. Open symbols are not detected, and are reported at the method detection limit.
4. The first injection event was performed from April 22 to 27, 2025 and the second injection was performed from July 7 to 17, 2025.

TIME SERIES − BGWC−22 PILOT STUDY AREA
GEORGIA POWER COMPANY
PLANT BOWEN AP1
EUHARLEE, BARTOW COUNTY, GEORGIA

Georgia Power

JANUARY 2026

APPENDIX A

Injection Field Forms

Injectate Batch Preparation Log

Project Name: Plant Bowen Pilot Study
Project Number: GW6581H
Date: 7/7/2025
Field Personnel: Mintao Lu, Amanda Tomlinson, Dan Gibbs, CFS
Weather Sunny

Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
	Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond ($\mu s/cm_3$)	DO (mg/L)	ORP (mV)	
1	12:06	12:08	250	12:10	1	12:30	31.51	8.88	845.5	7.76	-81.2	Geochemical parameters
												collected from transducer

Injectate Batch Preparation Log

Project Name: Plant Bowen Pilot Study
Project Number: GW6581H
Date: 7/8/2025
Field Personnel: Mintao Lu, Amanda Tomlinson, CFS
Weather Sunny

Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
	Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond ($\mu s/cm_3$)	DO (mg/L)	ORP (mV)	
2	16:08	16:10	250	08:40	1	09:10	30.11	8.83	899.2	7.94	-41.4	Tank filled on 7/7/2025.

Note: Geochemical parameters collected from transducer.

Injectate Batch Preparation Log

Project Name: Plant Bowen Pilot Study
Project Number: GW6581H **Field Personnel:** ML, CFS
Date: 7/14/2025 **Weather** Sunny

Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
	Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond ($\mu s/cm^3$)	DO (mg/L)	ORP (mV)	
3	13:34	13:35	250	09:28	1	09:50	31.36	8.81	912.1	2.13	-95.2	Tank filled on 7/11/2025.
4	10:51	10:54	250	10:54	1	11:10	33.39	9.07	901.4	0.32	-174.4	
5	11:28	11:30	250	12:54	1	13:10	34.53	9.06	868.8	3.42	-111.6	

Note: Geochemical parameters collected from transducer.

Injectate Batch Preparation Log

Project Name: Plant Bowen Pilot Study
Project Number: GW6581H **Field Personnel:** ML, AT, CFS
Date: 7/16/2025 **Weather** Sunny

Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
	Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond ($\mu s/cm^3$)	DO (mg/L)	ORP (mV)	
6	13:12	13:14	250	08:29	1	08:10	30.11	8.83	899.2	7.94	-41.4	Tank filled on 7/14/2025.
7	08:51	08:53	250	10:16	1	10:40	32.43	9.17	902.1	3.45	-82.6	
8	10:33	10:35	250	11:43	1	12:00	32.38	9.44	873.9	6.97	-65.7	
9	12:00	12:02	250	13:12	1	13:30	32.75	9.40	848.0	6.92	-67.2	

Note: Geochemical parameters collected from transducer.

Injectate Batch Preparation Log

Project Name: Plant Bowen Pilot Study
Project Number: GW6581H **Field Personnel:** ML, AT, CFS
Date: 7/17/2025 **Weather** Sunny

Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
	Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond ($\mu s/cm^3$)	DO (mg/L)	ORP (mV)	
10	13:30	13:32	250	08:17	1	08:40	30.54	9.05	880.4	6.92	-50.2	Tank filled on 7/16/2025.
11	08:34	08:37	250	09:56	1	10:20	32.56	9.64	860.1	7.31	-58.3	
12	10:20	10:20	250	11:34	1	11:50	32.32	9.72	854.4	8.46	-66.2	
13	12:15	12:17	250	13:15	1	13:30	33.43	9.50	851.0	9.15	-60.9	

Note: Geochemical parameters collected from transducer.

Injection Log

Project Name:	Plant Bowen Pilot Study	**Date:**	7/7/2025	Page 1 of 1
Project Number:	GW6581H	**Weather:**	Sunny	
Field Personnel:	Mintao Lu, Amanda Thomlinson,	**Activity:**	Geochemical injection	
	Dan Gibbs, CFS			

Location: Euharlee, GA	**Start: Date** 7/7/2025 **Time** 11:30	**Finish: Date** 7/7/2025 **Time** 16:18

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	11:30	11:40	11	<1	1	Potable Water
	12:22	16:48	232	<1	1	Batch 1

Injection Log

Project Name:	Plant Bowen Pilot Study	**Date:**	7/8/2025	Page 1 of 1
Project Number:	GW6581H	**Weather:**	Partly Couldy	
Field Personnel:	Mintao Lu, Amanda Thomlinson, CFS	**Activity:**	Geochemical injection	

Location: Euharlee, GA	**Start: Date** 7/8/2025 **Time** 08:56	**Finish: Date** 7/8/2025 **Time** 12:55

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	08:56	13:55	229	<1	1	Batch 2

Injection Log

Project Name:	Plant Bowen Pilot Study	**Date:**	7/14/2025	Page 1 of 1
Project Number:	GW6581H	**Weather:**	Sunny	
Field Personnel:	Mintao Lu, Amanda Thomlinson, CFS	**Activity:**	Geochemical injection	

Location: Euharlee, GA	**Start: Date** 7/14/2025 **Time** 09:48	**Finish: Date** 7/14/2025 **Time** 15:16

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	09:48	10:56	226	<1	3.3	Batch 3
	11:14	13:10	228	<1	2.0	Batch 4
	13:12	15:16	232	<1	1.9	Batch 5

Injection Log

Project Name:	Plant Bowen Pilot Study	**Date:**	7/16/2025	Page 1 of 1
Project Number:	GW6581H	**Weather:**	Sunny	
Field Personnel:	Mintao Lu, Amanda Thomlinson, CFS	**Activity:**	Geochemical injection	

Location: Euharlee, GA	**Start: Date** 7/16/2025 **Time** 08:46	**Finish: Date** 7/16/2025 **Time** 14:52

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	08:46	10:28	229	<1	2.2	Batch 6
	10:33	11:50	229	<1	2.8	Batch 7
	12:00	13:20	230	<1	2.9	Batch 8
	13:29	14:52	232	<1	2.8	Batch 9

Injection Log

Project Name:	Plant Bowen Pilot Study	**Date:**	7/17/2025	Page 1 of 1
Project Number:	GW6581H	**Weather:**	Sunny	
Field Personnel:	Mintao Lu, Amanda Thomlinson, CFS	**Activity:**	Geochemical injection	

Location: Euharlee, GA	**Start: Date** 7/17/2025 **Time** 08:34	**Finish: Date** 7/17/2025 **Time** 17:06

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	08:34	10:16	234	<1	2.3	Batch 10
	10:19	11:55	231	<1	2.4	Batch 11
	11:58	13:35	231	<1	2.4	Batch 12
	13:38	15:19	239	<1	2.4	Batch 13
	16:19	17:06	90	<1	1.9	Potable water

FIELD PARAMETER MONITORING LOG

Plant Bowen AP-1 BGWC-22 Pilot Study

Well ID	Screened Interval	Date	Time	pH	DO	ORP	Conductivity	Temperature	Comments (e.g., Water Level, color, odor, precipitates, etc.)
				s.u.	(mg/L)	(mV)	(µS/cm)	(ºC)	
PT-04	657.1 - 647.1	7/7/2025	8:21	6.92	0.10	-26.4	1990	19.69	Baseline / Pre-injection
			16:31	6.99	0.17	99.4	1937	22.73	Post-injection (Batch 1)
		7/8/2025	8:26	6.99	0.16	35.8	1913	20.19	Pre-injection
			13:34	7.03	0.16	18.6	1889	21.42	Post-injection (Batch 2)
			15:44	7.07	0.43	-8.8	1848	21.26	
			16:57	7.07	0.14	-31.1	1724	21.59	
		7/9/2025	8:23	7.13	0.10	-8.1	1767	19.64	
			9:36	7.15	0.10	-16.5	1741	20.29	
			10.43	7.15	0.09	-1.5	1735	21.15	
			11:42	7.16	0.08	5.9	1720	21.37	
			15:54	7.16	0.07	18.3	1676	23.29	
		7/10/2025	8:00	7.19	0.10	-2.9	1734	19.42	
			11:50	7.20	0.08	-6.9	1706	21.46	
			15:57	7.20	0.77	-24.53	1732	20.41	
		7/11/2025	8:05	7.18	0.19	35.6	1729	19.55	
			10:06	7.19	0.13	16.7	1713	21.60	
			12:03	7.20	0.07	-40.7	1771	21.73	
		7/14/2025	8:30	7.22	0.11	-34.7	1786	19.78	Pre-injection
			16:42	7.47	0.67	4.9	1234	20.62	Post-injection (Batch 3-5)
		7/15/2025	8:16	7.35	0.11	-26.5	1400	19.33	
			12:06	7.36	0.10	-40.5	1443	20.70	
			16:12	7.34	0.09	-29.7	1429	20.93	
		7/16/2025	7:59	7.30	0.11	-53.5	1576	19.77	Pre-injection
			15:44	7.56	0.42	-39.6	1111	21.11	Post-injection (Batch 6-9)
		7/17/2025	7:51	7.48	0.138	-30.5	1230	19.95	Pre-injection
			15:42	7.55	0.306	-36.0	1135	20.99	Post-injection (Batch 10-13)
		7/18/2025	8:20	7.55	0.179	-11.5	1112	19.59	

DO - dissolved oxygen
ORP - oxidation-reduction potential
mV - millivolt
µS/cm - microsiemens per centimeter
s.u. - standard unit
°C - degrees Celsius

FIELD PARAMETER MONITORING LOG

Plant Bowen AP-1 BGWC-22 Pilot Study

Well ID	Screened Interval	Date	Time	pH	DO	ORP	Conductivity	Temperature	Comments (e.g., Water Level, color, odor, precipitates, etc.)
				s.u.	(mg/L)	(mV)	(µS/cm)	(ºC)	
PT-02	661.6 -651.6	7/9/2025	8:26	7.05	0.09	313.6	1689	20.27	Baseline / Pre-injection
			9:41	7.02	0.16	518.6	1712	21.1	
			10:47	7.04	0.14	550.6	1749	21.5	
			11:40	7.03	0.08	564.4	1719	22.22	
			16:19	7.04	0.18	384.8	1757	20.14	Post-injection (Batch 1)
		7/10/2025	8:05	7.04	0.18	384.8	1757	20.14	Pre-injection, DTW=30.9 ft BTOC
			11:53	7.03	0.29	483.3	1767	22.17	
			15:50	7.03	0.32	383.5	1736	23.12	Post-injection (Batch 2)
		7/11/2025	8:10	7.04	0.35	185.6	1790	19.97	
			10:07	7.03	0.18	194.9	1767	21.64	
			12:06	7.03	0.13	390.8	1764	21.71	
		7/14/2025	8:28	7.03	1.31	236.8	1815	20.02	Pre-injection
			9:25	7.02	0.08	353.0	1796	20.26	DTW = 28.94 ft BTOC
			16:04	7.30	1.87	409.5	1871	20.97	Post-injection, DTW=30.49 ft BTOC
		7/15/2025	8:19	7.17	0.11	282.3	1551	19.70	
			12:18	7.20	0.10	459.6	1574	20.84	
			15:35	7.15	0.12	408.1	1582	22.49	DTW = 30.85 ft BTOC
		7/16/2025	8:00	7.15	0.11	117.3	1653	20.27	Pre-injection, DTW=30.96 ft BTOC
			15:35	7.46	2.00	358.7	1173	21.34	Post-injection, DTW=30.28 ft BTOC
		7/17/2025	7:56	7.26	0.109	129.9	1453	19.77	Pre-injection, DTW=30.76 ft BTOC
			16:05	7.51	1.823	363.2	1113	21.13	Post-injection, DTW=30.24 ft BTOC
		7/18/2025	8:27	7.31	0.136	317.6	1326	19.70	DTW = 30.64 ft BTOC

DO - dissolved oxygen
ORP - oxidation-reduction potential
mV - millivolt
µS/cm - microsiemens per centimeter
s.u. - standard unit
°C - degrees Celsius

WATER LEVEL MONITORING LOG
Plant Bowen, GA

Well ID	Date	Time	Top of Casing	Ground	Depth to Water	Groundwater Elevation
			ft	ft	ft. bTOC	NAVD88
PT-04	7/7/2025	8:51	691.68	692.06	27.60	664.08
		16:20	691.68	692.06	27.20	664.48
	7/8/2025	7:56	691.68	692.06	27.85	663.83
		8:55	691.68	692.06	27.62	664.06
		9:55	691.68	692.06	27.24	664.44
		10:55	691.68	692.06	27.16	664.52
		11:55	691.68	692.06	27.13	664.55
		12:55	691.68	692.06	27.16	664.52
		14:00	691.68	692.06	27.43	664.25
	7/9/2025	7:58	691.68	692.06	27.49	664.19
		9:38	691.68	692.06	27.88	663.80
		10:32	691.68	692.06	27.61	664.07
		15:42	691.68	692.06	27.60	664.08
	7/10/2025	7:45	691.68	692.06	28.01	663.67
		11:38	691.68	692.06	27.62	664.06
		15:40	691.68	692.06	27.64	664.04
	7/11/2025	7:50	691.68	692.06	27.53	664.15
		9:55	691.68	692.06	28.00	663.68
		11:50	691.68	692.06	27.69	663.99
	7/14/2025	8:12	691.68	692.06	27.74	663.94
		10:07	691.68	692.06	26.88	664.80
		11:00	691.68	692.06	26.61	665.07
		12:04	691.68	692.06	26.36	665.32
		12:59	691.68	692.06	26.08	665.60
		14:10	691.68	692.06	26.15	665.53
		15:08	691.68	692.06	26.14	665.54
		15:20	691.68	692.06	26.50	665.18
	7/15/2025	8:14	691.68	692.06	27.35	664.33
		11:53	691.68	692.06	27.64	664.04
		15:57	691.68	692.06	27.66	664.02
	7/16/2025	8:02	691.68	692.06	27.73	663.95
		9:05	691.68	692.06	27.01	664.67
		10:05	691.68	692.06	26.39	665.29
		11:05	691.68	692.06	25.92	665.76

ft. bTOC - feet below top of casing

WATER LEVEL MONITORING LOG
Plant Bowen, GA

Well ID	Date	Time	Top of Casing	Ground	Depth to Water	Groundwater Elevation
			ft	ft	ft. bTOC	NAVD88
PT-04	7/16/2025	12:03	691.68	692.06	26.20	665.48
		13:00	691.68	692.06	25.60	666.08
		14:00	691.68	692.06	25.55	666.13
		14:58	691.68	692.06	25.95	665.73
	7/17/2025	7:31	691.68	692.06	27.5	664.18
		8:50	691.68	692.06	26.79	664.89
		9:57	691.68	692.06	26.29	665.39
		11:00	691.68	692.06	25.99	665.69
		12:00	691.68	692.06	26.20	665.48
		13:02	691.68	692.06	25.82	665.86
		14:05	691.68	692.06	25.74	665.94
		15:22	691.68	692.06	25.91	665.77
	7/18/2025	8:00	691.68	692.06	27.38	664.30

ft. bTOC - feet below top of casing

APPENDIX B

Field Forms

Low-Flow Test Report:

Test Date / Time: 7/23/2025 10:27:59 AM
Project: Plant Bowen AP CA July Week 1 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 27.62 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 3150 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 105 ml/min** **Final Draw Down: 2.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/23/2025 10:27 AM	00:00	6.998 pH	23.86 °C	2,087 µS/cm	0.872 mg/L	3.710 NTU	-15.7 mV	29.62 ft	1.079 PSU	105.0 ml/min
7/23/2025 10:32 AM	05:00	7.025 pH	21.64 °C	2,171 µS/cm	0.323 mg/L	2.690 NTU	-29.5 mV	29.74 ft	1.124 PSU	105.0 ml/min
7/23/2025 10:37 AM	10:00	7.021 pH	21.55 °C	2,221 µS/cm	0.317 mg/L	2.370 NTU	-31.8 mV	29.83 ft	1.152 PSU	105.0 ml/min
7/23/2025 10:42 AM	15:00	7.014 pH	21.65 °C	2,252 µS/cm	0.307 mg/L	1.740 NTU	-32.8 mV	29.87 ft	1.168 PSU	105.0 ml/min
7/23/2025 10:47 AM	20:00	7.005 pH	21.93 °C	2,272 µS/cm	0.278 mg/L	1.810 NTU	-32.7 mV	29.92 ft	1.179 PSU	105.0 ml/min
7/23/2025 10:52 AM	25:00	7.001 pH	22.09 °C	2,288 µS/cm	0.257 mg/L	1.280 NTU	-32.5 mV	29.97 ft	1.188 PSU	105.0 ml/min
7/23/2025 10:57 AM	30:00	6.996 pH	22.32 °C	2,300 µS/cm	0.256 mg/L	1.230 NTU	-32.0 mV	29.99 ft	1.195 PSU	105.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 7/23/2025 10:42:56 AM
Project: Plant Bowen AP CA July Week 1 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 27.72 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 3222 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.48 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/23/2025 10:42 AM	00:00	6.956 pH	20.98 °C	1,753 µS/cm	0.359 mg/L	4.070 NTU	334.1 mV	28.20 ft	0.898 PSU	120.0 ml/min
7/23/2025 10:47 AM	05:00	6.956 pH	21.31 °C	1,756 µS/cm	0.320 mg/L	3.450 NTU	455.9 mV	28.21 ft	0.899 PSU	120.0 ml/min
7/23/2025 10:52 AM	10:00	6.966 pH	21.47 °C	1,743 µS/cm	0.303 mg/L	2.610 NTU	447.9 mV	28.21 ft	0.892 PSU	120.0 ml/min
7/23/2025 10:54 AM	11:51	6.968 pH	21.43 °C	1,765 µS/cm	0.296 mg/L	2.600 NTU	449.2 mV	28.21 ft	0.904 PSU	120.0 ml/min
7/23/2025 10:59 AM	16:51	6.965 pH	21.59 °C	1,766 µS/cm	0.283 mg/L	2.420 NTU	487.0 mV	28.20 ft	0.905 PSU	120.0 ml/min
7/23/2025 11:04 AM	21:51	6.976 pH	21.41 °C	1,744 µS/cm	0.299 mg/L	2.330 NTU	454.0 mV	28.20 ft	0.893 PSU	120.0 ml/min
7/23/2025 11:09 AM	26:51	6.978 pH	21.08 °C	1,765 µS/cm	0.288 mg/L	1.900 NTU	444.6 mV	28.20 ft	0.904 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 7/23/2025 12:36:32 PM
Project: Plant Bowen AP CA July Week 1 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 28.12 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-Purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/23/2025 12:36 PM	00:00	7.201 pH	22.22 °C	1,121 µS/cm	0.606 mg/L	0.730 NTU	-23.2 mV	28.35 ft	0.562 PSU	120.0 ml/min
7/23/2025 12:41 PM	05:00	7.205 pH	21.97 °C	1,116 µS/cm	0.508 mg/L	0.430 NTU	-31.3 mV	28.36 ft	0.560 PSU	120.0 ml/min
7/23/2025 12:46 PM	10:00	7.203 pH	21.67 °C	1,124 µS/cm	0.453 mg/L	0.440 NTU	-20.7 mV	28.39 ft	0.564 PSU	120.0 ml/min
7/23/2025 12:51 PM	15:00	7.199 pH	21.71 °C	1,124 µS/cm	0.384 mg/L	0.480 NTU	-22.7 mV	28.41 ft	0.564 PSU	120.0 ml/min
7/23/2025 12:56 PM	20:00	7.198 pH	21.77 °C	1,127 µS/cm	0.334 mg/L	0.810 NTU	-26.0 mV	28.42 ft	0.566 PSU	120.0 ml/min
7/23/2025 1:01 PM	25:00	7.198 pH	21.73 °C	1,124 µS/cm	0.294 mg/L	0.670 NTU	-31.6 mV	28.42 ft	0.564 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide
FD-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/24/2025 10:53:21 AM
Project: Plant Bowen AP CA July Week 1 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-02 **Latitude: 31.220489772997123** **Longitude: -81.54408579699839** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.67 ft** **Total Depth: 43.67 ft** **Initial Depth to Water: 31.28 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 3250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/24/2025 10:53 AM	00:00	6.907 pH	22.82 °C	1,549 µS/cm	0.540 mg/L	1.240 NTU	600.6 mV	31.36 ft	0.789 PSU	130.0 ml/min
7/24/2025 10:58 AM	05:00	7.015 pH	22.68 °C	1,533 µS/cm	0.467 mg/L	0.690 NTU	412.1 mV	31.36 ft	0.780 PSU	130.0 ml/min
7/24/2025 11:03 AM	10:00	7.014 pH	22.90 °C	1,582 µS/cm	0.416 mg/L	0.400 NTU	372.1 mV	31.36 ft	0.806 PSU	130.0 ml/min
7/24/2025 11:08 AM	15:00	7.012 pH	22.93 °C	1,559 µS/cm	0.393 mg/L	0.460 NTU	384.8 mV	31.36 ft	0.794 PSU	130.0 ml/min
7/24/2025 11:13 AM	20:00	7.011 pH	22.84 °C	1,570 µS/cm	0.367 mg/L	0.370 NTU	372.5 mV	31.36 ft	0.800 PSU	130.0 ml/min
7/24/2025 11:18 AM	25:00	7.012 pH	23.13 °C	1,558 µS/cm	0.361 mg/L	0.370 NTU	392.0 mV	31.36 ft	0.794 PSU	130.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 7/24/2025 10:57:02 AM
Project: Plant Bowen AP CA July Week 1 Performance Monitoring
Operator Name: Shannon Northen

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 28.29 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 3300 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/24/2025 10:57 AM	00:00	7.045 pH	23.07 °C	1,850 µS/cm	0.760 mg/L	0.470 NTU	45.8 mV	28.31 ft	0.950 PSU	110.0 ml/min
7/24/2025 11:02 AM	05:00	7.042 pH	23.20 °C	1,866 µS/cm	0.585 mg/L	0.370 NTU	42.1 mV	28.31 ft	0.959 PSU	110.0 ml/min
7/24/2025 11:07 AM	10:00	7.046 pH	23.26 °C	1,869 µS/cm	0.514 mg/L	0.370 NTU	39.6 mV	28.31 ft	0.961 PSU	110.0 ml/min
7/24/2025 11:12 AM	15:00	7.047 pH	23.46 °C	1,868 µS/cm	0.499 mg/L	0.390 NTU	35.8 mV	28.32 ft	0.960 PSU	110.0 ml/min
7/24/2025 11:17 AM	20:00	7.044 pH	23.70 °C	1,876 µS/cm	0.418 mg/L	0.270 NTU	32.0 mV	28.32 ft	0.965 PSU	110.0 ml/min
7/24/2025 11:22 AM	25:00	7.044 pH	24.06 °C	1,868 µS/cm	0.377 mg/L	0.460 NTU	28.4 mV	28.32 ft	0.960 PSU	110.0 ml/min
7/24/2025 11:27 AM	30:00	7.043 pH	23.82 °C	1,881 µS/cm	0.344 mg/L	0.340 NTU	25.0 mV	28.32 ft	0.967 PSU	110.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 7/30/2025 10:38:12 AM
Project: Plant Bowen AP CA July Week 2 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 31.49 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.85 ft** **Estimated Total Volume Pumped: 2600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/30/2025 10:38 AM	00:00	6.905 pH	20.95 °C	1,772 µS/cm	0.640 mg/L	0.270 NTU	94.0 mV	31.49 ft	0.908 PSU	130.0 ml/min
7/30/2025 10:43 AM	05:00	6.897 pH	20.91 °C	1,785 µS/cm	0.480 mg/L	0.350 NTU	91.8 mV	31.55 ft	0.915 PSU	130.0 ml/min
7/30/2025 10:48 AM	10:00	6.891 pH	21.18 °C	1,783 µS/cm	0.402 mg/L	0.380 NTU	90.4 mV	31.55 ft	0.914 PSU	130.0 ml/min
7/30/2025 10:53 AM	15:00	6.887 pH	21.56 °C	1,768 µS/cm	0.360 mg/L	0.300 NTU	89.2 mV	31.55 ft	0.906 PSU	130.0 ml/min
7/30/2025 10:58 AM	20:00	6.886 pH	21.72 °C	1,775 µS/cm	0.329 mg/L	0.220 NTU	88.1 mV	31.55 ft	0.910 PSU	130.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 11:21:59 AM
Project: Plant Bowen AP CA Week 2 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 27.97 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 4375 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

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	
7/30/2025 11:21 AM	00:00	6.94 pH	21.36 °C	1,527.1 µS/cm	0.88 mg/L	8.35 NTU	7.6 mV	28.49 ft	0.78 PSU	125.00 ml/min
7/30/2025 11:26 AM	05:00	6.95 pH	21.06 °C	1,579.4 µS/cm	0.74 mg/L	5.93 NTU	-17.2 mV	28.51 ft	0.80 PSU	125.00 ml/min
7/30/2025 11:31 AM	10:00	6.95 pH	21.13 °C	1,565.1 µS/cm	0.66 mg/L	5.02 NTU	5.9 mV	28.50 ft	0.80 PSU	125.00 ml/min
7/30/2025 11:36 AM	15:00	6.96 pH	21.10 °C	1,568.8 µS/cm	0.57 mg/L	4.35 NTU	3.0 mV	28.50 ft	0.80 PSU	125.00 ml/min
7/30/2025 11:41 AM	20:00	6.96 pH	20.96 °C	1,562.5 µS/cm	0.52 mg/L	3.71 NTU	-3.1 mV	28.51 ft	0.80 PSU	125.00 ml/min
7/30/2025 11:46 AM	25:00	6.96 pH	20.95 °C	1,567.2 µS/cm	0.48 mg/L	3.15 NTU	-6.6 mV	28.52 ft	0.80 PSU	125.00 ml/min
7/30/2025 11:51 AM	30:00	6.96 pH	21.01 °C	1,576.2 µS/cm	0.45 mg/L	2.50 NTU	-11.1 mV	28.52 ft	0.80 PSU	125.00 ml/min
7/30/2025 11:56 AM	35:00	6.96 pH	21.63 °C	1,606.4 µS/cm	0.39 mg/L	2.35 NTU	-18.4 mV	28.52 ft	0.82 PSU	125.00 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity
FD-01	Metals, Inorganics, Alkalinity

Low-Flow Test Report:

Test Date / Time: 7/30/2025 12:11:32 PM
Project: Plant Bowen AP CA July Week 2 Performance Monitoring
Operator Name: Shannon Northen

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 28.44 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/30/2025 12:11 PM	00:00	6.943 pH	21.53 °C	2,124 µS/cm	0.558 mg/L	0.390 NTU	55.3 mV	28.51 ft	1.098 PSU	110.0 ml/min
7/30/2025 12:16 PM	05:00	6.943 pH	21.49 °C	2,123 µS/cm	0.548 mg/L	0.210 NTU	53.4 mV	28.51 ft	1.098 PSU	110.0 ml/min
7/30/2025 12:21 PM	10:00	6.944 pH	21.44 °C	2,131 µS/cm	0.469 mg/L	0.280 NTU	51.5 mV	28.51 ft	1.102 PSU	110.0 ml/min
7/30/2025 12:26 PM	15:00	6.943 pH	21.44 °C	2,135 µS/cm	0.363 mg/L	0.250 NTU	49.6 mV	28.51 ft	1.104 PSU	110.0 ml/min
7/30/2025 12:31 PM	20:00	6.944 pH	21.44 °C	2,132 µS/cm	0.351 mg/L	0.260 NTU	47.7 mV	28.51 ft	1.103 PSU	110.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity

Low-Flow Test Report:

Test Date / Time: 7/30/2025 1:00:07 PM
Project: Plant Bowen AP CA July Week 2 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 27.89 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 6250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 3.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

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	
7/30/2025 1:00 PM	00:00	7.03 pH	22.07 °C	2,454.6 µS/cm	0.81 mg/L	4.15 NTU	-40.7 mV	29.60 ft	1.28 PSU	125.00 ml/min
7/30/2025 1:05 PM	05:00	7.03 pH	21.86 °C	2,491.2 µS/cm	0.67 mg/L	2.85 NTU	-69.9 mV	29.95 ft	1.30 PSU	125.00 ml/min
7/30/2025 1:10 PM	10:00	7.02 pH	21.67 °C	2,513.5 µS/cm	0.57 mg/L	3.70 NTU	-21.5 mV	30.09 ft	1.31 PSU	125.00 ml/min
7/30/2025 1:15 PM	15:00	7.01 pH	21.93 °C	2,536.2 µS/cm	0.54 mg/L	2.62 NTU	-18.5 mV	30.29 ft	1.32 PSU	125.00 ml/min
7/30/2025 1:20 PM	20:00	7.01 pH	21.60 °C	2,575.6 µS/cm	0.53 mg/L	2.00 NTU	-15.7 mV	30.44 ft	1.35 PSU	125.00 ml/min
7/30/2025 1:25 PM	25:00	7.00 pH	21.28 °C	2,593.9 µS/cm	0.51 mg/L	1.68 NTU	-13.8 mV	30.59 ft	1.36 PSU	125.00 ml/min
7/30/2025 1:30 PM	30:00	7.00 pH	21.00 °C	2,593.4 µS/cm	0.47 mg/L	1.43 NTU	-12.4 mV	30.75 ft	1.36 PSU	125.00 ml/min
7/30/2025 1:35 PM	35:00	7.00 pH	21.44 °C	2,590.7 µS/cm	0.40 mg/L	1.04 NTU	-12.8 mV	30.92 ft	1.35 PSU	125.00 ml/min
7/30/2025 1:40 PM	40:00	6.99 pH	21.99 °C	2,621.6 µS/cm	0.40 mg/L	1.07 NTU	-12.9 mV	30.95 ft	1.37 PSU	125.00 ml/min
7/30/2025 1:45 PM	45:00	6.99 pH	22.19 °C	2,656.5 µS/cm	0.38 mg/L	0.93 NTU	-10.6 mV	30.99 ft	1.39 PSU	125.00 ml/min
7/30/2025 1:50 PM	50:00	6.98 pH	22.32 °C	2,686.5 µS/cm	0.38 mg/L	0.22 NTU	-8.5 mV	31.00 ft	1.41 PSU	125.00 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 1:40:51 PM
Project: Plant Bowen AP CA July Week 2 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 28.31 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.29 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
7/30/2025 1:40 PM	00:00	7.074 pH	22.25 °C	1,533 µS/cm	0.528 mg/L	0.210 NTU	39.2 mV	28.53 ft	0.780 PSU	120.0 ml/min
7/30/2025 1:45 PM	05:00	7.067 pH	21.74 °C	1,550 µS/cm	0.313 mg/L	0.350 NTU	36.0 mV	28.56 ft	0.789 PSU	120.0 ml/min
7/30/2025 1:50 PM	10:00	7.068 pH	21.66 °C	1,545 µS/cm	0.256 mg/L	0.220 NTU	34.3 mV	28.58 ft	0.786 PSU	120.0 ml/min
7/30/2025 1:55 PM	15:00	7.065 pH	21.64 °C	1,547 µS/cm	0.232 mg/L	0.310 NTU	31.8 mV	28.59 ft	0.788 PSU	120.0 ml/min
7/30/2025 2:00 PM	20:00	7.065 pH	21.54 °C	1,547 µS/cm	0.211 mg/L	0.290 NTU	29.5 mV	28.60 ft	0.787 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 10:04:12 AM
Project: Plant Bowen AP CA July Week 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 28.61 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/6/2025 10:04 AM	00:00	6.904 pH	19.85 °C	2,258 µS/cm	0.368 mg/L	0.080 NTU	55.2 mV	28.63 ft	1.171 PSU	130.0 ml/min
8/6/2025 10:09 AM	05:00	6.910 pH	19.93 °C	2,259 µS/cm	0.387 mg/L	0.250 NTU	53.3 mV	28.64 ft	1.172 PSU	130.0 ml/min
8/6/2025 10:14 AM	10:00	6.910 pH	20.00 °C	2,264 µS/cm	0.327 mg/L	0.350 NTU	51.8 mV	28.64 ft	1.174 PSU	130.0 ml/min
8/6/2025 10:19 AM	15:00	6.917 pH	20.17 °C	2,262 µS/cm	0.421 mg/L	0.310 NTU	50.5 mV	28.64 ft	1.173 PSU	110.0 ml/min
8/6/2025 10:24 AM	20:00	6.921 pH	20.11 °C	2,261 µS/cm	0.472 mg/L	0.150 NTU	49.6 mV	28.64 ft	1.172 PSU	110.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide
FD-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 11:51:34 AM
Project: Plant Bowen AP CA August Week 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 28.42 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 2800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.29 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/6/2025 11:51 AM	00:00	7.054 pH	20.01 °C	1,645 µS/cm	0.294 mg/L	0.210 NTU	53.0 mV	28.70 ft	0.839 PSU	140.0 ml/min
8/6/2025 11:56 AM	05:00	7.054 pH	19.88 °C	1,646 µS/cm	0.233 mg/L	0.120 NTU	51.3 mV	28.70 ft	0.840 PSU	140.0 ml/min
8/6/2025 12:01 PM	10:00	7.054 pH	19.84 °C	1,644 µS/cm	0.205 mg/L	0.260 NTU	49.7 mV	28.70 ft	0.839 PSU	140.0 ml/min
8/6/2025 12:06 PM	15:00	7.052 pH	19.84 °C	1,646 µS/cm	0.194 mg/L	0.090 NTU	48.1 mV	28.70 ft	0.840 PSU	140.0 ml/min
8/6/2025 12:11 PM	20:00	7.050 pH	19.90 °C	1,646 µS/cm	0.180 mg/L	0.180 NTU	46.2 mV	28.71 ft	0.840 PSU	140.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 1:25:45 PM
Project: Plant Bowen AP CA August Week 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 31.61 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 ft** **Estimated Total Volume Pumped: 12335.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/6/2025 1:25 PM	00:00	6.959 pH	20.76 °C	1,911 µS/cm	0.468 mg/L	0.430 NTU	49.3 mV	31.71 ft	0.983 PSU	140.0 ml/min
8/6/2025 1:30 PM	05:00	6.952 pH	20.77 °C	1,907 µS/cm	0.360 mg/L	0.890 NTU	49.7 mV	31.71 ft	0.981 PSU	140.0 ml/min
8/6/2025 1:35 PM	10:00	6.951 pH	21.00 °C	1,900 µS/cm	0.318 mg/L	2.110 NTU	50.1 mV	31.71 ft	0.977 PSU	110.0 ml/min
8/6/2025 1:40 PM	15:00	6.947 pH	21.21 °C	1,894 µS/cm	0.297 mg/L	2.790 NTU	50.2 mV	31.71 ft	0.974 PSU	110.0 ml/min
8/6/2025 1:45 PM	20:00	6.944 pH	21.86 °C	1,885 µS/cm	0.288 mg/L	3.770 NTU	50.1 mV	31.71 ft	0.969 PSU	110.0 ml/min
8/6/2025 1:46 PM	21:14	6.944 pH	21.69 °C	1,881 µS/cm	0.284 mg/L	3.820 NTU	50.4 mV	31.71 ft	0.967 PSU	110.0 ml/min
8/6/2025 1:51 PM	26:14	6.941 pH	21.32 °C	1,892 µS/cm	0.290 mg/L	4.240 NTU	50.9 mV	31.71 ft	0.973 PSU	110.0 ml/min
8/6/2025 1:56 PM	31:14	6.940 pH	22.21 °C	1,888 µS/cm	0.288 mg/L	5.210 NTU	50.6 mV	31.71 ft	0.971 PSU	110.0 ml/min
8/6/2025 2:01 PM	36:14	6.948 pH	21.98 °C	1,876 µS/cm	0.290 mg/L	5.600 NTU	51.5 mV	31.71 ft	0.964 PSU	110.0 ml/min
8/6/2025 2:06 PM	41:14	6.942 pH	21.26 °C	1,871 µS/cm	0.287 mg/L	5.610 NTU	51.8 mV	31.71 ft	0.961 PSU	100.0 ml/min
8/6/2025 2:11 PM	46:14	6.941 pH	20.87 °C	1,881 µS/cm	0.281 mg/L	5.760 NTU	52.3 mV	31.71 ft	0.967 PSU	100.0 ml/min
8/6/2025 2:16 PM	51:14	6.936 pH	21.09 °C	1,891 µS/cm	0.268 mg/L	5.380 NTU	52.2 mV	31.71 ft	0.972 PSU	100.0 ml/min
8/6/2025 2:21 PM	56:14	6.939 pH	21.31 °C	1,885 µS/cm	0.262 mg/L	5.380 NTU	52.4 mV	31.71 ft	0.969 PSU	100.0 ml/min
8/6/2025 2:26 PM	01:01:14	6.939 pH	21.18 °C	1,887 µS/cm	0.253 mg/L	6.830 NTU	52.7 mV	31.71 ft	0.970 PSU	100.0 ml/min
8/6/2025 2:31 PM	01:06:14	6.940 pH	20.93 °C	1,887 µS/cm	0.248 mg/L	5.680 NTU	53.1 mV	31.71 ft	0.970 PSU	100.0 ml/min

8/6/2025 2:36 PM	01:11:14	6.939 pH	20.77 °C	1,887 µS/cm	0.247 mg/L	5.860 NTU	53.3 mV	31.71 ft	0.970 PSU	100.0 ml/min
8/6/2025 2:41 PM	01:16:14	6.938 pH	20.83 °C	1,891 µS/cm	0.242 mg/L	5.850 NTU	53.4 mV	31.71 ft	0.972 PSU	100.0 ml/min
8/6/2025 2:46 PM	01:21:14	6.941 pH	21.09 °C	1,888 µS/cm	0.236 mg/L	5.710 NTU	53.4 mV	31.71 ft	0.971 PSU	100.0 ml/min
8/6/2025 2:51 PM	01:26:14	6.941 pH	20.82 °C	1,885 µS/cm	0.228 mg/L	5.610 NTU	53.6 mV	31.71 ft	0.969 PSU	100.0 ml/min
8/6/2025 2:56 PM	01:31:14	6.941 pH	20.69 °C	1,889 µS/cm	0.232 mg/L	5.330 NTU	53.7 mV	31.71 ft	0.971 PSU	100.0 ml/min
8/6/2025 3:01 PM	01:36:14	6.940 pH	20.55 °C	1,892 µS/cm	0.229 mg/L	5.640 NTU	53.9 mV	31.71 ft	0.972 PSU	100.0 ml/min
8/6/2025 3:06 PM	01:41:14	6.941 pH	20.59 °C	1,890 µS/cm	0.233 mg/L	5.660 NTU	53.9 mV	31.71 ft	0.971 PSU	100.0 ml/min
8/6/2025 3:11 PM	01:46:14	6.941 pH	20.40 °C	1,889 µS/cm	0.224 mg/L	4.910 NTU	54.1 mV	31.71 ft	0.971 PSU	100.0 ml/min
8/6/2025 3:16 PM	01:51:14	6.941 pH	20.47 °C	1,893 µS/cm	0.220 mg/L	4.920 NTU	54.2 mV	31.71 ft	0.973 PSU	100.0 ml/min
8/6/2025 3:21 PM	01:56:14	6.941 pH	20.43 °C	1,890 µS/cm	0.215 mg/L	4.810 NTU	54.2 mV	31.71 ft	0.971 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 8/7/2025 10:28:08 AM
Project: Plant Bowen AP CA August Week 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 28.71 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 3900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/7/2025 10:28 AM	00:00	6.914 pH	19.58 °C	1,465 µS/cm	0.720 mg/L	1.510 NTU	72.5 mV	28.71 ft	0.744 PSU	130.0 ml/min
8/7/2025 10:33 AM	05:00	6.917 pH	19.57 °C	1,470 µS/cm	0.636 mg/L	1.500 NTU	75.0 mV	28.72 ft	0.746 PSU	130.0 ml/min
8/7/2025 10:38 AM	10:00	6.922 pH	19.54 °C	1,465 µS/cm	0.591 mg/L	1.500 NTU	68.1 mV	28.72 ft	0.743 PSU	130.0 ml/min
8/7/2025 10:43 AM	15:00	6.924 pH	19.53 °C	1,481 µS/cm	0.480 mg/L	1.750 NTU	65.0 mV	28.72 ft	0.752 PSU	130.0 ml/min
8/7/2025 10:48 AM	20:00	6.928 pH	19.62 °C	1,504 µS/cm	0.390 mg/L	1.400 NTU	60.3 mV	28.72 ft	0.764 PSU	130.0 ml/min
8/7/2025 10:53 AM	25:00	6.931 pH	19.53 °C	1,504 µS/cm	0.349 mg/L	1.090 NTU	56.4 mV	28.72 ft	0.764 PSU	130.0 ml/min
8/7/2025 10:58 AM	30:00	6.931 pH	19.57 °C	1,536 µS/cm	0.320 mg/L	1.040 NTU	53.0 mV	28.72 ft	0.781 PSU	130.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 8/7/2025 12:14:21 PM
Project: Plant Bowen AP CA August Week 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 28.03 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 3355.833 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 2.66 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/7/2025 12:14 PM	00:00	6.998 pH	20.04 °C	2,567 µS/cm	0.609 mg/L	1.770 NTU	5.9 mV	29.95 ft	1.340 PSU	110.0 ml/min
8/7/2025 12:15 PM	01:25	6.998 pH	20.05 °C	2,578 µS/cm	0.643 mg/L	1.830 NTU	5.3 mV	29.95 ft	1.346 PSU	110.0 ml/min
8/7/2025 12:20 PM	06:25	6.991 pH	20.11 °C	2,609 µS/cm	0.497 mg/L	1.460 NTU	-2.5 mV	30.20 ft	1.363 PSU	110.0 ml/min
8/7/2025 12:25 PM	11:25	6.983 pH	20.04 °C	2,642 µS/cm	0.417 mg/L	1.690 NTU	-0.4 mV	30.39 ft	1.382 PSU	110.0 ml/min
8/7/2025 12:30 PM	16:25	6.979 pH	20.02 °C	2,679 µS/cm	0.379 mg/L	1.470 NTU	-2.3 mV	30.59 ft	1.402 PSU	110.0 ml/min
8/7/2025 12:35 PM	21:25	6.974 pH	20.24 °C	2,706 µS/cm	0.374 mg/L	1.210 NTU	-4.4 mV	30.69 ft	1.417 PSU	100.0 ml/min
8/7/2025 12:40 PM	26:25	6.969 pH	20.30 °C	2,774 µS/cm	0.356 mg/L	0.970 NTU	-6.4 mV	30.69 ft	1.455 PSU	100.0 ml/min
8/7/2025 12:45 PM	31:25	6.969 pH	20.36 °C	2,809 µS/cm	0.353 mg/L	1.110 NTU	-8.6 mV	30.69 ft	1.474 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 8/12/2025 10:55:24 AM
Project: Plant Bowen AP CA August Week 4 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 31.75 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/12/2025 10:55 AM	00:00	6.861 pH	20.88 °C	1,944 µS/cm	0.363 mg/L	0.510 NTU	69.4 mV	31.83 ft	1.000 PSU	120.0 ml/min
8/12/2025 11:00 AM	05:00	6.862 pH	21.00 °C	1,939 µS/cm	0.318 mg/L	0.450 NTU	68.5 mV	31.83 ft	0.998 PSU	120.0 ml/min
8/12/2025 11:05 AM	10:00	6.861 pH	21.09 °C	1,932 µS/cm	0.284 mg/L	0.260 NTU	67.5 mV	31.84 ft	0.994 PSU	120.0 ml/min
8/12/2025 11:10 AM	15:00	6.866 pH	21.07 °C	1,925 µS/cm	0.266 mg/L	0.310 NTU	66.9 mV	31.84 ft	0.991 PSU	120.0 ml/min
8/12/2025 11:15 AM	20:00	6.864 pH	21.08 °C	1,924 µS/cm	0.265 mg/L	0.240 NTU	66.3 mV	31.84 ft	0.990 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 12:14:27 PM
Project: Plant Bowen AP CA August Week 4 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 28.25 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/12/2025 12:14 PM	00:00	6.949 pH	20.40 °C	1,462 µS/cm	0.600 mg/L	1.170 NTU	49.2 mV	28.75 ft	0.742 PSU	120.0 ml/min
8/12/2025 12:19 PM	05:00	6.947 pH	20.43 °C	1,468 µS/cm	0.472 mg/L	1.100 NTU	46.2 mV	28.75 ft	0.745 PSU	120.0 ml/min
8/12/2025 12:24 PM	10:00	6.947 pH	20.46 °C	1,516 µS/cm	0.380 mg/L	0.890 NTU	40.8 mV	28.77 ft	0.771 PSU	120.0 ml/min
8/12/2025 12:29 PM	15:00	6.953 pH	20.58 °C	1,543 µS/cm	0.309 mg/L	0.920 NTU	35.0 mV	28.77 ft	0.785 PSU	120.0 ml/min
8/12/2025 12:34 PM	20:00	6.955 pH	20.57 °C	1,563 µS/cm	0.307 mg/L	0.960 NTU	28.8 mV	28.80 ft	0.796 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity

Low-Flow Test Report:

Test Date / Time: 8/12/2025 12:32:04 PM
Project: Plant Bowen AP CA August Week 4 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 28.74 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/12/2025 12:32 PM	00:00	6.88 pH	21.87 °C	2,258.6 µS/cm	0.59 mg/L	0.73 NTU	3.9 mV	28.75 ft	1.17 PSU	110.00 ml/min
8/12/2025 12:37 PM	05:00	6.88 pH	21.67 °C	2,271.4 µS/cm	0.56 mg/L	0.21 NTU	22.0 mV	28.75 ft	1.18 PSU	110.00 ml/min
8/12/2025 12:42 PM	10:00	6.88 pH	21.63 °C	2,271.3 µS/cm	0.48 mg/L	0.45 NTU	23.3 mV	28.75 ft	1.18 PSU	110.00 ml/min
8/12/2025 12:47 PM	15:00	6.88 pH	21.55 °C	2,273.8 µS/cm	0.44 mg/L	0.41 NTU	24.1 mV	28.75 ft	1.18 PSU	110.00 ml/min
8/12/2025 12:52 PM	20:00	6.88 pH	21.50 °C	2,275.2 µS/cm	0.42 mg/L	0.24 NTU	24.4 mV	28.75 ft	1.18 PSU	110.00 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 1:34:43 PM
Project: Plant Bowen AP CA August Week 4 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 28.16 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 3050 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 2.74 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purge 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/12/2025 1:34 PM	00:00	6.998 pH	20.83 °C	2,596 µS/cm	0.526 mg/L	1.720 NTU	-15.6 mV	30.20 ft	1.357 PSU	130.0 ml/min
8/12/2025 1:39 PM	05:00	6.989 pH	20.73 °C	2,609 µS/cm	0.369 mg/L	1.610 NTU	-23.3 mV	30.55 ft	1.364 PSU	120.0 ml/min
8/12/2025 1:44 PM	10:00	6.981 pH	21.02 °C	2,661 µS/cm	0.360 mg/L	1.430 NTU	-17.6 mV	30.70 ft	1.393 PSU	120.0 ml/min
8/12/2025 1:49 PM	15:00	6.980 pH	20.90 °C	2,741 µS/cm	0.369 mg/L	1.230 NTU	-17.4 mV	30.84 ft	1.437 PSU	120.0 ml/min
8/12/2025 1:54 PM	20:00	6.973 pH	21.13 °C	2,734 µS/cm	0.326 mg/L	1.170 NTU	-17.7 mV	30.90 ft	1.433 PSU	120.0 ml/min
8/12/2025 1:59 PM	25:00	6.970 pH	21.45 °C	2,778 µS/cm	0.366 mg/L	1.040 NTU	-18.7 mV	30.90 ft	1.457 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity
FD-01	Metals, Inorganics, Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 1:52:46 PM
Project: Plant Bowen AP CA August Week 4 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 28.54 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 3125 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.35 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
8/12/2025 1:52 PM	00:00	7.01 pH	21.65 °C	1,636.0 µS/cm	0.57 mg/L	0.49 NTU	21.5 mV	28.84 ft	0.84 PSU	125.00 ml/min
8/12/2025 1:57 PM	05:00	7.01 pH	21.48 °C	1,666.1 µS/cm	0.44 mg/L	0.71 NTU	16.8 mV	28.85 ft	0.85 PSU	125.00 ml/min
8/12/2025 2:02 PM	10:00	7.01 pH	21.39 °C	1,655.6 µS/cm	0.35 mg/L	0.96 NTU	35.7 mV	28.86 ft	0.85 PSU	125.00 ml/min
8/12/2025 2:07 PM	15:00	7.01 pH	21.09 °C	1,633.8 µS/cm	0.28 mg/L	1.36 NTU	35.6 mV	28.87 ft	0.83 PSU	125.00 ml/min
8/12/2025 2:12 PM	20:00	7.01 pH	21.26 °C	1,628.7 µS/cm	0.25 mg/L	1.88 NTU	34.8 mV	28.88 ft	0.83 PSU	125.00 ml/min
8/12/2025 2:17 PM	25:00	7.01 pH	21.20 °C	1,635.9 µS/cm	0.22 mg/L	1.76 NTU	32.5 mV	28.89 ft	0.84 PSU	125.00 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity

Low-Flow Test Report:

Test Date / Time: 8/26/2025 12:05:58 PM
Project: Plant Bowen AP CA August Week 6 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 28.25 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 3.9 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 7.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/26/2025 12:05 PM	00:00	7.024 pH	20.59 °C	2,192 µS/cm	0.388 mg/L	5.690 NTU	16.0 mV	31.38 ft	1.135 PSU	100.0 ml/min
8/26/2025 12:10 PM	05:00	7.029 pH	20.59 °C	2,182 µS/cm	0.359 mg/L	5.160 NTU	5.8 mV	31.38 ft	1.130 PSU	100.0 ml/min
8/26/2025 12:15 PM	10:00	7.034 pH	20.58 °C	2,168 µS/cm	0.336 mg/L	5.160 NTU	9.0 mV	31.40 ft	1.122 PSU	100.0 ml/min
8/26/2025 12:20 PM	15:00	7.035 pH	20.55 °C	2,166 µS/cm	0.308 mg/L	5.780 NTU	5.9 mV	31.45 ft	1.121 PSU	100.0 ml/min
8/26/2025 12:25 PM	20:00	7.039 pH	20.63 °C	2,163 µS/cm	0.308 mg/L	5.620 NTU	2.9 mV	31.52 ft	1.119 PSU	100.0 ml/min
8/26/2025 12:30 PM	25:00	7.037 pH	20.56 °C	2,178 µS/cm	0.308 mg/L	6.020 NTU	0.9 mV	31.59 ft	1.128 PSU	100.0 ml/min
8/26/2025 12:35 PM	30:00	7.036 pH	20.58 °C	2,189 µS/cm	0.268 mg/L	6.690 NTU	-0.1 mV	31.62 ft	1.134 PSU	100.0 ml/min
8/26/2025 12:40 PM	35:00	7.037 pH	20.58 °C	2,206 µS/cm	0.271 mg/L	6.430 NTU	-1.4 mV	31.65 ft	1.143 PSU	100.0 ml/min
8/26/2025 12:45 PM	40:00	7.037 pH	20.49 °C	2,221 µS/cm	0.290 mg/L	6.860 NTU	-2.2 mV	31.69 ft	1.151 PSU	100.0 ml/min
8/26/2025 12:50 PM	45:00	7.036 pH	20.60 °C	2,234 µS/cm	0.329 mg/L	6.560 NTU	-3.3 mV	31.73 ft	1.158 PSU	100.0 ml/min
8/26/2025 12:55 PM	50:00	7.035 pH	20.63 °C	2,257 µS/cm	0.327 mg/L	6.700 NTU	-4.0 mV	31.79 ft	1.171 PSU	100.0 ml/min
8/26/2025 1:00 PM	55:00	7.039 pH	20.52 °C	2,268 µS/cm	0.345 mg/L	7.110 NTU	-4.5 mV	31.83 ft	1.176 PSU	100.0 ml/min
8/26/2025 1:05 PM	01:00:00	7.038 pH	20.60 °C	2,258 µS/cm	0.319 mg/L	6.810 NTU	-5.3 mV	31.90 ft	1.171 PSU	100.0 ml/min
8/26/2025 1:10 PM	01:05:00	7.035 pH	20.54 °C	2,276 µS/cm	0.319 mg/L	7.070 NTU	-6.1 mV	31.93 ft	1.181 PSU	100.0 ml/min
8/26/2025 1:15 PM	01:10:00	7.038 pH	20.60 °C	2,291 µS/cm	0.316 mg/L	7.170 NTU	-6.1 mV	32.00 ft	1.189 PSU	100.0 ml/min

8/26/2025 1:20 PM	01:15:00	7.034 pH	20.69 °C	2,309 µS/cm	0.291 mg/L	7.220 NTU	-6.4 mV	32.03 ft	1.199 PSU	100.0 ml/min
8/26/2025 1:25 PM	01:20:00	7.036 pH	20.83 °C	2,310 µS/cm	0.300 mg/L	7.110 NTU	-6.7 mV	32.05 ft	1.199 PSU	100.0 ml/min
8/26/2025 1:30 PM	01:25:00	7.036 pH	20.83 °C	2,323 µS/cm	0.310 mg/L	7.500 NTU	-6.7 mV	32.10 ft	1.207 PSU	100.0 ml/min
8/26/2025 1:35 PM	01:30:00	7.035 pH	20.91 °C	2,352 µS/cm	0.329 mg/L	7.360 NTU	-6.6 mV	32.11 ft	1.223 PSU	100.0 ml/min
8/26/2025 1:40 PM	01:35:00	7.035 pH	20.85 °C	2,382 µS/cm	0.329 mg/L	7.260 NTU	-6.4 mV	32.13 ft	1.239 PSU	100.0 ml/min
8/26/2025 1:45 PM	01:40:00	7.033 pH	20.92 °C	2,399 µS/cm	0.330 mg/L	6.900 NTU	-6.6 mV	32.14 ft	1.248 PSU	100.0 ml/min
8/26/2025 1:50 PM	01:45:00	7.032 pH	20.95 °C	2,418 µS/cm	0.336 mg/L	6.500 NTU	-6.3 mV	32.15 ft	1.259 PSU	100.0 ml/min
8/26/2025 1:55 PM	01:50:00	7.030 pH	21.12 °C	2,431 µS/cm	0.340 mg/L	5.970 NTU	-6.5 mV	32.15 ft	1.266 PSU	100.0 ml/min
8/26/2025 2:00 PM	01:55:00	7.031 pH	21.22 °C	2,460 µS/cm	0.329 mg/L	5.310 NTU	-6.6 mV	32.15 ft	1.282 PSU	100.0 ml/min
8/26/2025 2:05 PM	02:00:00	7.032 pH	21.17 °C	2,474 µS/cm	0.314 mg/L	5.530 NTU	-6.4 mV	32.15 ft	1.290 PSU	100.0 ml/min
8/26/2025 2:10 PM	02:05:00	7.030 pH	21.53 °C	2,477 µS/cm	0.315 mg/L	5.370 NTU	-6.8 mV	32.15 ft	1.292 PSU	100.0 ml/min
8/26/2025 2:15 PM	02:10:00	7.029 pH	22.01 °C	2,500 µS/cm	0.309 mg/L	5.330 NTU	-7.7 mV	32.15 ft	1.304 PSU	100.0 ml/min
8/26/2025 2:20 PM	02:15:00	7.034 pH	21.87 °C	2,519 µS/cm	0.331 mg/L	5.000 NTU	-7.4 mV	32.15 ft	1.315 PSU	100.0 ml/min
8/26/2025 2:25 PM	02:20:00	7.032 pH	21.64 °C	2,544 µS/cm	0.311 mg/L	4.500 NTU	-7.0 mV	32.15 ft	1.328 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 8/26/2025 3:39:44 PM
Project: Plant Bowen AP CA August Week 6 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 31.9 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/26/2025 3:39 PM	00:00	6.949 pH	20.82 °C	2,028 µS/cm	0.563 mg/L	0.180 NTU	29.5 mV	31.95 ft	1.046 PSU	120.0 ml/min
8/26/2025 3:44 PM	05:00	6.945 pH	20.82 °C	2,017 µS/cm	0.384 mg/L	0.080 NTU	24.7 mV	31.95 ft	1.040 PSU	120.0 ml/min
8/26/2025 3:49 PM	10:00	6.942 pH	20.61 °C	2,003 µS/cm	0.322 mg/L	0.020 NTU	33.8 mV	31.95 ft	1.033 PSU	120.0 ml/min
8/26/2025 3:54 PM	15:00	6.940 pH	20.55 °C	2,001 µS/cm	0.294 mg/L	0.140 NTU	35.0 mV	31.95 ft	1.031 PSU	120.0 ml/min
8/26/2025 3:59 PM	20:00	6.935 pH	20.63 °C	1,996 µS/cm	0.265 mg/L	0.010 NTU	36.0 mV	31.95 ft	1.028 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide
FD-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/27/2025 10:20:21 AM
Project: Plant Bowen AP CA August Week 6 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 28.38 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.43 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/27/2025 10:20 AM	00:00	6.912 pH	19.99 °C	1,455 µS/cm	0.574 mg/L	2.100 NTU	48.1 mV	28.78 ft	0.738 PSU	100.0 ml/min
8/27/2025 10:25 AM	05:00	6.917 pH	20.22 °C	1,461 µS/cm	0.537 mg/L	1.560 NTU	45.1 mV	28.79 ft	0.742 PSU	100.0 ml/min
8/27/2025 10:30 AM	10:00	6.923 pH	20.55 °C	1,460 µS/cm	0.500 mg/L	1.210 NTU	42.4 mV	28.79 ft	0.741 PSU	100.0 ml/min
8/27/2025 10:35 AM	15:00	6.928 pH	20.46 °C	1,455 µS/cm	0.473 mg/L	1.260 NTU	40.6 mV	28.80 ft	0.738 PSU	100.0 ml/min
8/27/2025 10:40 AM	20:00	6.931 pH	20.74 °C	1,452 µS/cm	0.403 mg/L	1.160 NTU	38.2 mV	28.81 ft	0.737 PSU	100.0 ml/min
8/27/2025 10:45 AM	25:00	6.934 pH	21.09 °C	1,457 µS/cm	0.393 mg/L	1.150 NTU	35.4 mV	28.81 ft	0.739 PSU	100.0 ml/min
8/27/2025 10:50 AM	30:00	6.940 pH	21.10 °C	1,458 µS/cm	0.401 mg/L	1.120 NTU	32.5 mV	28.81 ft	0.740 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/27/2025 12:16:09 PM
Project: Plant Bowen AP CA August Week 6 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 28.75 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/27/2025 12:16 PM	00:00	7.041 pH	19.93 °C	1,672 µS/cm	0.253 mg/L	1.450 NTU	27.0 mV	28.99 ft	0.854 PSU	120.0 ml/min
8/27/2025 12:21 PM	05:00	7.041 pH	19.99 °C	1,667 µS/cm	0.207 mg/L	1.190 NTU	25.8 mV	29.02 ft	0.851 PSU	120.0 ml/min
8/27/2025 12:26 PM	10:00	7.042 pH	19.86 °C	1,665 µS/cm	0.196 mg/L	0.910 NTU	24.4 mV	29.05 ft	0.850 PSU	120.0 ml/min
8/27/2025 12:31 PM	15:00	7.043 pH	19.79 °C	1,669 µS/cm	0.172 mg/L	0.730 NTU	21.5 mV	29.05 ft	0.852 PSU	120.0 ml/min
8/27/2025 12:36 PM	20:00	7.042 pH	19.75 °C	1,669 µS/cm	0.164 mg/L	0.810 NTU	17.5 mV	29.05 ft	0.852 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/27/2025 1:44:13 PM
Project: Plant Bowen AP CA August Week 6 Performance Monitoring
Operator Name: Shannon Northen

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 28.93 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
8/27/2025 1:44 PM	00:00	6.925 pH	20.28 °C	2,351 µS/cm	0.264 mg/L	0.120 NTU	15.6 mV	28.93 ft	1.222 PSU	120.0 ml/min
8/27/2025 1:49 PM	05:00	6.926 pH	20.21 °C	2,354 µS/cm	0.258 mg/L	0.220 NTU	16.6 mV	28.93 ft	1.223 PSU	120.0 ml/min
8/27/2025 1:54 PM	10:00	6.927 pH	20.20 °C	2,360 µS/cm	0.236 mg/L	0.220 NTU	16.6 mV	28.94 ft	1.227 PSU	120.0 ml/min
8/27/2025 1:59 PM	15:00	6.927 pH	20.19 °C	2,358 µS/cm	0.238 mg/L	0.120 NTU	16.5 mV	28.94 ft	1.226 PSU	120.0 ml/min
8/27/2025 2:04 PM	20:00	6.928 pH	20.27 °C	2,355 µS/cm	0.204 mg/L	0.150 NTU	16.3 mV	28.94 ft	1.224 PSU	120.0 ml/min
8/27/2025 2:09 PM	25:00	6.930 pH	20.09 °C	2,357 µS/cm	0.234 mg/L	0.050 NTU	16.4 mV	28.94 ft	1.225 PSU	120.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 9/11/2025 10:43:23 AM
Project: Plant Bowen AP CA September Month 2 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 28.45 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 3.64 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Pre-purged 6 L. High turbidity (20-30 NTU) at start of pre-purge.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10 %	+/- 0.3	+/- 10	
9/11/2025 10:43 AM	00:00	7.086 pH	20.94 °C	2,353 µS/cm	0.586 mg/L	5.360 NTU	-61.2 mV	31.99 ft	1.223 PSU	110.0 ml/min
9/11/2025 10:48 AM	05:00	7.088 pH	20.72 °C	2,424 µS/cm	0.563 mg/L	4.690 NTU	-52.6 mV	32.02 ft	1.262 PSU	110.0 ml/min
9/11/2025 10:53 AM	10:00	7.087 pH	20.70 °C	2,467 µS/cm	0.492 mg/L	4.480 NTU	-34.8 mV	32.05 ft	1.286 PSU	110.0 ml/min
9/11/2025 10:58 AM	15:00	7.085 pH	20.80 °C	2,500 µS/cm	0.481 mg/L	4.380 NTU	-32.8 mV	32.07 ft	1.304 PSU	110.0 ml/min
9/11/2025 11:03 AM	20:00	7.081 pH	20.97 °C	2,528 µS/cm	0.421 mg/L	4.290 NTU	-30.7 mV	32.09 ft	1.320 PSU	110.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 9/11/2025 12:32:16 PM
Project: Plant Bowen AP CA September Month 2 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 28.6 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 2200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.42 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10 %	+/- 0.3	+/- 10	
9/11/2025 12:32 PM	00:00	7.037 pH	20.53 °C	1,443 µS/cm	0.552 mg/L	2.780 NTU	-26.6 mV	29.00 ft	0.732 PSU	110.0 ml/min
9/11/2025 12:37 PM	05:00	7.035 pH	20.32 °C	1,442 µS/cm	0.399 mg/L	2.640 NTU	-17.4 mV	29.01 ft	0.731 PSU	110.0 ml/min
9/11/2025 12:42 PM	10:00	7.035 pH	20.32 °C	1,428 µS/cm	0.414 mg/L	2.280 NTU	-12.3 mV	29.01 ft	0.724 PSU	110.0 ml/min
9/11/2025 12:47 PM	15:00	7.035 pH	20.46 °C	1,428 µS/cm	0.329 mg/L	2.090 NTU	-14.6 mV	29.01 ft	0.724 PSU	110.0 ml/min
9/11/2025 12:52 PM	20:00	7.030 pH	20.49 °C	1,430 µS/cm	0.299 mg/L	1.640 NTU	-17.9 mV	29.02 ft	0.725 PSU	110.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS
FD-01	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/11/2025 2:28:34 PM
Project: Plant Bowen AP CA September Month 2 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-02 **Latitude: 31.220489772997123** **Longitude: -81.54408579699839** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.67 ft** **Total Depth: 43.67 ft** **Initial Depth to Water: 32.08 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10 %	+/- 0.3	+/- 10	
9/11/2025 2:28 PM	00:00	7.019 pH	21.47 °C	1,998 µS/cm	1.011 mg/L	0.680 NTU	4.0 mV	32.19 ft	1.030 PSU	125.0 ml/min
9/11/2025 2:33 PM	05:00	7.019 pH	21.20 °C	1,988 µS/cm	0.483 mg/L	0.720 NTU	34.1 mV	32.19 ft	1.024 PSU	125.0 ml/min
9/11/2025 2:38 PM	10:00	7.018 pH	21.02 °C	1,967 µS/cm	0.295 mg/L	0.710 NTU	33.5 mV	32.19 ft	1.013 PSU	125.0 ml/min
9/11/2025 2:43 PM	15:00	7.014 pH	21.28 °C	1,956 µS/cm	0.244 mg/L	0.420 NTU	36.3 mV	32.19 ft	1.007 PSU	125.0 ml/min
9/11/2025 2:48 PM	20:00	7.012 pH	21.45 °C	1,929 µS/cm	0.179 mg/L	0.280 NTU	39.4 mV	32.19 ft	0.993 PSU	125.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/15/2025 10:32:48 AM
Project: Plant Bowen AP CA September Month 2 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 28.91 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10 %	+/- 0.3	+/- 10	
9/15/2025 10:32 AM	00:00	7.053 pH	20.37 °C	1,446 µS/cm	0.303 mg/L	1.040 NTU	32.2 mV	29.19 ft	0.734 PSU	120.0 ml/min
9/15/2025 10:37 AM	05:00	7.055 pH	20.44 °C	1,468 µS/cm	0.255 mg/L	1.570 NTU	69.8 mV	29.19 ft	0.745 PSU	120.0 ml/min
9/15/2025 10:42 AM	10:00	7.054 pH	20.58 °C	1,471 µS/cm	0.220 mg/L	1.130 NTU	50.7 mV	29.19 ft	0.747 PSU	120.0 ml/min
9/15/2025 10:47 AM	15:00	7.056 pH	20.60 °C	1,468 µS/cm	0.198 mg/L	0.990 NTU	48.0 mV	29.19 ft	0.745 PSU	120.0 ml/min
9/15/2025 10:52 AM	20:00	7.057 pH	20.91 °C	1,464 µS/cm	0.192 mg/L	0.880 NTU	38.8 mV	29.19 ft	0.743 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 9/15/2025 12:10:54 PM
Project: Plant Bowen AP CA September Month 2 Performance Monitoring
Operator Name: Jay Siewert

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 15 ft** **Top of Screen: 29.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 29.14 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10 %	+/- 0.3	+/- 10	
9/15/2025 12:10 PM	00:00	6.985 pH	21.06 °C	1,750 µS/cm	0.801 mg/L	0.780 NTU	33.3 mV	29.20 ft	0.896 PSU	120.0 ml/min
9/15/2025 12:15 PM	05:00	6.986 pH	21.13 °C	1,741 µS/cm	0.601 mg/L	1.060 NTU	72.2 mV	29.20 ft	0.891 PSU	120.0 ml/min
9/15/2025 12:20 PM	10:00	6.989 pH	20.91 °C	1,740 µS/cm	0.381 mg/L	0.620 NTU	54.9 mV	29.20 ft	0.891 PSU	120.0 ml/min
9/15/2025 12:25 PM	15:00	6.991 pH	20.83 °C	1,725 µS/cm	0.302 mg/L	0.630 NTU	55.3 mV	29.20 ft	0.883 PSU	120.0 ml/min
9/15/2025 12:30 PM	20:00	6.989 pH	21.03 °C	1,747 µS/cm	0.267 mg/L	0.470 NTU	55.2 mV	29.20 ft	0.894 PSU	120.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 10/15/2025 11:11:52 AM
Project: Plant Bowen AP CA October Month 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 28.93 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 3.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 6.5

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
10/15/2025 11:11 AM	00:00	6.960 pH	20.42 °C	2,427 µS/cm	0.468 mg/L	4.810 NTU	-19.9 mV	31.79 ft	1.263 PSU	100.0 ml/min
10/15/2025 11:16 AM	05:00	6.962 pH	19.91 °C	2,478 µS/cm	0.478 mg/L	4.150 NTU	-43.1 mV	31.83 ft	1.291 PSU	100.0 ml/min
10/15/2025 11:21 AM	10:00	6.965 pH	19.68 °C	2,504 µS/cm	0.430 mg/L	3.760 NTU	-0.5 mV	31.92 ft	1.306 PSU	100.0 ml/min
10/15/2025 11:26 AM	15:00	6.965 pH	19.56 °C	2,509 µS/cm	0.373 mg/L	2.970 NTU	1.4 mV	32.00 ft	1.308 PSU	100.0 ml/min
10/15/2025 11:31 AM	20:00	6.967 pH	19.55 °C	2,524 µS/cm	0.328 mg/L	2.820 NTU	2.2 mV	32.10 ft	1.316 PSU	100.0 ml/min
10/15/2025 11:36 AM	25:00	6.968 pH	19.57 °C	2,540 µS/cm	0.313 mg/L	2.740 NTU	3.0 mV	32.18 ft	1.325 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 10/15/2025 12:50:52 PM
Project: Plant Bowen AP CA October Month 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 29.08 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 2800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.33 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
10/15/2025 12:50 PM	00:00	6.886 pH	19.43 °C	1,249 µS/cm	0.514 mg/L	0.420 NTU	36.0 mV	29.52 ft	0.629 PSU	120.0 ml/min
10/15/2025 12:55 PM	05:00	6.883 pH	19.44 °C	1,257 µS/cm	0.397 mg/L	0.440 NTU	42.5 mV	29.53 ft	0.633 PSU	120.0 ml/min
10/15/2025 1:00 PM	10:00	6.881 pH	19.48 °C	1,271 µS/cm	0.379 mg/L	0.520 NTU	45.5 mV	29.54 ft	0.641 PSU	120.0 ml/min
10/15/2025 1:05 PM	15:00	6.878 pH	19.84 °C	1,275 µS/cm	0.381 mg/L	0.590 NTU	47.5 mV	29.54 ft	0.643 PSU	100.0 ml/min
10/15/2025 1:10 PM	20:00	6.880 pH	20.02 °C	1,282 µS/cm	0.460 mg/L	0.500 NTU	49.4 mV	29.41 ft	0.647 PSU	100.0 ml/min
10/15/2025 1:15 PM	25:00	6.877 pH	20.02 °C	1,280 µS/cm	0.448 mg/L	0.480 NTU	51.2 mV	29.41 ft	0.645 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/15/2025 2:22:18 PM
Project: Plant Bowen AP CA October Month 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 15 ft** **Top of Screen: 29.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 29.59 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 4200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
10/15/2025 2:22 PM	00:00	6.863 pH	20.12 °C	1,501 µS/cm	0.805 mg/L	0.490 NTU	49.2 mV	29.60 ft	0.763 PSU	120.0 ml/min
10/15/2025 2:27 PM	05:00	6.858 pH	20.06 °C	1,497 µS/cm	0.618 mg/L	0.430 NTU	46.3 mV	29.62 ft	0.760 PSU	120.0 ml/min
10/15/2025 2:32 PM	10:00	6.855 pH	20.10 °C	1,513 µS/cm	0.570 mg/L	0.580 NTU	55.5 mV	29.62 ft	0.769 PSU	120.0 ml/min
10/15/2025 2:37 PM	15:00	6.853 pH	20.04 °C	1,504 µS/cm	0.432 mg/L	0.570 NTU	57.2 mV	29.62 ft	0.764 PSU	120.0 ml/min
10/15/2025 2:42 PM	20:00	6.853 pH	19.97 °C	1,502 µS/cm	0.395 mg/L	0.480 NTU	58.5 mV	29.62 ft	0.763 PSU	120.0 ml/min
10/15/2025 2:47 PM	25:00	6.852 pH	20.07 °C	1,499 µS/cm	0.343 mg/L	0.560 NTU	59.4 mV	29.62 ft	0.762 PSU	120.0 ml/min
10/15/2025 2:52 PM	30:00	6.852 pH	20.33 °C	1,498 µS/cm	0.399 mg/L	0.550 NTU	60.0 mV	29.62 ft	0.761 PSU	120.0 ml/min
10/15/2025 2:57 PM	35:00	6.852 pH	20.35 °C	1,497 µS/cm	0.406 mg/L	0.380 NTU	60.6 mV	29.62 ft	0.761 PSU	120.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 10/16/2025 10:32:45 AM
Project: Plant Bowen AP CA October Month 3 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 32.56 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
10/16/2025 10:32 AM	00:00	6.771 pH	19.31 °C	1,497 µS/cm	0.253 mg/L	0.430 NTU	53.8 mV	32.66 ft	0.760 PSU	125.0 ml/min
10/16/2025 10:37 AM	05:00	6.767 pH	19.35 °C	1,502 µS/cm	0.215 mg/L	0.340 NTU	58.3 mV	32.66 ft	0.763 PSU	125.0 ml/min
10/16/2025 10:42 AM	10:00	6.767 pH	19.36 °C	1,503 µS/cm	0.194 mg/L	0.200 NTU	59.8 mV	32.66 ft	0.764 PSU	125.0 ml/min
10/16/2025 10:47 AM	15:00	6.766 pH	19.41 °C	1,496 µS/cm	0.184 mg/L	0.700 NTU	61.0 mV	32.66 ft	0.760 PSU	125.0 ml/min
10/16/2025 10:52 AM	20:00	6.766 pH	19.52 °C	1,490 µS/cm	0.176 mg/L	0.820 NTU	62.0 mV	32.66 ft	0.757 PSU	110.0 ml/min
10/16/2025 10:57 AM	25:00	6.766 pH	19.70 °C	1,489 µS/cm	0.182 mg/L	0.500 NTU	62.5 mV	32.66 ft	0.756 PSU	110.0 ml/min
10/16/2025 11:02 AM	30:00	6.767 pH	19.80 °C	1,484 µS/cm	0.180 mg/L	0.160 NTU	63.0 mV	32.66 ft	0.753 PSU	110.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide
FD-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 10/16/2025 11:30:40 AM
Project: Plant Bowen AP CA October Month 3 Performance Monitoring
Operator Name: William Laaker

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 29.3 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.35 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1182553**

Test Notes:
Prepurged 6 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 %	+/- 10	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/16/2025 11:30 AM	00:00	7.018 pH	21.05 °C	1,449 µS/cm	0.151 mg/L	4.870 NTU	-10.6 mV	29.65 ft	0.735 PSU	120.0 ml/min
10/16/2025 11:35 AM	05:00	7.018 pH	21.01 °C	1,458 µS/cm	0.146 mg/L	4.490 NTU	1.4 mV	29.65 ft	0.740 PSU	120.0 ml/min
10/16/2025 11:40 AM	10:00	7.017 pH	21.05 °C	1,472 µS/cm	0.146 mg/L	4.350 NTU	3.4 mV	29.65 ft	0.747 PSU	120.0 ml/min
10/16/2025 11:45 AM	15:00	7.015 pH	21.04 °C	1,482 µS/cm	0.142 mg/L	3.440 NTU	3.8 mV	29.65 ft	0.753 PSU	120.0 ml/min
10/16/2025 11:50 AM	20:00	7.010 pH	21.19 °C	1,496 µS/cm	0.143 mg/L	3.230 NTU	4.4 mV	29.65 ft	0.760 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 12/8/2025 10:43:45 AM
Project: Plant Bowen AP CA December Month 5 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.19 ft** **Total Depth: 45.19 ft** **Initial Depth to Water: 29.11 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 3850 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.54 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
12/8/2025 10:43 AM	00:00	6.734 pH	16.90 °C	1,786 µS/cm	0.265 mg/L	1.800 NTU	46.1 mV	29.60 ft	0.913 PSU	110.0 ml/min
12/8/2025 10:48 AM	05:00	6.738 pH	16.87 °C	1,795 µS/cm	0.290 mg/L	1.660 NTU	43.6 mV	29.60 ft	0.918 PSU	110.0 ml/min
12/8/2025 10:53 AM	10:00	6.738 pH	17.03 °C	1,803 µS/cm	0.281 mg/L	1.560 NTU	41.8 mV	29.60 ft	0.922 PSU	110.0 ml/min
12/8/2025 10:58 AM	15:00	6.739 pH	16.96 °C	1,811 µS/cm	0.311 mg/L	1.380 NTU	38.7 mV	29.62 ft	0.927 PSU	110.0 ml/min
12/8/2025 11:03 AM	20:00	6.739 pH	17.07 °C	1,808 µS/cm	0.292 mg/L	0.700 NTU	35.7 mV	29.63 ft	0.925 PSU	110.0 ml/min
12/8/2025 11:08 AM	25:00	6.741 pH	17.12 °C	1,814 µS/cm	0.277 mg/L	1.350 NTU	32.2 mV	29.63 ft	0.929 PSU	110.0 ml/min
12/8/2025 11:13 AM	30:00	6.739 pH	17.05 °C	1,824 µS/cm	0.291 mg/L	1.330 NTU	29.5 mV	29.64 ft	0.934 PSU	110.0 ml/min
12/8/2025 11:18 AM	35:00	6.742 pH	17.07 °C	1,825 µS/cm	0.284 mg/L	1.180 NTU	27.6 mV	29.65 ft	0.935 PSU	110.0 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 12/8/2025 10:45:56 AM
Project: Plant Bowen AP December Month 5 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.86 ft** **Total Depth: 43.86 ft** **Initial Depth to Water: 28.91 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 5870 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 4.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

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	
12/8/2025 10:45 AM	00:00	6.86 pH	16.55 °C	2,532.7 µS/cm	0.76 mg/L	10.30 NTU	1.6 mV	31.58 ft	1.32 PSU	120.00 ml/min
12/8/2025 10:50 AM	05:00	6.90 pH	16.90 °C	2,497.9 µS/cm	0.49 mg/L	8.51 NTU	-38.9 mV	31.91 ft	1.30 PSU	120.00 ml/min
12/8/2025 10:55 AM	10:00	6.92 pH	16.93 °C	2,470.2 µS/cm	0.43 mg/L	7.23 NTU	0.2 mV	32.17 ft	1.28 PSU	120.00 ml/min
12/8/2025 11:00 AM	15:00	6.93 pH	16.84 °C	2,537.7 µS/cm	0.40 mg/L	6.66 NTU	-1.0 mV	32.31 ft	1.32 PSU	110.00 ml/min
12/8/2025 11:05 AM	20:00	6.94 pH	16.95 °C	2,575.2 µS/cm	0.49 mg/L	5.95 NTU	-2.4 mV	32.46 ft	1.34 PSU	110.00 ml/min
12/8/2025 11:10 AM	25:00	6.95 pH	16.92 °C	2,588.1 µS/cm	0.52 mg/L	5.55 NTU	-1.7 mV	32.60 ft	1.35 PSU	110.00 ml/min
12/8/2025 11:15 AM	30:00	6.96 pH	16.92 °C	2,617.8 µS/cm	0.62 mg/L	5.23 NTU	-1.5 mV	32.72 ft	1.37 PSU	110.00 ml/min
12/8/2025 11:20 AM	35:00	6.97 pH	16.90 °C	2,618.6 µS/cm	0.71 mg/L	4.40 NTU	-0.8 mV	32.82 ft	1.37 PSU	110.00 ml/min
12/8/2025 11:25 AM	40:00	6.97 pH	17.01 °C	2,645.9 µS/cm	0.66 mg/L	4.25 NTU	-1.3 mV	32.89 ft	1.38 PSU	110.00 ml/min
12/8/2025 11:27 AM	42:00	6.97 pH	17.01 °C	2,677.5 µS/cm	0.66 mg/L	4.25 NTU	-3.0 mV	32.89 ft	1.40 PSU	110.00 ml/min
12/8/2025 11:32 AM	47:00	6.97 pH	17.09 °C	2,681.6 µS/cm	0.65 mg/L	4.05 NTU	-1.2 mV	33.00 ft	1.40 PSU	110.00 ml/min
12/8/2025 11:37 AM	52:00	6.98 pH	17.09 °C	2,703.3 µS/cm	0.63 mg/L	3.95 NTU	-1.1 mV	33.03 ft	1.41 PSU	110.00 ml/min

Samples

Sample ID:	Description:

PT-06	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 12/8/2025 12:18:42 PM
Project: Plant Bowen AP CA December Month 5 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 32.65 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 ft** **Estimated Total Volume Pumped: 2750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
12/8/2025 12:18 PM	00:00	6.662 pH	17.16 °C	1,402 µS/cm	0.812 mg/L	0.850 NTU	31.0 mV	32.70 ft	0.709 PSU	110.0 ml/min
12/8/2025 12:23 PM	05:00	6.655 pH	17.21 °C	1,397 µS/cm	0.740 mg/L	0.790 NTU	30.5 mV	32.70 ft	0.706 PSU	110.0 ml/min
12/8/2025 12:28 PM	10:00	6.653 pH	17.18 °C	1,412 µS/cm	0.705 mg/L	0.550 NTU	35.9 mV	32.70 ft	0.714 PSU	110.0 ml/min
12/8/2025 12:33 PM	15:00	6.651 pH	16.98 °C	1,405 µS/cm	0.689 mg/L	0.860 NTU	37.7 mV	32.70 ft	0.710 PSU	110.0 ml/min
12/8/2025 12:38 PM	20:00	6.650 pH	16.98 °C	1,403 µS/cm	0.686 mg/L	0.850 NTU	39.2 mV	32.70 ft	0.709 PSU	110.0 ml/min
12/8/2025 12:43 PM	25:00	6.648 pH	17.04 °C	1,398 µS/cm	0.683 mg/L	0.830 NTU	40.2 mV	32.70 ft	0.707 PSU	110.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 12/8/2025 1:50:58 PM
Project: Plant Bowen AP CA December Month 5 Performance Monitoring
Operator Name: Shannon Northen

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.92 ft** **Total Depth: 44.92 ft** **Initial Depth to Water: 29.65 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 4950 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202788**

Test Notes:
Pre-purged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
12/8/2025 1:50 PM	00:00	6.697 pH	17.15 °C	1,457 µS/cm	1.112 mg/L	1.260 NTU	50.2 mV	29.70 ft	0.738 PSU	110 ml/min
12/8/2025 1:55 PM	05:00	6.690 pH	17.88 °C	1,454 µS/cm	0.910 mg/L	1.620 NTU	48.6 mV	29.70 ft	0.737 PSU	110 ml/min
12/8/2025 2:00 PM	10:00	6.694 pH	17.30 °C	1,476 µS/cm	0.845 mg/L	1.070 NTU	51.7 mV	29.70 ft	0.748 PSU	110 ml/min
12/8/2025 2:05 PM	15:00	6.695 pH	17.04 °C	1,477 µS/cm	0.705 mg/L	1.180 NTU	52.4 mV	29.70 ft	0.748 PSU	110 ml/min
12/8/2025 2:10 PM	20:00	6.690 pH	17.12 °C	1,480 µS/cm	0.648 mg/L	1.150 NTU	52.7 mV	29.70 ft	0.750 PSU	110 ml/min
12/8/2025 2:15 PM	25:00	6.690 pH	17.69 °C	1,472 µS/cm	0.598 mg/L	1.080 NTU	53.0 mV	29.70 ft	0.746 PSU	110 ml/min
12/8/2025 2:20 PM	30:00	6.692 pH	17.34 °C	1,474 µS/cm	0.623 mg/L	1.180 NTU	53.6 mV	29.70 ft	0.747 PSU	110 ml/min
12/8/2025 2:25 PM	35:00	6.697 pH	17.67 °C	1,464 µS/cm	0.602 mg/L	1.190 NTU	54.0 mV	29.70 ft	0.742 PSU	110 ml/min
12/8/2025 2:30 PM	40:00	6.698 pH	17.20 °C	1,473 µS/cm	0.588 mg/L	1.050 NTU	54.4 mV	29.70 ft	0.747 PSU	110 ml/min
12/8/2025 2:35 PM	45:00	6.697 pH	17.28 °C	1,476 µS/cm	0.561 mg/L	0.600 NTU	54.6 mV	29.70 ft	0.748 PSU	110 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS
FD-01	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 12/8/2025 2:26:13 PM
Project: Plant Bowen AP CA December Month 5 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 29.38 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 16200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.44 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1197755**

Test Notes:
Prepurged 11 L. No sample collected due to high turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
12/8/2025 2:26 PM	00:00	7.26 pH	17.62 °C	1,569.6 µS/cm	1.49 mg/L	20.50 NTU	42.5 mV	29.79 ft	0.80 PSU	120.00 ml/min
12/8/2025 2:31 PM	05:00	7.14 pH	17.22 °C	1,612.6 µS/cm	0.57 mg/L	17.60 NTU	31.7 mV	29.81 ft	0.82 PSU	120.00 ml/min
12/8/2025 2:36 PM	10:00	7.13 pH	17.30 °C	1,570.7 µS/cm	0.60 mg/L	27.00 NTU	46.0 mV	29.81 ft	0.80 PSU	120.00 ml/min
12/8/2025 2:41 PM	15:00	7.14 pH	17.48 °C	1,528.4 µS/cm	0.66 mg/L	21.90 NTU	47.5 mV	29.81 ft	0.78 PSU	120.00 ml/min
12/8/2025 2:46 PM	20:00	7.15 pH	17.44 °C	1,477.8 µS/cm	0.66 mg/L	20.30 NTU	49.6 mV	29.81 ft	0.75 PSU	120.00 ml/min
12/8/2025 2:51 PM	25:00	7.14 pH	17.31 °C	1,457.1 µS/cm	0.63 mg/L	19.30 NTU	50.4 mV	29.81 ft	0.74 PSU	120.00 ml/min
12/8/2025 2:56 PM	30:00	7.10 pH	17.40 °C	1,534.7 µS/cm	0.57 mg/L	25.60 NTU	50.1 mV	29.81 ft	0.78 PSU	120.00 ml/min
12/8/2025 3:01 PM	35:00	7.04 pH	17.30 °C	1,736.0 µS/cm	0.45 mg/L	22.40 NTU	43.9 mV	29.81 ft	0.89 PSU	120.00 ml/min
12/8/2025 3:06 PM	40:00	7.03 pH	17.65 °C	1,768.0 µS/cm	0.41 mg/L	14.30 NTU	42.4 mV	29.81 ft	0.90 PSU	120.00 ml/min
12/8/2025 3:11 PM	45:00	7.05 pH	17.53 °C	1,746.2 µS/cm	0.40 mg/L	10.30 NTU	42.7 mV	29.81 ft	0.89 PSU	120.00 ml/min
12/8/2025 3:16 PM	50:00	7.05 pH	17.37 °C	1,731.1 µS/cm	0.45 mg/L	8.91 NTU	43.1 mV	29.81 ft	0.88 PSU	120.00 ml/min
12/8/2025 3:21 PM	55:00	7.06 pH	17.78 °C	1,694.0 µS/cm	0.48 mg/L	8.88 NTU	43.5 mV	29.81 ft	0.86 PSU	120.00 ml/min
12/8/2025 3:26 PM	01:00:00	7.07 pH	17.53 °C	1,674.6 µS/cm	0.45 mg/L	9.14 NTU	44.8 mV	29.81 ft	0.85 PSU	120.00 ml/min
12/8/2025 3:31 PM	01:05:00	7.07 pH	17.38 °C	1,650.3 µS/cm	0.44 mg/L	9.18 NTU	45.8 mV	29.81 ft	0.84 PSU	120.00 ml/min
12/8/2025 3:36 PM	01:10:00	7.09 pH	17.31 °C	1,550.7 µS/cm	0.44 mg/L	17.20 NTU	48.9 mV	29.81 ft	0.79 PSU	120.00 ml/min

12/8/2025 3:41 PM	01:15:00	7.11 pH	17.13 °C	1,419.2 µS/cm	0.47 mg/L	302.00 NTU	54.9 mV	29.86 ft	0.72 PSU	120.00 ml/min
12/8/2025 3:46 PM	01:20:00	7.14 pH	17.13 °C	1,326.1 µS/cm	0.35 mg/L	224.00 NTU	56.5 mV	29.83 ft	0.67 PSU	120.00 ml/min
12/8/2025 3:51 PM	01:25:00	7.14 pH	17.04 °C	1,333.6 µS/cm	0.32 mg/L	153.00 NTU	57.5 mV	29.82 ft	0.67 PSU	120.00 ml/min
12/8/2025 3:56 PM	01:30:00	7.11 pH	17.04 °C	1,462.1 µS/cm	0.31 mg/L	116.00 NTU	57.5 mV	29.80 ft	0.74 PSU	120.00 ml/min
12/8/2025 4:01 PM	01:35:00	7.09 pH	16.93 °C	1,550.8 µS/cm	0.33 mg/L	78.50 NTU	57.5 mV	29.80 ft	0.79 PSU	120.00 ml/min
12/8/2025 4:06 PM	01:40:00	7.07 pH	16.91 °C	1,603.8 µS/cm	0.33 mg/L	63.90 NTU	58.1 mV	29.80 ft	0.82 PSU	120.00 ml/min
12/8/2025 4:11 PM	01:45:00	7.06 pH	16.91 °C	1,648.4 µS/cm	0.31 mg/L	58.10 NTU	58.4 mV	29.80 ft	0.84 PSU	120.00 ml/min
12/8/2025 4:16 PM	01:50:00	7.05 pH	16.93 °C	1,672.8 µS/cm	0.31 mg/L	48.00 NTU	58.5 mV	29.81 ft	0.85 PSU	120.00 ml/min
12/8/2025 4:21 PM	01:55:00	7.05 pH	17.02 °C	1,695.0 µS/cm	0.30 mg/L	44.00 NTU	58.6 mV	29.81 ft	0.86 PSU	120.00 ml/min
12/8/2025 4:26 PM	02:00:00	7.04 pH	16.91 °C	1,726.7 µS/cm	0.29 mg/L	39.80 NTU	58.6 mV	29.81 ft	0.88 PSU	120.00 ml/min
12/8/2025 4:31 PM	02:05:00	7.03 pH	16.76 °C	1,747.8 µS/cm	0.29 mg/L	28.10 NTU	58.6 mV	29.81 ft	0.89 PSU	120.00 ml/min
12/8/2025 4:36 PM	02:10:00	7.03 pH	16.77 °C	1,762.5 µS/cm	0.28 mg/L	32.50 NTU	58.5 mV	29.82 ft	0.90 PSU	120.00 ml/min
12/8/2025 4:41 PM	02:15:00	7.03 pH	16.67 °C	1,768.1 µS/cm	0.28 mg/L	40.30 NTU	58.5 mV	29.82 ft	0.90 PSU	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 12/9/2025 11:32:00 AM
Project: Plant Bowen AP CA December Month 5 Performance Monitoring
Operator Name: Shannon Northen

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.88 ft** **Total Depth: 44.88 ft** **Initial Depth to Water: 29.4 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.33 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1182553**

Test Notes:
Pre-purged 3.5 L
Purged 27.2 L on 12/8/25, no sample was collected due to turbidity

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
12/9/2025 11:32 AM	00:00	6.857 pH	17.09 °C	1,775 µS/cm	0.331 mg/L	13.60 NTU	81.2 mV	29.65 ft	0.908 PSU	100.0 ml/min
12/9/2025 11:37 AM	05:00	6.841 pH	17.08 °C	1,780 µS/cm	0.276 mg/L	11.80 NTU	82.7 mV	29.68 ft	0.910 PSU	100.0 ml/min
12/9/2025 11:42 AM	10:00	6.828 pH	17.24 °C	1,838 µS/cm	0.240 mg/L	10.50 NTU	60.2 mV	29.69 ft	0.941 PSU	100.0 ml/min
12/9/2025 11:47 AM	15:00	6.817 pH	17.21 °C	1,870 µS/cm	0.222 mg/L	10.00 NTU	55.5 mV	29.69 ft	0.959 PSU	100.0 ml/min
12/9/2025 11:52 AM	20:00	6.816 pH	17.28 °C	1,878 µS/cm	0.211 mg/L	9.410 NTU	49.7 mV	29.70 ft	0.963 PSU	100.0 ml/min
12/9/2025 11:57 AM	25:00	6.800 pH	17.34 °C	1,910 µS/cm	0.203 mg/L	6.370 NTU	36.8 mV	29.70 ft	0.980 PSU	100.0 ml/min
12/9/2025 12:02 PM	30:00	6.796 pH	17.43 °C	1,934 µS/cm	0.198 mg/L	6.040 NTU	28.8 mV	29.70 ft	0.993 PSU	100.0 ml/min
12/9/2025 12:07 PM	35:00	6.795 pH	17.47 °C	1,940 µS/cm	0.196 mg/L	5.920 NTU	24.6 mV	29.70 ft	0.996 PSU	100.0 ml/min
12/9/2025 12:12 PM	40:00	6.802 pH	17.50 °C	1,935 µS/cm	0.197 mg/L	5.700 NTU	22.2 mV	29.73 ft	0.994 PSU	100.0 ml/min
12/9/2025 12:17 PM	45:00	6.807 pH	17.41 °C	1,930 µS/cm	0.190 mg/L	5.310 NTU	20.7 mV	29.73 ft	0.991 PSU	100.0 ml/min
12/9/2025 12:22 PM	50:00	6.813 pH	17.30 °C	1,937 µS/cm	0.189 mg/L	4.680 NTU	19.4 mV	29.73 ft	0.995 PSU	100.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/23/2025

Calibrated By: Shannon Northen

Field Conditions: 89/72

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1211518
Turbidity Meter	LaMotte 2020	15114111

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand	
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
pH (SU)	4.00	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
pH (SU)	7.00	~~24008587~~	~~08/2025~~	Atlanta Instrument Rental, Inc.	24014268 01/2026
pH (SU)	10.00	~~24004996~~	~~06/2025~~	Atlanta Instrument Rental, Inc.	24011537 01/2026
D.O. (%)	N/A	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
ORP (mV)	228.0	~~24006903~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24001162 01/2026

Calibration

Time Start	08:33	Time Finish	08:49		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	111.70	25.92	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,554.00	25.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.26	25.13	± 0.1	GWMP
pH (SU)	7.00	7.19	25.60	± 0.1	GWMP
pH (SU)	10.00	10.17	25.83	± 0.1	GWMP
ORP (mV)	228.0	212.60	25.88	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	9.96		

Calibration Check

Time Start	08:59	Time Finish	08:59		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,242.00	28.82	± 10% of standard	EPA 2023
pH (SU)	4.00	4.65	28.71	± 0.1	GWMP
pH (SU)	7.00	7.15	28.61	± 0.1	GWMP
pH (SU)	10.00	10.00	28.58	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	9.95		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/23/2025

Calibrated By: Jay Siewert

Field Conditions: 89°/72°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand	
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
pH (SU)	4.00	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
pH (SU)	7.00	~~24000587~~	~~06/2026~~	Atlanta Instrument Rental, Inc.	24014266 01/2026
pH (SU)	10.00	~~24004096~~	~~06/2025~~	Atlanta Instrument Rental, Inc.	24011537 01/2026
D.O. (%)	N/A	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
ORP (mV)	228.0	~~24006903~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	22490162 01/2026

Calibration

Time Start	08:37	Time Finish	08:57		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.44	25.06	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,484.00	25.66	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	25.72	± 0.1	GWMP
pH (SU)	7.00	7.06	25.96	± 0.1	GWMP
pH (SU)	10.00	10.10	26.06	± 0.1	GWMP
ORP (mV)	228.0	229.90	28.93	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.92		
	10.00	9.92		

Calibration Check

Time Start	13:00	Time Finish	13:09		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,512.00	27.97	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	27.95	± 0.1	GWMP
pH (SU)	7.00	7.10	28.19	± 0.1	GWMP
pH (SU)	10.00	10.08	28.94	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	10.04		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/24/2025

Calibrated By: Jay Siewert

Field Conditions: 92°/74°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information					
Parameter	Standard	Lot #	Date of Expiration	Brand	
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
pH (SU)	4.00	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
pH (SU)	7.00	~~24008587~~	~~06/2025~~	Atlanta Instrument Rental, Inc.	24014266 01/2026
pH (SU)	10.00	~~24004996~~	~~06/2025~~	Atlanta Instrument Rental, Inc.	24011537 01/2026
D.O. (%)	N/A	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218 01/2026
ORP (mV)	228.0	~~24006003~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	22490162 01/2026

Calibration					
Time Start	08:53	Time Finish	09:06		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	99.40	24.59	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,482.00	24.47	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	24.71	± 0.1	GWMP
pH (SU)	7.00	6.96	24.74	± 0.1	GWMP
pH (SU)	10.00	9.98	24.79	± 0.1	GWMP
ORP (mV)	228.0	280.80	24.74	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	10.08		

Calibration Check					
Time Start	12:32	Time Finish	12:41		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,482.00	33.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	33.41	± 0.1	GWMP
pH (SU)	7.00	7.09	34.01	± 0.1	GWMP
pH (SU)	10.00	10.14	33.92	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	9.94		

Notes:

Start of Day:

End of Day:

07/24/2025

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: ~~07/23/2025~~

Calibrated By: Shannon Northen

Field Conditions: 89/72

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1211518
Turbidity Meter	LaMotte 2020	15114111

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand		
Specific Conductance (µS/cm)	4,490	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218	01/2026
pH (SU)	4.00	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218	01/2026
pH (SU)	7.00	~~24000587~~	~~06/2025~~	Atlanta Instrument Rental, Inc.	24014206	01/2026
pH (SU)	10.00	~~24004996~~	~~08/2025~~	Atlanta Instrument Rental, Inc.	24011337	01/2026
D.O. (%)	N/A	~~24010943~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	24014218	01/2026
ORP (mV)	228.0	~~24000903~~	~~05/2025~~	Atlanta Instrument Rental, Inc.	22490162	01/2026

Calibration

Time Start	08:33	Time Finish	08:49		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	111.70	25.92	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,554.00	25.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.26	25.13	± 0.1	GWMP
pH (SU)	7.00	7.19	25.60	± 0.1	GWMP
pH (SU)	10.00	10.17	25.83	± 0.1	GWMP
ORP (mV)	228.0	212.60	25.88	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	9.96		

Calibration Check

Time Start	08:59	Time Finish	08:59		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,242.00	28.82	± 10% of standard	EPA 2023
pH (SU)	4.00	4.65	28.71	± 0.1	GWMP
pH (SU)	7.00	7.15	28.61	± 0.1	GWMP
pH (SU)	10.00	10.00	28.58	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	9.95		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/30/2025

Calibrated By: Natalie Piparo

Field Conditions: H 90, L 74

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:46	**Time Finish**	08:57		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.51	27.24	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,556.50	27.79	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	28.00	± 0.1	GWMP
pH (SU)	7.00	7.04	28.44	± 0.1	GWMP
pH (SU)	10.00	10.02	28.63	± 0.1	GWMP
ORP (mV)	228.0	222.30	28.60	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.13		
	10.00	10.50		

Calibration Check					
Time Start	15:19	**Time Finish**	15:30		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,402.50	29.58	± 10% of standard	EPA 2023
pH (SU)	4.00	4.23	29.72	± 0.1	GWMP
pH (SU)	7.00	7.26	30.69	± 0.1	GWMP
pH (SU)	10.00	10.16	32.09	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	10.04		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 07/30/2025

Calibrated By: Shannon Northen

Field Conditions: 90°/74°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1211518
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:51	**Time Finish**	08:56		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.60	27.55	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,606.00	27.59	± 10% of standard	EPA 2023
pH (SU)	4.00	4.65	27.61	± 0.1	GWMP
pH (SU)	7.00	7.58	26.81	± 0.1	GWMP
pH (SU)	10.00	10.35	26.79	± 0.1	GWMP
ORP (mV)	228.0	189.30	27.30	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	9.90		

Calibration Check					
Time Start	15:23	**Time Finish**	15:30		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,432.00	40.03	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	40.07	± 0.1	GWMP
pH (SU)	7.00	7.16	40.17	± 0.1	GWMP
pH (SU)	10.00	10.13	40.32	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.14		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/06/2025

Calibrated By: Shannon Northen

Field Conditions: 83°/ 69°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:28	**Time Finish**	08:29		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.60	21.56	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,186.00	21.59	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	21.62	± 0.1	GWMP
pH (SU)	7.00	7.03	21.67	± 0.1	GWMP
pH (SU)	10.00	10.06	21.75	± 0.1	GWMP
ORP (mV)	228.0	225.80	21.00	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	10.14		

Calibration Check					
Time Start	16:15	**Time Finish**	16:25		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,486.00	34.79	± 10% of standard	EPA 2023
pH (SU)	4.00	4.14	34.73	± 0.1	GWMP
pH (SU)	7.00	7.20	34.68	± 0.1	GWMP
pH (SU)	10.00	10.25	34.43	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	9.86		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/07/2025

Calibrated By: Shannon Northen

Field Conditions: 68°/ 85°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:33	**Time Finish**	08:49		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.74	23.77	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,433.00	23.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.00	± 0.1	GWMP
pH (SU)	7.00	7.02	24.61	± 0.1	GWMP
pH (SU)	10.00	10.04	24.94	± 0.1	GWMP
ORP (mV)	228.0	221.30	25.03	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.95		
	10.00	10.12		

Calibration Check					
Time Start	16:08	**Time Finish**	16:16		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,462.00	32.62	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	32.62	± 0.1	GWMP
pH (SU)	7.00	7.22	32.61	± 0.1	GWMP
pH (SU)	10.00	10.20	32.57	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	10.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/12/2025

Calibrated By: Shannon Northen

Field Conditions: 82°/ 73°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:48	**Time Finish**	09:03		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.90	24.97	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,451.00	24.99	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	25.03	± 0.1	GWMP
pH (SU)	7.00	7.01	25.02	± 0.1	GWMP
pH (SU)	10.00	10.01	24.94	± 0.1	GWMP
ORP (mV)	228.0	229.70	25.04	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.14		
	10.00	10.06		

Calibration Check					
Time Start	16:20	**Time Finish**	16:29		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,458.00	30.58	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	30.61	± 0.1	GWMP
pH (SU)	7.00	7.23	30.65	± 0.1	GWMP
pH (SU)	10.00	10.22	30.69	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.14		
	10.00	9.84		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/12/2025

Calibrated By: Natalie Piparo

Field Conditions: H 82, L 72

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	LaMotte 2020	41262623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:39	**Time Finish**	09:53		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.34	24.90	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,476.30	24.91	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.97	± 0.1	GWMP
pH (SU)	7.00	7.07	24.95	± 0.1	GWMP
pH (SU)	10.00	10.01	24.98	± 0.1	GWMP
ORP (mV)	228.0	226.20	25.05	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	10.14		

Calibration Check					
Time Start	16:24	**Time Finish**	16:28		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,548.40	27.65	± 10% of standard	EPA 2023
pH (SU)	4.00	4.20	27.65	± 0.1	GWMP
pH (SU)	7.00	7.23	27.69	± 0.1	GWMP
pH (SU)	10.00	10.21	27.82	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	10.06		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/26/2025

Calibrated By: Shannon Northen

Field Conditions: 79°/ 62°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	14754011

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:51	**Time Finish**	09:11		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	96.65	20.88	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,473.00	20.88	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	20.85	± 0.1	GWMP
pH (SU)	7.00	7.04	20.59	± 0.1	GWMP
pH (SU)	10.00	10.04	20.82	± 0.1	GWMP
ORP (mV)	228.0	232.30	21.22	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	9.76		

Calibration Check					
Time Start	17:08	**Time Finish**	17:16		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,567.00	33.86	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	34.05	± 0.1	GWMP
pH (SU)	7.00	7.21	34.25	± 0.1	GWMP
pH (SU)	10.00	10.19	34.41	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.10		
	10.00	10.06		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 08/27/2025

Calibrated By: Shannon Northen

Field Conditions: 81°/ 55°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	14754011

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:05	**Time Finish**	09:17		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	103.20	17.49	± 10%	NA
Specific Conductance (µS/cm)	4,490	446.00	17.48	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	17.47	± 0.1	GWMP
pH (SU)	7.00	7.03	17.70	± 0.1	GWMP
pH (SU)	10.00	10.05	17.90	± 0.1	GWMP
ORP (mV)	228.0	234.10	17.91	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.08		
	10.00	9.90		

Calibration Check					
Time Start	16:01	**Time Finish**	16:07		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,463.00	41.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	41.75	± 0.1	GWMP
pH (SU)	7.00	7.23	42.24	± 0.1	GWMP
pH (SU)	10.00	10.25	43.02	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.08		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 09/11/2025

Calibrated By: Jay Siewert

Field Conditions: 84°/63°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1170046
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:31	**Time Finish**	08:44		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.10	17.09	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,534.00	17.99	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	18.44	± 0.1	GWMP
pH (SU)	7.00	7.09	19.72	± 0.1	GWMP
pH (SU)	10.00	10.17	20.25	± 0.1	GWMP
ORP (mV)	228.0	229.50	20.21	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.10		
	10.00	10.39		

Calibration Check					
Time Start	16:08	**Time Finish**	16:19		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,367.00	28.28	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	28.27	± 0.1	GWMP
pH (SU)	7.00	7.10	28.51	± 0.1	GWMP
pH (SU)	10.00	10.05	30.58	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.06		
	10.00	10.25		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 09/15/2025

Calibrated By: Jay Siewert

Field Conditions: 89°/64°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1170046
Turbidity Meter	LaMotte 2020	94534417

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:36	**Time Finish**	08:46		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.20	20.43	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,574.00	20.75	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	20.92	± 0.1	GWMP
pH (SU)	7.00	7.06	21.38	± 0.1	GWMP
pH (SU)	10.00	10.00	21.69	± 0.1	GWMP
ORP (mV)	228.0	225.50	21.75	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	10.81		

Calibration Check					
Time Start	13:33	**Time Finish**	13:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,264.00	21.91	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	25.04	± 0.1	GWMP
pH (SU)	7.00	7.10	25.79	± 0.1	GWMP
pH (SU)	10.00	10.07	28.31	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	10.50		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 10/15/2025

Calibrated By: Shannon Northen

Field Conditions: 83°/ 52°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:04	**Time Finish**	09:20		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	95.89	19.65	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,540.00	19.96	± 10% of standard	EPA 2023
pH (SU)	4.00	4.13	19.91	± 0.1	GWMP
pH (SU)	7.00	7.11	20.45	± 0.1	GWMP
pH (SU)	10.00	10.10	20.41	± 0.1	GWMP
ORP (mV)	228.0	228.80	20.82	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.09	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	9.95		

Calibration Check					
Time Start	13:59	**Time Finish**	16:09		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,419.00	34.02	± 10% of standard	EPA 2023
pH (SU)	4.00	4.14	34.02	± 0.1	GWMP
pH (SU)	7.00	7.25	33.89	± 0.1	GWMP
pH (SU)	10.00	10.23	33.70	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.09	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.15		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 10/16/2025

Calibrated By: Shannon Northen

Field Conditions: 81°/55°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	20680320

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	08:46	**Time Finish**	09:03		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.50	18.08	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,490.00	18.15	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	18.18	± 0.1	GWMP
pH (SU)	7.00	7.05	19.01	± 0.1	GWMP
pH (SU)	10.00	10.08	19.22	± 0.1	GWMP
ORP (mV)	228.0	230.10	19.53	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.06	± 10% of standard	EPA 2023
	1.00	1.12		
	10.00	10.06		

Calibration Check					
Time Start	12:40	**Time Finish**	12:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,372.00	36.32	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	36.32	± 0.1	GWMP
pH (SU)	7.00	7.24	36.58	± 0.1	GWMP
pH (SU)	10.00	10.23	37.10	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.09	± 10% of standard	EPA 2023
	1.00	1.13		
	10.00	10.15		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 10/16/2025

Calibrated By: William Laaker

Field Conditions: 82/55 sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1182553
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:00	**Time Finish**	09:21		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	93.72	13.91	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,522.00	14.39	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	14.65	± 0.1	GWMP
pH (SU)	7.00	7.09	15.33	± 0.1	GWMP
pH (SU)	10.00	10.10	15.74	± 0.1	GWMP
ORP (mV)	228.0	239.70	15.78	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.92		
	10.00	10.12		

Calibration Check					
Time Start	13:00	**Time Finish**	13:08		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,311.00	18.37	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	18.41	± 0.1	GWMP
pH (SU)	7.00	7.18	19.04	± 0.1	GWMP
pH (SU)	10.00	10.19	20.84	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.99		
	10.00	10.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 12/08/2025

Calibrated By: Natalie Piparo

Field Conditions: H 48, L 35

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
Turbidity Meter	Hach 21000Q	220900000239

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:08	**Time Finish**	09:22		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	97.53	16.62	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,505.60	16.40	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	16.38	± 0.1	GWMP
pH (SU)	7.00	7.05	16.10	± 0.1	GWMP
pH (SU)	10.00	10.09	15.92	± 0.1	GWMP
ORP (mV)	228.0	216.10	15.78	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10.00	10.00	± 10% of standard	EPA 2023
	20.00	20.60		
	100.00	100.02		
	800.00	809.00		

Calibration Check					
Time Start	17:20	**Time Finish**	17:34		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,482.60	9.44	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	9.49	± 0.1	GWMP
pH (SU)	7.00	7.14	9.28	± 0.1	GWMP
pH (SU)	10.00	10.11	9.26	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10.00	10.03	± 10% of standard	EPA 2023
	20.00	20.24		
	100.00	101.00		
	800.00	802.00		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 12/08/2025

Calibrated By: Shannon Northen

Field Conditions: 48/35

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202788
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:07	**Time Finish**	09:25		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.60	16.32	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,375.00	13.75	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	13.36	± 0.1	GWMP
pH (SU)	7.00	7.08	14.75	± 0.1	GWMP
pH (SU)	10.00	9.94	13.97	± 0.1	GWMP
ORP (mV)	228.0	215.10	13.88	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.97		
	10.00	9.89		

Calibration Check					
Time Start	16:18	**Time Finish**	16:35		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,464.00	13.55	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	13.57	± 0.1	GWMP
pH (SU)	7.00	6.86	13.50	± 0.1	GWMP
pH (SU)	10.00	10.02	13.41	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	10.12		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 12/09/2025

Calibrated By: Shannon Northen

Field Conditions: 50°/ 27°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1182553
Turbidity Meter	LaMotte 2020	70423818

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24014218	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	24014266	01/2026	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	24011537	01/2026	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24014218	01/2026	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	22490162	01/2026	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	09:53	**Time Finish**	10:10		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	97.94	0.40	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,550.00	0.44	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	0.51	± 0.1	GWMP
pH (SU)	7.00	7.14	0.29	± 0.1	GWMP
pH (SU)	10.00	10.26	0.08	± 0.1	GWMP
ORP (mV)	228.0	234.50	0.61	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	9.95		

Calibration Check					
Time Start	13:14	**Time Finish**	13:20		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,390.00	17.27	± 10% of standard	EPA 2023
pH (SU)	4.00	4.19	17.29	± 0.1	GWMP
pH (SU)	7.00	7.32	17.48	± 0.1	GWMP
pH (SU)	10.00	10.24	17.72	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	10.05		

Notes:

Start of Day:

End of Day:

APPENDIX C

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 6:51:59 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-35913-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
12/10/2025 6:51:59 AM
Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-35913-1	BOW-PT-02	Water	07/08/25 08:26	07/08/25 12:25	Georgia
705-35913-2	BOW-PT-04	Water	07/08/25 08:30	07/08/25 12:25	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			
City: Kennesaw	TAT Requested (days): 2-day TAT			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433			
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100			
Project Name: Plant Bowen	Project #: GW6581H			
Site:	WO#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02-20250708	7/8/25	0826	G	WG	N	N	X	X	X	X	2	
BOW-PT-04-20250708	7/8/25	0830	G	WG	N	N	X	X	X	X	2	

705-35913 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250708**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	7/8/2025 10:13	Geosyntec	Dena Higgins	7/8/2025 10:13	
2	Dena Higgins	7/8/2025 11:42		[signature]	7/8/25 11:42	Eurofins
3	[signature]	7/8/25 12:25	Eurofins	[signature]	7.8.25 1225	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.0 #2665

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340
Phone 770-457-8177 Fax 770-457-8188

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller David	Carrier Tracking No(s): N/A	COC No: 705-50244 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David Fuller@et.eurofinsus com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 705-35913-2
Address: 481 Newburyport Avenue	Due Date Requested: 7/10/2025			
City: Altamonte Springs	TAT Requested (days): N/A			
State Zip: FL 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Bowen	Project #: 70504433			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28DChloride & Sulfate	Total Number of containers	Special Instructions/Note
			Preservation Code						
BOW-PT-02 (705-35913-1)	7/8/25	08 26 Eastern	G	Water			X	1	
BOW-PT-04 (705-35913-2)	7/8/25	08 30 Eastern	G	Water			X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing Southeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Anna Neal	7-10-25 1650			7/11/25 9:10	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.9|0.7

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-35913-1

Login Number: 35913
List Number: 1
Creator: Jeremiah, Mortley

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-35913-1

Login Number: 35913
List Number: 2
Creator: Gemeinhardt, Alexandria

List Source: Eurofins Orlando
List Creation: 07/11/25 10:21 AM

Question	Answer	Comment
The cooler or samples do not appear to have been compromised or tampered with	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-35913-1

Revision 1
The report being provided is a revision of the original report sent on 7/11/2025. The report is being revised in order to add B qualifier flags to Sodium as needed to these samples and to include a narrative comment below about this qualifier flag.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/8/2025 12:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-66649 and analytical batch 705-66912 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Client Sample ID: BOW-PT-02

Date Collected: 07/08/25 08:26
Date Received: 07/08/25 12:25

Lab Sample ID: 705-35913-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		4.0	2.0	mg/L			07/11/25 12:41	10
Sulfate	370		10	5.0	mg/L			07/11/25 12:41	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	7.8		0.050	0.026	mg/L		07/09/25 14:49	07/10/25 12:23	1
Calcium	220		0.50	0.19	mg/L		07/09/25 14:49	07/10/25 14:00	5
Iron	ND		0.10	0.035	mg/L		07/09/25 14:49	07/10/25 12:23	1
Magnesium	39		0.10	0.036	mg/L		07/09/25 14:49	07/10/25 12:23	1
Potassium	8.0		0.50	0.32	mg/L		07/09/25 14:49	07/10/25 12:23	1
Sodium	29	B	1.0	0.039	mg/L		07/09/25 14:49	07/10/25 12:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00070	J	0.0050	0.00041	mg/L		07/10/25 08:26	07/10/25 17:29	1
Molybdenum	0.035		0.0050	0.00069	mg/L		07/10/25 08:26	07/10/25 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	170		3.0	3.0	mg/L			07/10/25 10:42	1
Total Alkalinity (SM 2320B-2011)	170		3.0	3.0	mg/L			07/10/25 10:42	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Client Sample ID: BOW-PT-04

Date Collected: 07/08/25 08:30
Date Received: 07/08/25 12:25

Lab Sample ID: 705-35913-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		4.0	2.0	mg/L			07/11/25 12:53	10
Sulfate	380		10	5.0	mg/L			07/11/25 12:53	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	9.7		0.050	0.026	mg/L		07/09/25 14:49	07/10/25 12:26	1
Calcium	230		0.50	0.19	mg/L		07/09/25 14:49	07/10/25 14:03	5
Iron	ND		0.090	0.090	mg/L		07/09/25 14:49	07/10/25 12:26	1
Magnesium	45		0.10	0.036	mg/L		07/09/25 14:49	07/10/25 12:26	1
Potassium	9.3		0.50	0.32	mg/L		07/09/25 14:49	07/10/25 12:26	1
Sodium	68	B	1.0	0.039	mg/L		07/09/25 14:49	07/10/25 12:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0063		0.0050	0.00041	mg/L		07/10/25 08:26	07/10/25 17:32	1
Molybdenum	0.022		0.0050	0.00069	mg/L		07/10/25 08:26	07/10/25 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	240		3.0	3.0	mg/L			07/10/25 10:42	1
Total Alkalinity (SM 2320B-2011)	240		3.0	3.0	mg/L			07/10/25 10:42	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ORL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 670-163113/6
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.40	0.20	mg/L			07/11/25 09:54	1
Sulfate	ND		1.0	0.50	mg/L			07/11/25 09:54	1

Lab Sample ID: LCS 670-163113/4
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.92		mg/L		98	80 - 120
Sulfate	10.0	9.84		mg/L		98	80 - 120

Lab Sample ID: LCSD 670-163113/5
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	3.92		mg/L		98	80 - 120	0	15
Sulfate	10.0	9.80		mg/L		98	80 - 120	0	15

Lab Sample ID: 705-35717-C-1 MS
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.67		5.00	5.58		mg/L		98	80 - 120
Sulfate	3.7		5.00	8.68		mg/L		99	80 - 120

Lab Sample ID: 705-35717-C-1 MSD
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.67		5.00	5.64		mg/L		99	80 - 120	1	15
Sulfate	3.7		5.00	8.76		mg/L		100	80 - 120	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-66649/1-A
Matrix: Water
Analysis Batch: 66912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/09/25 14:49	07/10/25 11:38	1
Calcium	ND		0.10	0.038	mg/L		07/09/25 14:49	07/10/25 11:38	1
Iron	ND		0.10	0.035	mg/L		07/09/25 14:49	07/10/25 11:38	1
Magnesium	ND		0.10	0.036	mg/L		07/09/25 14:49	07/10/25 11:38	1
Potassium	ND		0.50	0.32	mg/L		07/09/25 14:49	07/10/25 11:38	1
Sodium	0.661	J	1.0	0.039	mg/L		07/09/25 14:49	07/10/25 11:38	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-66649/2-A
Matrix: Water
Analysis Batch: 66912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.00		mg/L		100	80 - 120
Calcium	10.0	9.50		mg/L		95	80 - 120
Iron	10.0	11.8		mg/L		118	80 - 120
Magnesium	10.0	9.81		mg/L		98	80 - 120
Potassium	10.0	10.1		mg/L		101	80 - 120
Sodium	10.0	10.9		mg/L		109	80 - 120

Lab Sample ID: 705-35383-B-1-B MS
Matrix: Water
Analysis Batch: 66912

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.034	J	1.00	1.05		mg/L		101	75 - 125
Calcium	13		10.0	21.8		mg/L		93	75 - 125
Iron	1.6		10.0	13.2		mg/L		116	75 - 125
Magnesium	1.6		10.0	11.3		mg/L		97	75 - 125
Potassium	2.5		10.0	12.7		mg/L		102	75 - 125
Sodium	5.1		10.0	15.6		mg/L		105	75 - 125

Lab Sample ID: 705-35383-B-1-C MSD
Matrix: Water
Analysis Batch: 66912

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 66649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.034	J	1.00	1.05		mg/L		101	75 - 125	0	20
Calcium	13		10.0	22.0		mg/L		95	75 - 125	1	20
Iron	1.6		10.0	13.3		mg/L		117	75 - 125	1	20
Magnesium	1.6		10.0	11.4		mg/L		98	75 - 125	1	20
Potassium	2.5		10.0	12.8		mg/L		103	75 - 125	1	20
Sodium	5.1		10.0	15.8		mg/L		107	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-66797/1-A
Matrix: Water
Analysis Batch: 67014

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 66797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/10/25 08:26	07/10/25 16:45	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/10/25 08:26	07/10/25 16:45	1

Lab Sample ID: LCS 705-66797/2-A
Matrix: Water
Analysis Batch: 67014

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 66797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.0977		mg/L		98	80 - 120
Molybdenum	0.100	0.0973		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-265103-H-1-C MS
Matrix: Water
Analysis Batch: 67014

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 66797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	ND		0.100	0.100		mg/L		100	75 - 125
Molybdenum	0.0011	J	0.100	0.101		mg/L		100	75 - 125

Lab Sample ID: 680-265103-H-1-D MSD
Matrix: Water
Analysis Batch: 67014

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 66797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		0.100	0.100		mg/L		100	75 - 125	0	20
Molybdenum	0.0011	J	0.100	0.102		mg/L		101	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-66852/1
Matrix: Water
Analysis Batch: 66852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bicarbonate Alkalinity	125	125		mg/L		100	90 - 110
Total Alkalinity	125	125		mg/L		100	90 - 110

Lab Sample ID: 705-35257-B-1 DU
Matrix: Water
Analysis Batch: 66852

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity	83		82.2		mg/L		1	30
Total Alkalinity	83		82.2		mg/L		1	30

HPLC/IC

Analysis Batch: 163113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total/NA	Water	9056A	
705-35913-2	BOW-PT-04	Total/NA	Water	9056A	
MB 670-163113/6	Method Blank	Total/NA	Water	9056A	
LCS 670-163113/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 670-163113/5	Lab Control Sample Dup	Total/NA	Water	9056A	
705-35717-C-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-35717-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 66649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total/NA	Water	3010A	
705-35913-2	BOW-PT-04	Total/NA	Water	3010A	
MB 705-66649/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-66649/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-35383-B-1-B MS	Matrix Spike	Total/NA	Water	3010A	
705-35383-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 66797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total Recoverable	Water	3005A	
705-35913-2	BOW-PT-04	Total Recoverable	Water	3005A	
MB 705-66797/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-66797/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-265103-H-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
680-265103-H-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 66912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total/NA	Water	6010D	66649
705-35913-2	BOW-PT-04	Total/NA	Water	6010D	66649
MB 705-66649/1-A	Method Blank	Total/NA	Water	6010D	66649
LCS 705-66649/2-A	Lab Control Sample	Total/NA	Water	6010D	66649
705-35383-B-1-B MS	Matrix Spike	Total/NA	Water	6010D	66649
705-35383-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	66649

Analysis Batch: 66948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total/NA	Water	6010D	66649
705-35913-2	BOW-PT-04	Total/NA	Water	6010D	66649

Analysis Batch: 67014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total Recoverable	Water	6020B	66797
705-35913-2	BOW-PT-04	Total Recoverable	Water	6020B	66797
MB 705-66797/1-A	Method Blank	Total Recoverable	Water	6020B	66797
LCS 705-66797/2-A	Lab Control Sample	Total Recoverable	Water	6020B	66797
680-265103-H-1-C MS	Matrix Spike	Total Recoverable	Water	6020B	66797
680-265103-H-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	66797

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

General Chemistry

Analysis Batch: 66852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35913-1	BOW-PT-02	Total/NA	Water	2320B-2011	
705-35913-2	BOW-PT-04	Total/NA	Water	2320B-2011	
LCS 705-66852/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-35257-B-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Client Sample ID: BOW-PT-02

Lab Sample ID: 705-35913-1

Date Collected: 07/08/25 08:26

Matrix: Water

Date Received: 07/08/25 12:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	163113	YGS	EET ORL	07/11/25 12:41
Total/NA	Prep	3010A			66649	SA	EET ATL	07/09/25 14:49
Total/NA	Analysis	6010D		1	66912	DAB	EET ATL	07/10/25 12:23
Total/NA	Prep	3010A			66649	SA	EET ATL	07/09/25 14:49
Total/NA	Analysis	6010D		5	66948	DAB	EET ATL	07/10/25 14:00
Total Recoverable	Prep	3005A			66797	SA	EET ATL	07/10/25 08:26
Total Recoverable	Analysis	6020B		1	67014	MD	EET ATL	07/10/25 17:29
Total/NA	Analysis	2320B-2011		1	66852	AH	EET ATL	07/10/25 10:42

Client Sample ID: BOW-PT-04

Lab Sample ID: 705-35913-2

Date Collected: 07/08/25 08:30

Matrix: Water

Date Received: 07/08/25 12:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	163113	YGS	EET ORL	07/11/25 12:53
Total/NA	Prep	3010A			66649	SA	EET ATL	07/09/25 14:49
Total/NA	Analysis	6010D		1	66912	DAB	EET ATL	07/10/25 12:26
Total/NA	Prep	3010A			66649	SA	EET ATL	07/09/25 14:49
Total/NA	Analysis	6010D		5	66948	DAB	EET ATL	07/10/25 14:03
Total Recoverable	Prep	3005A			66797	SA	EET ATL	07/10/25 08:26
Total Recoverable	Analysis	6020B		1	67014	MD	EET ATL	07/10/25 17:32
Total/NA	Analysis	2320B-2011		1	66852	AH	EET ATL	07/10/25 10:42

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-35913-1

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-26
Arkansas (DW)	State	FL00091	06-30-26
Florida	NELAP	E83018	11-11-25
Georgia	State	E83018 (FL)	06-30-26
Georgia (DW)	State	C055	06-30-26
Louisiana (DW)	State	LA039	12-31-25
Mississippi	State	MS00007	06-30-26
New Mexico	State	FL00091	06-30-26
North Carolina (DW)	State	12712	07-31-26
North Carolina (WW/SW)	State	699	12-31-25
Puerto Rico	State	FL00091	01-31-26
Tennessee	State	TN04930	06-30-26
Texas	NELAP	T104704571	02-28-26
USDA	US Federal Programs	P525-23-138-94710	05-18-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 7:27:33 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-36115-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-36115-1	BOW-PT-02	Water	07/09/25 08:32	07/09/25 12:32	Georgia
705-36115-2	BOW-PT-04	Water	07/09/25 08:26	07/09/25 12:32	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

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Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			
City: Kennesaw	TAT Requested (days): 2-day TAT			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433			
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100			
Project Name: Plant Bowen	Project #: GW6581H			
Site:	WO#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/9/25	0832	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/9/25	0826	G	WG	N	N	X	X	X	X	2	

705-36115 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250709**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	7/9/2025 1113	Geosyntec	[signature]	7/9/25 11:13	
2	[signature]	7/9/2025 11:45	Geosyntec	[signature]	7/9/25 11:48	Eurofins
3	[signature]	7/9/25 12:32		[signature]	7.7.25 1232	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: CO 0.2 # 2665

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340
Phone 770-457-8177 Fax 770-457-8188

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller David	Carrier Tracking No(s): N/A	COC No: 705-50244 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David Fuller@et eurofinsus com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 705-36115-1
Address: 481 Newburyport Avenue	Due Date Requested: 7/11/2025			
City: Altamonte Springs	TAT Requested (days): N/A			
State Zip: FL 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Bowen	Project #: 70504433			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28DChloride & Sulfate	Total Number of containers	Special Instructions/Note
			Preservation Code						
BOW-PT-02 (705-36115-1)	7/9/25	08 32 Eastern	G	Water			X	1	
BOW PT-04 (705-36115-2)	7/9/25	08 26 Eastern	G	Water			X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing Southeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
				DS	7/11/25 910	
	Relinquished by: Anna Neal	Date/Time: 7-10-25 1650	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.9 | 0.7

Ver 10/10/2024

12/10/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36115-1

Login Number: 36115
List Number: 1
Creator: Myndresku, Victor

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36115-1

Login Number: 36115
List Number: 2
Creator: Gemeinhardt, Alexandria

List Source: Eurofins Orlando
List Creation: 07/11/25 10:21 AM

Question	Answer	Comment
The cooler or samples do not appear to have been compromised or tampered with	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-36115-1

Revision 1
The report being provided is a revision of the original report sent on 7/11/2025. The report is being revised in order to add B qualifier flags to Sodium as needed to these samples and to include a narrative comment below about this qualifier flag.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/9/2025 12:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-67087 and analytical batch 705-67273 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Client Sample ID: BOW-PT-02

Date Collected: 07/09/25 08:32
Date Received: 07/09/25 12:32

Lab Sample ID: 705-36115-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		4.0	2.0	mg/L			07/11/25 10:52	10
Sulfate	320		10	5.0	mg/L			07/11/25 10:52	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	8.0		0.050	0.026	mg/L		07/11/25 09:35	07/11/25 16:35	1
Calcium	260		0.50	0.19	mg/L		07/11/25 09:35	07/11/25 16:51	5
Iron	ND		0.10	0.035	mg/L		07/11/25 09:35	07/11/25 16:35	1
Magnesium	41		0.10	0.036	mg/L		07/11/25 09:35	07/11/25 16:35	1
Potassium	8.3		0.50	0.32	mg/L		07/11/25 09:35	07/11/25 16:35	1
Sodium	40	B	1.0	0.039	mg/L		07/11/25 09:35	07/11/25 16:35	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00088	J	0.0050	0.00041	mg/L		07/11/25 12:04	07/11/25 18:09	1
Molybdenum	0.033		0.0050	0.00069	mg/L		07/11/25 12:04	07/11/25 18:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	180		3.0	3.0	mg/L			07/10/25 10:42	1
Total Alkalinity (SM 2320B-2011)	180		3.0	3.0	mg/L			07/10/25 10:42	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Client Sample ID: BOW-PT-04

Date Collected: 07/09/25 08:26
Date Received: 07/09/25 12:32

Lab Sample ID: 705-36115-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		4.0	2.0	mg/L			07/11/25 11:02	10
Sulfate	320		10	5.0	mg/L			07/11/25 11:02	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	8.7		0.050	0.026	mg/L		07/11/25 09:35	07/11/25 16:44	1
Calcium	230		0.50	0.19	mg/L		07/11/25 09:35	07/11/25 16:54	5
Iron	0.13		0.10	0.035	mg/L		07/11/25 09:35	07/11/25 16:44	1
Magnesium	42		0.10	0.036	mg/L		07/11/25 09:35	07/11/25 16:44	1
Potassium	9.0		0.50	0.32	mg/L		07/11/25 09:35	07/11/25 16:44	1
Sodium	85	B	1.0	0.039	mg/L		07/11/25 09:35	07/11/25 16:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0057		0.0050	0.00041	mg/L		07/11/25 12:04	07/11/25 18:26	1
Molybdenum	0.028		0.0050	0.00069	mg/L		07/11/25 12:04	07/11/25 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	260		3.0	3.0	mg/L			07/10/25 10:42	1
Total Alkalinity (SM 2320B-2011)	260		3.0	3.0	mg/L			07/10/25 10:42	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ORL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 670-163109/6
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.40	0.20	mg/L			07/11/25 09:43	1
Sulfate	ND		1.0	0.50	mg/L			07/11/25 09:43	1

Lab Sample ID: LCS 670-163109/4
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			4.00	3.95		mg/L		99	80 - 120		
Sulfate			10.0	9.72		mg/L		97	80 - 120		

Lab Sample ID: LCSD 670-163109/5
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			4.00	3.96		mg/L		99	80 - 120	0	15
Sulfate			10.0	9.76		mg/L		98	80 - 120	0	15

Lab Sample ID: 185-4691-B-1 MS
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	22		5.00	26.8	4	mg/L		96	80 - 120		
Sulfate	4.3		5.00	9.47		mg/L		103	80 - 120		

Lab Sample ID: 185-4691-B-1 MSD
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22		5.00	26.9	4	mg/L		97	80 - 120	0	15
Sulfate	4.3		5.00	9.54		mg/L		104	80 - 120	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-67087/1-A
Matrix: Water
Analysis Batch: 67273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/11/25 09:35	07/11/25 16:13	1
Calcium	ND		0.10	0.038	mg/L		07/11/25 09:35	07/11/25 16:13	1
Iron	ND		0.10	0.035	mg/L		07/11/25 09:35	07/11/25 16:13	1
Magnesium	ND		0.10	0.036	mg/L		07/11/25 09:35	07/11/25 16:13	1
Potassium	ND		0.50	0.32	mg/L		07/11/25 09:35	07/11/25 16:13	1
Sodium	0.162	J	1.0	0.039	mg/L		07/11/25 09:35	07/11/25 16:13	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-67087/2-A
Matrix: Water
Analysis Batch: 67273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.06		mg/L		106	80 - 120
Calcium	10.0	10.7		mg/L		107	80 - 120
Iron	10.0	10.9		mg/L		109	80 - 120
Magnesium	10.0	10.7		mg/L		107	80 - 120
Potassium	10.0	10.7		mg/L		107	80 - 120
Sodium	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: 705-35717-A-2-B MS
Matrix: Water
Analysis Batch: 67273

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	ND		1.00	1.07		mg/L		107	75 - 125
Calcium	44		10.0	54.7	4	mg/L		110	75 - 125
Iron	0.55		10.0	11.2		mg/L		106	75 - 125
Magnesium	2.5		10.0	13.0		mg/L		105	75 - 125
Potassium	2.3		10.0	13.1		mg/L		108	75 - 125
Sodium	1.1		10.0	11.8		mg/L		107	75 - 125

Lab Sample ID: 705-35717-A-2-C MSD
Matrix: Water
Analysis Batch: 67273

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	ND		1.00	1.08		mg/L		108	75 - 125	1	20
Calcium	44		10.0	55.2	4	mg/L		116	75 - 125	1	20
Iron	0.55		10.0	11.3		mg/L		108	75 - 125	2	20
Magnesium	2.5		10.0	13.1		mg/L		107	75 - 125	1	20
Potassium	2.3		10.0	13.3		mg/L		110	75 - 125	1	20
Sodium	1.1		10.0	12.1		mg/L		109	75 - 125	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-67173/1-A
Matrix: Water
Analysis Batch: 67293

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 67173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/11/25 12:04	07/11/25 18:03	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/11/25 12:04	07/11/25 18:03	1

Lab Sample ID: LCS 705-67173/2-A
Matrix: Water
Analysis Batch: 67293

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 67173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.100		mg/L		100	80 - 120
Molybdenum	0.100	0.0958		mg/L		96	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 705-36115-1 MS
Matrix: Water
Analysis Batch: 67293

Client Sample ID: BOW-PT-02
Prep Type: Total Recoverable
Prep Batch: 67173

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.00088	J	0.100	0.0998		mg/L		99	75 - 125
Molybdenum	0.033		0.100	0.134		mg/L		101	75 - 125

Lab Sample ID: 705-36115-1 MSD
Matrix: Water
Analysis Batch: 67293

Client Sample ID: BOW-PT-02
Prep Type: Total Recoverable
Prep Batch: 67173

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.00088	J	0.100	0.101		mg/L		100	75 - 125	1	20
Molybdenum	0.033		0.100	0.135		mg/L		101	75 - 125	0	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-66852/1
Matrix: Water
Analysis Batch: 66852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bicarbonate Alkalinity	125	125		mg/L		100	90 - 110
Total Alkalinity	125	125		mg/L		100	90 - 110

Lab Sample ID: 705-35257-B-1 DU
Matrix: Water
Analysis Batch: 66852

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity	83		82.2		mg/L		1	30
Total Alkalinity	83		82.2		mg/L		1	30

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

HPLC/IC

Analysis Batch: 163109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36115-1	BOW-PT-02	Total/NA	Water	9056A	
705-36115-2	BOW-PT-04	Total/NA	Water	9056A	
MB 670-163109/6	Method Blank	Total/NA	Water	9056A	
LCS 670-163109/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 670-163109/5	Lab Control Sample Dup	Total/NA	Water	9056A	
185-4691-B-1 MS	Matrix Spike	Total/NA	Water	9056A	
185-4691-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 67087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36115-1	BOW-PT-02	Total/NA	Water	3010A	
705-36115-2	BOW-PT-04	Total/NA	Water	3010A	
MB 705-67087/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-67087/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-35717-A-2-B MS	Matrix Spike	Total/NA	Water	3010A	
705-35717-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 67173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36115-1	BOW-PT-02	Total Recoverable	Water	3005A	
705-36115-2	BOW-PT-04	Total Recoverable	Water	3005A	
MB 705-67173/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-67173/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-36115-1 MS	BOW-PT-02	Total Recoverable	Water	3005A	
705-36115-1 MSD	BOW-PT-02	Total Recoverable	Water	3005A	

Analysis Batch: 67273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36115-1	BOW-PT-02	Total/NA	Water	6010D	67087
705-36115-1	BOW-PT-02	Total/NA	Water	6010D	67087
705-36115-2	BOW-PT-04	Total/NA	Water	6010D	67087
705-36115-2	BOW-PT-04	Total/NA	Water	6010D	67087
MB 705-67087/1-A	Method Blank	Total/NA	Water	6010D	67087
LCS 705-67087/2-A	Lab Control Sample	Total/NA	Water	6010D	67087
705-35717-A-2-B MS	Matrix Spike	Total/NA	Water	6010D	67087
705-35717-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	67087

Analysis Batch: 67293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36115-1	BOW-PT-02	Total Recoverable	Water	6020B	67173
705-36115-2	BOW-PT-04	Total Recoverable	Water	6020B	67173
MB 705-67173/1-A	Method Blank	Total Recoverable	Water	6020B	67173
LCS 705-67173/2-A	Lab Control Sample	Total Recoverable	Water	6020B	67173
705-36115-1 MS	BOW-PT-02	Total Recoverable	Water	6020B	67173
705-36115-1 MSD	BOW-PT-02	Total Recoverable	Water	6020B	67173

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

General Chemistry

Analysis Batch: 66852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36115-1	BOW-PT-02	Total/NA	Water	2320B-2011	
705-36115-2	BOW-PT-04	Total/NA	Water	2320B-2011	
LCS 705-66852/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-35257-B-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Client Sample ID: BOW-PT-02

Lab Sample ID: 705-36115-1

Date Collected: 07/09/25 08:32

Matrix: Water

Date Received: 07/09/25 12:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	163109	YGS	EET ORL	07/11/25 10:52
Total/NA	Prep	3010A			67087	SA	EET ATL	07/11/25 09:35
Total/NA	Analysis	6010D		1	67273	DAB	EET ATL	07/11/25 16:35
Total/NA	Prep	3010A			67087	SA	EET ATL	07/11/25 09:35
Total/NA	Analysis	6010D		5	67273	DAB	EET ATL	07/11/25 16:51
Total Recoverable	Prep	3005A			67173	TR	EET ATL	07/11/25 12:04
Total Recoverable	Analysis	6020B		1	67293	MD	EET ATL	07/11/25 18:09
Total/NA	Analysis	2320B-2011		1	66852	AH	EET ATL	07/10/25 10:42

Client Sample ID: BOW-PT-04

Lab Sample ID: 705-36115-2

Date Collected: 07/09/25 08:26

Matrix: Water

Date Received: 07/09/25 12:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	163109	YGS	EET ORL	07/11/25 11:02
Total/NA	Prep	3010A			67087	SA	EET ATL	07/11/25 09:35
Total/NA	Analysis	6010D		1	67273	DAB	EET ATL	07/11/25 16:44
Total/NA	Prep	3010A			67087	SA	EET ATL	07/11/25 09:35
Total/NA	Analysis	6010D		5	67273	DAB	EET ATL	07/11/25 16:54
Total Recoverable	Prep	3005A			67173	TR	EET ATL	07/11/25 12:04
Total Recoverable	Analysis	6020B		1	67293	MD	EET ATL	07/11/25 18:26
Total/NA	Analysis	2320B-2011		1	66852	AH	EET ATL	07/10/25 10:42

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36115-1

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-26
Arkansas (DW)	State	FL00091	06-30-26
Florida	NELAP	E83018	11-11-25
Georgia	State	E83018 (FL)	06-30-26
Georgia (DW)	State	C055	06-30-26
Louisiana (DW)	State	LA039	12-31-25
Mississippi	State	MS00007	06-30-26
New Mexico	State	FL00091	06-30-26
North Carolina (DW)	State	12712	07-31-26
North Carolina (WW/SW)	State	699	12-31-25
Puerto Rico	State	FL00091	01-31-26
Tennessee	State	TN04930	06-30-26
Texas	NELAP	T104704571	02-28-26
USDA	US Federal Programs	P525-23-138-94710	05-18-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 8:04:28 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-36328-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-36328-1	BOW-PT-02	Water	07/10/25 08:08	07/10/25 12:28	Georgia
705-36328-2	BOW-PT-04	Water	07/10/25 08:04	07/10/25 12:28	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Kennesaw	TAT Requested (days): 2-day TAT			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433			
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100			
Project Name: Plant Bowen	Project #: GW6581H			
Site:	WO#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/10/25	0808	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/10/25	0804	G	WG	N	N	X	X	X	X	2	

705-36328 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250710**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	7/10/2025 1022	Geosyntec	[signature]	7/10/2025 1022	Geosyntec
2	[signature]	7/10/2025 1146	Geosyntec	[signature]	7/10/25 11:46	Eurofins
3	[signature]	7/10/25 12:28		[signature]	7.10.25 1228	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.1 # 2665

Ver: 01/16/2019

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340
Phone 770-457-8177 Fax: 770-457-8188

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller David	Carrier Tracking No(s): N/A	COC No: 705-50253 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David Fuller@et.eurofinsus com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 705-36328-1
Address: 481 Newburyport Avenue	Due Date Requested: 7/14/2025			
City: Altamonte Springs	TAT Requested (days): N/A			
State Zip: FL, 32701				
Phone: 407-339-5984(Tel) 407 260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Bowen	Project #: 70504433			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28DChloride & Sulfate	Total Number of containers	Special Instructions/Note
			Preservation Code						
BOW-PT-02 (705-36328-1)	7/10/25	08 08 Eastern	G	Water			X	1	
BOW PT-04 (705-36328-2)	7/10/25	08 04 Eastern	G	Water			X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing Southeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Anna Neal	7-10 25 1050			7/11/25 9:10	
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
		1 8 / G

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36328-1

Login Number: 36328
List Number: 1
Creator: Tescum, Allyson

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36328-1

Login Number: 36328
List Number: 2
Creator: Gemeinhardt, Alexandria

List Source: Eurofins Orlando
List Creation: 07/11/25 10:21 AM

Question	Answer	Comment
The cooler or samples do not appear to have been compromised or tampered with	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 705-36328-1 — Eurofins Atlanta

Job Narrative
705-36328-1

Revision 1
The report being provided is a revision of the original report sent on 7/14/2025. The report is being revised in order to add B qualifier flags to Sodium as needed to these samples and to include a narrative comment below about this qualifier flag.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/10/2025 12:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-67367 and analytical batch 705-67624 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Client Sample ID: BOW-PT-02

Date Collected: 07/10/25 08:08
Date Received: 07/10/25 12:28

Lab Sample ID: 705-36328-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		4.0	2.0	mg/L			07/11/25 13:04	10
Sulfate	330		10	5.0	mg/L			07/11/25 13:04	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	8.1		0.050	0.026	mg/L		07/13/25 10:55	07/14/25 13:50	1
Calcium	270		0.50	0.19	mg/L		07/13/25 10:55	07/14/25 16:02	5
Iron	ND		0.10	0.035	mg/L		07/13/25 10:55	07/14/25 13:50	1
Magnesium	41		0.10	0.036	mg/L		07/13/25 10:55	07/14/25 13:50	1
Potassium	8.4		0.50	0.32	mg/L		07/13/25 10:55	07/14/25 13:50	1
Sodium	34	B	1.0	0.039	mg/L		07/13/25 10:55	07/14/25 13:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0028	J	0.0050	0.00041	mg/L		07/13/25 07:57	07/14/25 14:19	1
Molybdenum	0.041		0.0050	0.00069	mg/L		07/13/25 07:57	07/14/25 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity (SM 2320 B-2021)	160		10	10	mg/L			07/14/25 14:53	1
Bicarbonate Alkalinity (SM 2320 B-2021)	160		10	10	mg/L			07/14/25 14:53	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Client Sample ID: BOW-PT-04

Date Collected: 07/10/25 08:04
Date Received: 07/10/25 12:28

Lab Sample ID: 705-36328-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		4.0	2.0	mg/L			07/11/25 11:12	10
Sulfate	350		10	5.0	mg/L			07/11/25 11:12	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	8.4		0.050	0.026	mg/L		07/13/25 10:55	07/14/25 13:53	1
Calcium	230		0.50	0.19	mg/L		07/13/25 10:55	07/14/25 16:05	5
Iron	0.25		0.10	0.035	mg/L		07/13/25 10:55	07/14/25 13:53	1
Magnesium	40		0.10	0.036	mg/L		07/13/25 10:55	07/14/25 13:53	1
Potassium	8.8		0.50	0.32	mg/L		07/13/25 10:55	07/14/25 13:53	1
Sodium	82	B	1.0	0.039	mg/L		07/13/25 10:55	07/14/25 13:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0070		0.0050	0.00041	mg/L		07/13/25 07:57	07/14/25 14:22	1
Molybdenum	0.030		0.0050	0.00069	mg/L		07/13/25 07:57	07/14/25 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity (SM 2320 B-2021)	240		10	10	mg/L			07/14/25 15:03	1
Bicarbonate Alkalinity (SM 2320 B-2021)	240		10	10	mg/L			07/14/25 15:03	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ORL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320 B-2021	Alkalinity	SM	EET ORL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 670-163109/6
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.40	0.20	mg/L			07/11/25 09:43	1
Sulfate	ND		1.0	0.50	mg/L			07/11/25 09:43	1

Lab Sample ID: LCS 670-163109/4
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			4.00	3.95		mg/L		99	80 - 120		
Sulfate			10.0	9.72		mg/L		97	80 - 120		

Lab Sample ID: LCSD 670-163109/5
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			4.00	3.96		mg/L		99	80 - 120	0	15
Sulfate			10.0	9.76		mg/L		98	80 - 120	0	15

Lab Sample ID: 185-4691-B-1 MS
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	22		5.00	26.8	4	mg/L		96	80 - 120		
Sulfate	4.3		5.00	9.47		mg/L		103	80 - 120		

Lab Sample ID: 185-4691-B-1 MSD
Matrix: Water
Analysis Batch: 163109

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22		5.00	26.9	4	mg/L		97	80 - 120	0	15
Sulfate	4.3		5.00	9.54		mg/L		104	80 - 120	1	15

Lab Sample ID: MB 670-163113/6
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.40	0.20	mg/L			07/11/25 09:54	1
Sulfate	ND		1.0	0.50	mg/L			07/11/25 09:54	1

Lab Sample ID: LCS 670-163113/4
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			4.00	3.92		mg/L		98	80 - 120		
Sulfate			10.0	9.84		mg/L		98	80 - 120		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: LCSD 670-163113/5
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			4.00	3.92		mg/L		98	80 - 120	0	15
Sulfate			10.0	9.80		mg/L		98	80 - 120	0	15

Lab Sample ID: 705-35717-C-1 MS
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	0.67		5.00	5.58		mg/L		98	80 - 120		
Sulfate	3.7		5.00	8.68		mg/L		99	80 - 120		

Lab Sample ID: 705-35717-C-1 MSD
Matrix: Water
Analysis Batch: 163113

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.67		5.00	5.64		mg/L		99	80 - 120	1	15
Sulfate	3.7		5.00	8.76		mg/L		100	80 - 120	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-67367/1-A
Matrix: Water
Analysis Batch: 67624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/13/25 10:55	07/14/25 13:06	1
Calcium	ND		0.10	0.038	mg/L		07/13/25 10:55	07/14/25 13:06	1
Iron	ND		0.10	0.035	mg/L		07/13/25 10:55	07/14/25 13:06	1
Magnesium	ND		0.10	0.036	mg/L		07/13/25 10:55	07/14/25 13:06	1
Potassium	ND		0.50	0.32	mg/L		07/13/25 10:55	07/14/25 13:06	1
Sodium	0.131	J	1.0	0.039	mg/L		07/13/25 10:55	07/14/25 13:06	1

Lab Sample ID: LCS 705-67367/2-A
Matrix: Water
Analysis Batch: 67624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.03		mg/L		103	80 - 120		
Calcium			10.0	10.5		mg/L		105	80 - 120		
Iron			10.0	10.6		mg/L		106	80 - 120		
Magnesium			10.0	10.4		mg/L		104	80 - 120		
Potassium			10.0	10.5		mg/L		105	80 - 120		
Sodium			10.0	10.4		mg/L		104	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 705-36163-G-1-B MS
Matrix: Water
Analysis Batch: 67624

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.038	J	1.00	1.06		mg/L		102	75 - 125
Calcium	14		10.0	25.0		mg/L		105	75 - 125
Iron	1.2		10.0	11.6		mg/L		104	75 - 125
Magnesium	1.6		10.0	11.8		mg/L		102	75 - 125
Potassium	2.7		10.0	13.4		mg/L		107	75 - 125
Sodium	5.3		10.0	15.8		mg/L		105	75 - 125

Lab Sample ID: 705-36163-G-1-C MSD
Matrix: Water
Analysis Batch: 67624

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67367

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.038	J	1.00	1.05		mg/L		101	75 - 125	1	20
Calcium	14		10.0	24.8		mg/L		104	75 - 125	0	20
Iron	1.2		10.0	11.6		mg/L		104	75 - 125	0	20
Magnesium	1.6		10.0	11.9		mg/L		102	75 - 125	0	20
Potassium	2.7		10.0	13.4		mg/L		107	75 - 125	0	20
Sodium	5.3		10.0	15.7		mg/L		104	75 - 125	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-67400/1-A
Matrix: Water
Analysis Batch: 67665

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 67400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/13/25 07:57	07/14/25 14:01	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/13/25 07:57	07/14/25 14:01	1

Lab Sample ID: LCS 705-67400/2-A
Matrix: Water
Analysis Batch: 67665

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 67400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.107		mg/L		107	80 - 120
Molybdenum	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: 705-36548-C-2-B MS
Matrix: Water
Analysis Batch: 67665

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 67400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.0042	J	0.100	0.107		mg/L		103	75 - 125
Molybdenum	ND		0.100	0.104		mg/L		104	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 705-36548-C-2-C MSD
Matrix: Water
Analysis Batch: 67665

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 67400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.0042	J	0.100	0.108		mg/L		104	75 - 125	1	20
Molybdenum	ND		0.100	0.105		mg/L		105	75 - 125	0	20

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 670-163526/4
Matrix: Water
Analysis Batch: 163526

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	ND		10	10	mg/L			07/14/25 14:00	1
Bicarbonate Alkalinity	ND		10	10	mg/L			07/14/25 14:00	1

Lab Sample ID: LCS 670-163526/3
Matrix: Water
Analysis Batch: 163526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	100	97.1		mg/L		97	90 - 110

Lab Sample ID: 670-66323-G-2 DU
Matrix: Water
Analysis Batch: 163526

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity	300		303		mg/L		0.2	
Bicarbonate Alkalinity	300		303		mg/L		0.2	

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

HPLC/IC

Analysis Batch: 163109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-2	BOW-PT-04	Total/NA	Water	9056A	
MB 670-163109/6	Method Blank	Total/NA	Water	9056A	
LCS 670-163109/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 670-163109/5	Lab Control Sample Dup	Total/NA	Water	9056A	
185-4691-B-1 MS	Matrix Spike	Total/NA	Water	9056A	
185-4691-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Analysis Batch: 163113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-1	BOW-PT-02	Total/NA	Water	9056A	
MB 670-163113/6	Method Blank	Total/NA	Water	9056A	
LCS 670-163113/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 670-163113/5	Lab Control Sample Dup	Total/NA	Water	9056A	
705-35717-C-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-35717-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 67367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-1	BOW-PT-02	Total/NA	Water	3010A	
705-36328-2	BOW-PT-04	Total/NA	Water	3010A	
MB 705-67367/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-67367/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-36163-G-1-B MS	Matrix Spike	Total/NA	Water	3010A	
705-36163-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 67400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-1	BOW-PT-02	Total Recoverable	Water	3005A	
705-36328-2	BOW-PT-04	Total Recoverable	Water	3005A	
MB 705-67400/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-67400/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-36548-C-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
705-36548-C-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 67624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-1	BOW-PT-02	Total/NA	Water	6010D	67367
705-36328-1	BOW-PT-02	Total/NA	Water	6010D	67367
705-36328-2	BOW-PT-04	Total/NA	Water	6010D	67367
705-36328-2	BOW-PT-04	Total/NA	Water	6010D	67367
MB 705-67367/1-A	Method Blank	Total/NA	Water	6010D	67367
LCS 705-67367/2-A	Lab Control Sample	Total/NA	Water	6010D	67367
705-36163-G-1-B MS	Matrix Spike	Total/NA	Water	6010D	67367
705-36163-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	67367

Analysis Batch: 67665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-1	BOW-PT-02	Total Recoverable	Water	6020B	67400
705-36328-2	BOW-PT-04	Total Recoverable	Water	6020B	67400

Metals (Continued)

Analysis Batch: 67665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-67400/1-A	Method Blank	Total Recoverable	Water	6020B	67400
LCS 705-67400/2-A	Lab Control Sample	Total Recoverable	Water	6020B	67400
705-36548-C-2-B MS	Matrix Spike	Total Recoverable	Water	6020B	67400
705-36548-C-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	67400

General Chemistry

Analysis Batch: 163526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36328-1	BOW-PT-02	Total/NA	Water	2320 B-2021	
705-36328-2	BOW-PT-04	Total/NA	Water	2320 B-2021	
MB 670-163526/4	Method Blank	Total/NA	Water	2320 B-2021	
LCS 670-163526/3	Lab Control Sample	Total/NA	Water	2320 B-2021	
670-66323-G-2 DU	Duplicate	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Client Sample ID: BOW-PT-02

Lab Sample ID: 705-36328-1

Date Collected: 07/10/25 08:08

Matrix: Water

Date Received: 07/10/25 12:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	163113	YGS	EET ORL	07/11/25 13:04
Total/NA	Prep	3010A			67367	MT	EET ATL	07/13/25 10:55
Total/NA	Analysis	6010D		1	67624	DS	EET ATL	07/14/25 13:50
Total/NA	Prep	3010A			67367	MT	EET ATL	07/13/25 10:55
Total/NA	Analysis	6010D		5	67624	DS	EET ATL	07/14/25 16:02
Total Recoverable	Prep	3005A			67400	SA	EET ATL	07/13/25 07:57
Total Recoverable	Analysis	6020B		1	67665	IF	EET ATL	07/14/25 14:19
Total/NA	Analysis	2320 B-2021		1	163526	SM	EET ORL	07/14/25 14:53

Client Sample ID: BOW-PT-04

Lab Sample ID: 705-36328-2

Date Collected: 07/10/25 08:04

Matrix: Water

Date Received: 07/10/25 12:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	163109	YGS	EET ORL	07/11/25 11:12
Total/NA	Prep	3010A			67367	MT	EET ATL	07/13/25 10:55
Total/NA	Analysis	6010D		1	67624	DS	EET ATL	07/14/25 13:53
Total/NA	Prep	3010A			67367	MT	EET ATL	07/13/25 10:55
Total/NA	Analysis	6010D		5	67624	DS	EET ATL	07/14/25 16:05
Total Recoverable	Prep	3005A			67400	SA	EET ATL	07/13/25 07:57
Total Recoverable	Analysis	6020B		1	67665	IF	EET ATL	07/14/25 14:22
Total/NA	Analysis	2320 B-2021		1	163526	SM	EET ORL	07/14/25 15:03

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36328-1

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-26
Arkansas (DW)	State	FL00091	06-30-26
Florida	NELAP	E83018	11-11-25
Georgia	State	E83018 (FL)	06-30-26
Georgia (DW)	State	C055	06-30-26
Louisiana (DW)	State	LA039	12-31-25
Mississippi	State	MS00007	06-30-26
New Mexico	State	FL00091	06-30-26
North Carolina (DW)	State	12712	07-31-26
North Carolina (WW/SW)	State	699	12-31-25
Puerto Rico	State	FL00091	01-31-26
Tennessee	State	TN04930	06-30-26
Texas	NELAP	T104704571	02-28-26
USDA	US Federal Programs	P525-23-138-94710	05-18-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 8:28:50 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-36718-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-36718-1	BOW-PT-02-WG-202507140935	Water	07/14/25 09:35	07/15/25 12:08	Georgia
705-36718-2	BOW-PT-02-WG-202507141613	Water	07/14/25 16:13	07/15/25 12:08	Georgia
705-36718-3	BOW-PT-04-WG-202507140835	Water	07/14/25 08:35	07/15/25 12:08	Georgia
705-36718-4	BOW-PT-04-WG-202507141647	Water	07/14/25 16:47	07/15/25 12:08	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			
City: Kennesaw	TAT Requested (days): 2-day TAT			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433			
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100			
Project Name: Plant Bowen	Project #: GW6581H			
Site:	WO#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/14/25	0935	G	WG	N	N	X	X	X	X	2	
BOW-PT-02	7/14/25	1613	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/14/25	0835	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/14/25	1647	G	WG	N	N	X	X	X	X	2	

705-36718 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250714**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Amanda P	7/15/2025 1026 (45852)	Geosyntec	Anne Rowan	7/15/2025 1026	Geosyntec
2	Anne Rowan	7/15/2025 1130	Geosyntec		7/15/25 11:39	Eurofins
3		7/15/25 12:08	Eurofins		7.15.25 12:08	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: CO 2.1 # 9665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36718-1

Login Number: 36718
List Number: 1
Creator: Smith, Brittany

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-36718-1

Revision 1
The report being provided is a revision of the original report sent on 7/17/2025. The report is being revised in order to include a narrative comment below about the B qualifier flags for Sodium.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/15/2025 12:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-67757 and analytical batch 705-68480 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Client Sample ID: BOW-PT-02-WG-202507140935

Lab Sample ID: 705-36718-1

Date Collected: 07/14/25 09:35

Matrix: Water

Date Received: 07/15/25 12:08

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		100	98	mg/L			07/16/25 16:18	100
Sulfate	**240**		100	77	mg/L			07/16/25 16:18	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**8.5**		0.050	0.026	mg/L		07/16/25 07:49	07/17/25 15:04	1
Calcium	**290**		1.0	0.38	mg/L		07/16/25 07:49	07/17/25 15:13	10
Iron	ND		0.10	0.035	mg/L		07/16/25 07:49	07/17/25 09:14	1
Magnesium	**43**		0.10	0.036	mg/L		07/16/25 07:49	07/17/25 09:14	1
Potassium	**8.4**		0.50	0.32	mg/L		07/16/25 07:49	07/17/25 09:14	1
Sodium	**28**	**B**	1.0	0.039	mg/L		07/16/25 07:49	07/17/25 09:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.0024**	**J**	0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:40	1
Molybdenum	**0.040**		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	**160**		3.0	3.0	mg/L			07/16/25 10:30	1
Total Alkalinity (SM 2320B-2011)	**160**		3.0	3.0	mg/L			07/16/25 10:30	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Client Sample ID: BOW-PT-02-WG-202507141613

Date Collected: 07/14/25 16:13
Date Received: 07/15/25 12:08

Lab Sample ID: 705-36718-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		100	98	mg/L			07/16/25 17:15	100
Sulfate	130		100	77	mg/L			07/16/25 17:15	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.9		0.050	0.026	mg/L		07/16/25 07:49	07/17/25 15:07	1
Calcium	150		0.10	0.038	mg/L		07/16/25 07:49	07/17/25 15:07	1
Iron	ND		0.10	0.035	mg/L		07/16/25 07:49	07/17/25 09:17	1
Magnesium	24		0.10	0.036	mg/L		07/16/25 07:49	07/17/25 09:17	1
Potassium	6.6		0.50	0.32	mg/L		07/16/25 07:49	07/17/25 09:17	1
Sodium	68	B	1.0	0.039	mg/L		07/16/25 07:49	07/17/25 09:17	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0012	J	0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:42	1
Molybdenum	0.051		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/16/25 10:30	1
Total Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/16/25 10:30	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Client Sample ID: BOW-PT-04-WG-202507140835

Lab Sample ID: 705-36718-3

Date Collected: 07/14/25 08:35

Matrix: Water

Date Received: 07/15/25 12:08

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		100	98	mg/L			07/16/25 17:26	100
Sulfate	220		100	77	mg/L			07/16/25 17:26	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	9.0		0.050	0.026	mg/L		07/16/25 07:49	07/17/25 15:10	1
Calcium	240		1.0	0.38	mg/L		07/16/25 07:49	07/17/25 15:18	10
Iron	0.54		0.10	0.035	mg/L		07/16/25 07:49	07/17/25 09:20	1
Magnesium	43		0.10	0.036	mg/L		07/16/25 07:49	07/17/25 09:20	1
Potassium	8.9		0.50	0.32	mg/L		07/16/25 07:49	07/17/25 09:20	1
Sodium	67	B	1.0	0.039	mg/L		07/16/25 07:49	07/17/25 09:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0085		0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:45	1
Molybdenum	0.024		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	250		3.0	3.0	mg/L			07/16/25 10:30	1
Total Alkalinity (SM 2320B-2011)	250		3.0	3.0	mg/L			07/16/25 10:30	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Client Sample ID: BOW-PT-04-WG-202507141647

Lab Sample ID: 705-36718-4

Date Collected: 07/14/25 16:47

Matrix: Water

Date Received: 07/15/25 12:08

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		100	98	mg/L			07/16/25 17:38	100
Sulfate	130		100	77	mg/L			07/16/25 17:38	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.2		0.050	0.026	mg/L		07/16/25 07:49	07/17/25 15:21	1
Calcium	130		0.10	0.038	mg/L		07/16/25 07:49	07/17/25 15:21	1
Iron	0.24		0.10	0.035	mg/L		07/16/25 07:49	07/17/25 09:29	1
Magnesium	25		0.10	0.036	mg/L		07/16/25 07:49	07/17/25 09:29	1
Potassium	6.4		0.50	0.32	mg/L		07/16/25 07:49	07/17/25 09:29	1
Sodium	75	B	1.0	0.039	mg/L		07/16/25 07:49	07/17/25 09:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0035	J	0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:47	1
Molybdenum	0.042		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	310		3.0	3.0	mg/L			07/16/25 10:30	1
Total Alkalinity (SM 2320B-2011)	310		3.0	3.0	mg/L			07/16/25 10:30	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68095/3
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/16/25 12:08	1
Sulfate	ND		1.0	0.77	mg/L			07/16/25 12:08	1

Lab Sample ID: LCS 705-68095/4
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.17		mg/L		92	90 - 110
Sulfate	25.0	23.0		mg/L		92	90 - 110

Lab Sample ID: 705-36810-A-2 MS
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.9		10.0	14.5		mg/L		96	90 - 110
Sulfate	ND	F1	25.0	21.1	F1	mg/L		84	90 - 110

Lab Sample ID: 705-36810-A-2 MSD
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.9		10.0	14.6		mg/L		97	90 - 110	0	15
Sulfate	ND	F1	25.0	22.9		mg/L		92	90 - 110	8	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-67757/1-A
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/15/25 09:48	07/15/25 19:39	1
Calcium	ND		0.10	0.038	mg/L		07/15/25 09:48	07/15/25 19:39	1
Iron	ND		0.10	0.035	mg/L		07/15/25 09:48	07/15/25 19:39	1
Magnesium	ND		0.10	0.036	mg/L		07/15/25 09:48	07/15/25 19:39	1
Potassium	ND		0.50	0.32	mg/L		07/15/25 09:48	07/15/25 19:39	1
Sodium	0.264	J	1.0	0.039	mg/L		07/15/25 09:48	07/15/25 19:39	1

Lab Sample ID: LCS 705-67757/2-A
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.00		mg/L		100	80 - 120
Calcium	10.0	10.2		mg/L		102	80 - 120
Iron	10.0	10.7		mg/L		107	80 - 120
Magnesium	10.0	9.98		mg/L		100	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-67757/2-A
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67757

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium			10.0	10.4		mg/L		104	80 - 120		
Sodium			10.0	10.8		mg/L		108	80 - 120		

Lab Sample ID: 705-36669-C-4-B MS
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67757

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	ND		1.00	0.985		mg/L		98	75 - 125
Calcium	ND		10.0	9.95		mg/L		100	75 - 125
Iron	ND		10.0	10.6		mg/L		106	75 - 125
Magnesium	ND		10.0	9.76		mg/L		98	75 - 125
Potassium	ND		10.0	10.1		mg/L		101	75 - 125
Sodium	0.24	J B	10.0	10.5		mg/L		103	75 - 125

Lab Sample ID: 705-36669-C-4-C MSD
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67757

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	ND		1.00	0.990		mg/L		99	75 - 125	1	20
Calcium	ND		10.0	10.0		mg/L		100	75 - 125	1	20
Iron	ND		10.0	10.6		mg/L		106	75 - 125	1	20
Magnesium	ND		10.0	9.83		mg/L		98	75 - 125	1	20
Potassium	ND		10.0	10.2		mg/L		102	75 - 125	1	20
Sodium	0.24	J B	10.0	10.6		mg/L		103	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-67857/1-A
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:03	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:03	1

Lab Sample ID: LCS 705-67857/2-A
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			0.100	0.0984		mg/L		98	80 - 120		
Molybdenum			0.100	0.106		mg/L		106	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-265513-C-3-B MS
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	ND		0.100	0.0992		mg/L		99	75 - 125
Molybdenum	ND		0.100	0.107		mg/L		107	75 - 125

Lab Sample ID: 680-265513-C-3-C MSD
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		0.100	0.0966		mg/L		97	75 - 125	3	20
Molybdenum	ND		0.100	0.105		mg/L		105	75 - 125	2	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68052/1
Matrix: Water
Analysis Batch: 68052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bicarbonate Alkalinity	125	123		mg/L		99	90 - 110
Total Alkalinity	125	123		mg/L		99	90 - 110

Lab Sample ID: 705-36477-B-1 DU
Matrix: Water
Analysis Batch: 68052

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity	190		177		mg/L		5	30
Total Alkalinity	190		177		mg/L		5	30

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

HPLC/IC

Analysis Batch: 68095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total/NA	Water	9056A	
705-36718-2	BOW-PT-02-WG-202507141613	Total/NA	Water	9056A	
705-36718-3	BOW-PT-04-WG-202507140835	Total/NA	Water	9056A	
705-36718-4	BOW-PT-04-WG-202507141647	Total/NA	Water	9056A	
MB 705-68095/3	Method Blank	Total/NA	Water	9056A	
LCS 705-68095/4	Lab Control Sample	Total/NA	Water	9056A	
705-36810-A-2 MS	Matrix Spike	Total/NA	Water	9056A	
705-36810-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 67757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total/NA	Water	3010A	
705-36718-2	BOW-PT-02-WG-202507141613	Total/NA	Water	3010A	
705-36718-3	BOW-PT-04-WG-202507140835	Total/NA	Water	3010A	
705-36718-4	BOW-PT-04-WG-202507141647	Total/NA	Water	3010A	
MB 705-67757/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-67757/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-36669-C-4-B MS	Matrix Spike	Total/NA	Water	3010A	
705-36669-C-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 67857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total Recoverable	Water	3005A	
705-36718-2	BOW-PT-02-WG-202507141613	Total Recoverable	Water	3005A	
705-36718-3	BOW-PT-04-WG-202507140835	Total Recoverable	Water	3005A	
705-36718-4	BOW-PT-04-WG-202507141647	Total Recoverable	Water	3005A	
MB 705-67857/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-67857/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-265513-C-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-265513-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 68402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-67757/1-A	Method Blank	Total/NA	Water	6010D	67757
LCS 705-67757/2-A	Lab Control Sample	Total/NA	Water	6010D	67757
705-36669-C-4-B MS	Matrix Spike	Total/NA	Water	6010D	67757
705-36669-C-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	67757

Analysis Batch: 68480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total/NA	Water	6010D	67757
705-36718-2	BOW-PT-02-WG-202507141613	Total/NA	Water	6010D	67757
705-36718-3	BOW-PT-04-WG-202507140835	Total/NA	Water	6010D	67757
705-36718-4	BOW-PT-04-WG-202507141647	Total/NA	Water	6010D	67757

Analysis Batch: 68487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total Recoverable	Water	6020B	67857
705-36718-2	BOW-PT-02-WG-202507141613	Total Recoverable	Water	6020B	67857

Metals (Continued)

Analysis Batch: 68487 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-3	BOW-PT-04-WG-202507140835	Total Recoverable	Water	6020B	67857
705-36718-4	BOW-PT-04-WG-202507141647	Total Recoverable	Water	6020B	67857
MB 705-67857/1-A	Method Blank	Total Recoverable	Water	6020B	67857
LCS 705-67857/2-A	Lab Control Sample	Total Recoverable	Water	6020B	67857
680-265513-C-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	67857
680-265513-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	67857

Analysis Batch: 68529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total/NA	Water	6010D	67757
705-36718-1	BOW-PT-02-WG-202507140935	Total/NA	Water	6010D	67757
705-36718-2	BOW-PT-02-WG-202507141613	Total/NA	Water	6010D	67757
705-36718-3	BOW-PT-04-WG-202507140835	Total/NA	Water	6010D	67757
705-36718-3	BOW-PT-04-WG-202507140835	Total/NA	Water	6010D	67757
705-36718-4	BOW-PT-04-WG-202507141647	Total/NA	Water	6010D	67757

General Chemistry

Analysis Batch: 68052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36718-1	BOW-PT-02-WG-202507140935	Total/NA	Water	2320B-2011	
705-36718-2	BOW-PT-02-WG-202507141613	Total/NA	Water	2320B-2011	
705-36718-3	BOW-PT-04-WG-202507140835	Total/NA	Water	2320B-2011	
705-36718-4	BOW-PT-04-WG-202507141647	Total/NA	Water	2320B-2011	
LCS 705-68052/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-36477-B-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Client Sample ID: BOW-PT-02-WG-202507140935
Lab Sample ID: 705-36718-1
Date Collected: 07/14/25 09:35
Matrix: Water
Date Received: 07/15/25 12:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 16:18
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68480	KB	EET ATL	07/17/25 09:14
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68529	DS	EET ATL	07/17/25 15:04
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		10	68529	DS	EET ATL	07/17/25 15:13
Total Recoverable	Prep	3005A			67857	SA	EET ATL	07/16/25 07:25
Total Recoverable	Analysis	6020B		1	68487	IF	EET ATL	07/16/25 21:40
Total/NA	Analysis	2320B-2011		1	68052	AH	EET ATL	07/16/25 10:30

Client Sample ID: BOW-PT-02-WG-202507141613
Lab Sample ID: 705-36718-2
Date Collected: 07/14/25 16:13
Matrix: Water
Date Received: 07/15/25 12:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 17:15
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68480	KB	EET ATL	07/17/25 09:17
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68529	DS	EET ATL	07/17/25 15:07
Total Recoverable	Prep	3005A			67857	SA	EET ATL	07/16/25 07:25
Total Recoverable	Analysis	6020B		1	68487	IF	EET ATL	07/16/25 21:42
Total/NA	Analysis	2320B-2011		1	68052	AH	EET ATL	07/16/25 10:30

Client Sample ID: BOW-PT-04-WG-202507140835
Lab Sample ID: 705-36718-3
Date Collected: 07/14/25 08:35
Matrix: Water
Date Received: 07/15/25 12:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 17:26
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68480	KB	EET ATL	07/17/25 09:20
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68529	DS	EET ATL	07/17/25 15:10
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		10	68529	DS	EET ATL	07/17/25 15:18
Total Recoverable	Prep	3005A			67857	SA	EET ATL	07/16/25 07:25
Total Recoverable	Analysis	6020B		1	68487	IF	EET ATL	07/16/25 21:45
Total/NA	Analysis	2320B-2011		1	68052	AH	EET ATL	07/16/25 10:30

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36718-1

Client Sample ID: BOW-PT-04-WG-202507141647

Date Collected: 07/14/25 16:47
Date Received: 07/15/25 12:08

Lab Sample ID: 705-36718-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 17:38
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68480	KB	EET ATL	07/17/25 09:29
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68529	DS	EET ATL	07/17/25 15:21
Total Recoverable	Prep	3005A			67857	SA	EET ATL	07/16/25 07:25
Total Recoverable	Analysis	6020B		1	68487	IF	EET ATL	07/16/25 21:47
Total/NA	Analysis	2320B-2011		1	68052	AH	EET ATL	07/16/25 10:30

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 705-36718-1
Project/Site: Plant Bowen

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 8:46:56 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-36726-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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12/10/2025 8:46:56 AM
Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-36726-1	BOW-PT-02	Water	07/15/25 08:24	07/15/25 12:08	Georgia
705-36726-2	BOW-PT-04	Water	07/15/25 08:22	07/15/25 12:08	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:
City: Kennesaw	TAT Requested (days): 2-day TAT
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100
Project Name: Plant Bowen	Project #: GW6581H
Site:	WO#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/15/25	0824	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/15/25	0822	G	WG	N	N	X	X	X	X	2	

705-36726 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250715**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/15/2025 1026		Anne Rowan	7/15/2025 1026	Geosyntec
Anne Rowan	7/15/2025 1130	Geosyntec	[signature]	7/15/25 11:30	Eurofins
[signature]	7/15/25 12:08	Eurofins	[signature]	7.15.25 1208	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Co 2.1 #2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36726-1

Login Number: 36726
List Number: 1
Creator: Smith, Brittany

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 705-36726-1 — Eurofins Atlanta

Job Narrative
705-36726-1

Revision 1
The report being provided is a revision of the original report sent on 7/17/2025. The report is being revised in order to add B qualifier flags to Sodium as needed to these samples and to include a narrative comment below about this qualifier flag.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/15/2025 12:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-67757 and analytical batch 705-68480 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Client Sample ID: BOW-PT-02

Date Collected: 07/15/25 08:24
Date Received: 07/15/25 12:08

Lab Sample ID: 705-36726-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		100	98	mg/L			07/16/25 17:49	100
Sulfate	240		100	77	mg/L			07/16/25 17:49	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	6.5		0.050	0.026	mg/L		07/16/25 07:49	07/17/25 15:24	1
Calcium	200		0.10	0.038	mg/L		07/16/25 07:49	07/17/25 15:24	1
Iron	ND		0.10	0.035	mg/L		07/16/25 07:49	07/17/25 09:32	1
Magnesium	31		0.10	0.036	mg/L		07/16/25 07:49	07/17/25 09:32	1
Potassium	7.2		0.50	0.32	mg/L		07/16/25 07:49	07/17/25 09:32	1
Sodium	48	B	1.0	0.039	mg/L		07/16/25 07:49	07/17/25 09:32	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0046	J	0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:49	1
Molybdenum	0.050		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	240		3.0	3.0	mg/L			07/16/25 10:30	1
Total Alkalinity (SM 2320B-2011)	240		3.0	3.0	mg/L			07/16/25 10:30	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Client Sample ID: BOW-PT-04

Date Collected: 07/15/25 08:22
Date Received: 07/15/25 12:08

Lab Sample ID: 705-36726-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		100	98	mg/L			07/16/25 18:00	100
Sulfate	130		100	77	mg/L			07/16/25 18:00	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.9		0.050	0.026	mg/L		07/16/25 07:49	07/17/25 15:27	1
Calcium	140		0.10	0.038	mg/L		07/16/25 07:49	07/17/25 15:27	1
Iron	0.32		0.10	0.035	mg/L		07/16/25 07:49	07/17/25 09:35	1
Magnesium	28		0.10	0.036	mg/L		07/16/25 07:49	07/17/25 09:35	1
Potassium	6.9		0.50	0.32	mg/L		07/16/25 07:49	07/17/25 09:35	1
Sodium	73	B	1.0	0.039	mg/L		07/16/25 07:49	07/17/25 09:35	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0041	J	0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:52	1
Molybdenum	0.040		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/16/25 10:30	1
Total Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/16/25 10:30	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68095/3
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/16/25 12:08	1
Sulfate	ND		1.0	0.77	mg/L			07/16/25 12:08	1

Lab Sample ID: LCS 705-68095/4
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.17		mg/L		92	90 - 110
Sulfate	25.0	23.0		mg/L		92	90 - 110

Lab Sample ID: 705-36810-A-2 MS
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.9		10.0	14.5		mg/L		96	90 - 110
Sulfate	ND	F1	25.0	21.1	F1	mg/L		84	90 - 110

Lab Sample ID: 705-36810-A-2 MSD
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.9		10.0	14.6		mg/L		97	90 - 110	0	15
Sulfate	ND	F1	25.0	22.9		mg/L		92	90 - 110	8	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-67757/1-A
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/15/25 09:48	07/15/25 19:39	1
Calcium	ND		0.10	0.038	mg/L		07/15/25 09:48	07/15/25 19:39	1
Iron	ND		0.10	0.035	mg/L		07/15/25 09:48	07/15/25 19:39	1
Magnesium	ND		0.10	0.036	mg/L		07/15/25 09:48	07/15/25 19:39	1
Potassium	ND		0.50	0.32	mg/L		07/15/25 09:48	07/15/25 19:39	1
Sodium	0.264	J	1.0	0.039	mg/L		07/15/25 09:48	07/15/25 19:39	1

Lab Sample ID: LCS 705-67757/2-A
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.00		mg/L		100	80 - 120
Calcium	10.0	10.2		mg/L		102	80 - 120
Iron	10.0	10.7		mg/L		107	80 - 120
Magnesium	10.0	9.98		mg/L		100	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-67757/2-A
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67757

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium			10.0	10.4		mg/L		104	80 - 120		
Sodium			10.0	10.8		mg/L		108	80 - 120		

Lab Sample ID: 705-36669-C-4-B MS
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67757

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	ND		1.00	0.985		mg/L		98	75 - 125
Calcium	ND		10.0	9.95		mg/L		100	75 - 125
Iron	ND		10.0	10.6		mg/L		106	75 - 125
Magnesium	ND		10.0	9.76		mg/L		98	75 - 125
Potassium	ND		10.0	10.1		mg/L		101	75 - 125
Sodium	0.24	J B	10.0	10.5		mg/L		103	75 - 125

Lab Sample ID: 705-36669-C-4-C MSD
Matrix: Water
Analysis Batch: 68402

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67757

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	ND		1.00	0.990		mg/L		99	75 - 125	1	20
Calcium	ND		10.0	10.0		mg/L		100	75 - 125	1	20
Iron	ND		10.0	10.6		mg/L		106	75 - 125	1	20
Magnesium	ND		10.0	9.83		mg/L		98	75 - 125	1	20
Potassium	ND		10.0	10.2		mg/L		102	75 - 125	1	20
Sodium	0.24	J B	10.0	10.6		mg/L		103	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-67857/1-A
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/16/25 07:25	07/16/25 21:03	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/16/25 07:25	07/16/25 21:03	1

Lab Sample ID: LCS 705-67857/2-A
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			0.100	0.0984		mg/L		98	80 - 120		
Molybdenum			0.100	0.106		mg/L		106	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-265513-C-3-B MS
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	ND		0.100	0.0992		mg/L		99	75 - 125
Molybdenum	ND		0.100	0.107		mg/L		107	75 - 125

Lab Sample ID: 680-265513-C-3-C MSD
Matrix: Water
Analysis Batch: 68487

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 67857

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		0.100	0.0966		mg/L		97	75 - 125	3	20
Molybdenum	ND		0.100	0.105		mg/L		105	75 - 125	2	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68052/1
Matrix: Water
Analysis Batch: 68052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bicarbonate Alkalinity	125	123		mg/L		99	90 - 110
Total Alkalinity	125	123		mg/L		99	90 - 110

Lab Sample ID: 705-36477-B-1 DU
Matrix: Water
Analysis Batch: 68052

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity	190		177		mg/L		5	30
Total Alkalinity	190		177		mg/L		5	30

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

HPLC/IC

Analysis Batch: 68095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total/NA	Water	9056A	
705-36726-2	BOW-PT-04	Total/NA	Water	9056A	
MB 705-68095/3	Method Blank	Total/NA	Water	9056A	
LCS 705-68095/4	Lab Control Sample	Total/NA	Water	9056A	
705-36810-A-2 MS	Matrix Spike	Total/NA	Water	9056A	
705-36810-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 67757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total/NA	Water	3010A	
705-36726-2	BOW-PT-04	Total/NA	Water	3010A	
MB 705-67757/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-67757/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-36669-C-4-B MS	Matrix Spike	Total/NA	Water	3010A	
705-36669-C-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 67857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total Recoverable	Water	3005A	
705-36726-2	BOW-PT-04	Total Recoverable	Water	3005A	
MB 705-67857/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-67857/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-265513-C-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-265513-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 68402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-67757/1-A	Method Blank	Total/NA	Water	6010D	67757
LCS 705-67757/2-A	Lab Control Sample	Total/NA	Water	6010D	67757
705-36669-C-4-B MS	Matrix Spike	Total/NA	Water	6010D	67757
705-36669-C-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	67757

Analysis Batch: 68480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total/NA	Water	6010D	67757
705-36726-2	BOW-PT-04	Total/NA	Water	6010D	67757

Analysis Batch: 68487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total Recoverable	Water	6020B	67857
705-36726-2	BOW-PT-04	Total Recoverable	Water	6020B	67857
MB 705-67857/1-A	Method Blank	Total Recoverable	Water	6020B	67857
LCS 705-67857/2-A	Lab Control Sample	Total Recoverable	Water	6020B	67857
680-265513-C-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	67857
680-265513-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	67857

Analysis Batch: 68529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total/NA	Water	6010D	67757

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Metals (Continued)

Analysis Batch: 68529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-2	BOW-PT-04	Total/NA	Water	6010D	67757

General Chemistry

Analysis Batch: 68052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36726-1	BOW-PT-02	Total/NA	Water	2320B-2011	
705-36726-2	BOW-PT-04	Total/NA	Water	2320B-2011	
LCS 705-68052/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-36477-B-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Client Sample ID: BOW-PT-02

Lab Sample ID: 705-36726-1

Date Collected: 07/15/25 08:24

Matrix: Water

Date Received: 07/15/25 12:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 17:49
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68480	KB	EET ATL	07/17/25 09:32
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68529	DS	EET ATL	07/17/25 15:24
Total Recoverable	Prep	3005A			67857	SA	EET ATL	07/16/25 07:25
Total Recoverable	Analysis	6020B		1	68487	IF	EET ATL	07/16/25 21:49
Total/NA	Analysis	2320B-2011		1	68052	AH	EET ATL	07/16/25 10:30

Client Sample ID: BOW-PT-04

Lab Sample ID: 705-36726-2

Date Collected: 07/15/25 08:22

Matrix: Water

Date Received: 07/15/25 12:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 18:00
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68480	KB	EET ATL	07/17/25 09:35
Total/NA	Prep	3010A			67757	SA	EET ATL	07/16/25 07:49
Total/NA	Analysis	6010D		1	68529	DS	EET ATL	07/17/25 15:27
Total Recoverable	Prep	3005A			67857	SA	EET ATL	07/16/25 07:25
Total Recoverable	Analysis	6020B		1	68487	IF	EET ATL	07/16/25 21:52
Total/NA	Analysis	2320B-2011		1	68052	AH	EET ATL	07/16/25 10:30

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36726-1

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 8:58:01 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-36881-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-36881-1	BOW-PT-02-WG-202507160804	Water	07/16/25 08:04	07/16/25 12:56	Georgia
705-36881-2	BOW-PT-04-WG-202507160800	Water	07/16/25 08:00	07/16/25 12:56	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:	Analysis Requested		Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:	
City: Kennesaw	TAT Requested (days): 2-day TAT	
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No	
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433	
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100	
Project Name: Plant Bowen	Project #: GW6581H	
Site:	WO#:	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals (B, Ca, Fe, Mg, K, Na)	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/16/25	0804	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/16/25	0800	G	WG	N	N	X	X	X	X	2	

705-36881 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250716**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	7/16/2025 1154	GeoSyntec	Received by:	7/16/25 11:54	Eurofins
Relinquished by:	7/16/25 12:56	Eurofins	Received by:	7.16.25 1256	
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	3.8 # 2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-36881-1

Login Number: 36881
List Number: 1
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-36881-1

Revision 1
The report being provided is a revision of the original report sent on 7/18/2025. The report is being revised in order to add B qualifier flags to Sodium as needed to these samples and to include a narrative comment below about this qualifier flag.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/16/2025 12:56 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-67990 and analytical batch 705-68817 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Client Sample ID: BOW-PT-02-WG-202507160804

Lab Sample ID: 705-36881-1

Date Collected: 07/16/25 08:04
Matrix: Water
Date Received: 07/16/25 12:56

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		100	98	mg/L			07/16/25 18:46	100
Sulfate	250		100	77	mg/L			07/16/25 18:46	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	6.6		0.050	0.026	mg/L		07/17/25 08:10	07/18/25 12:39	1
Calcium	200		1.0	0.38	mg/L		07/17/25 08:10	07/18/25 15:49	10
Iron	ND		0.10	0.035	mg/L		07/17/25 08:10	07/18/25 12:39	1
Magnesium	35		0.10	0.036	mg/L		07/17/25 08:10	07/18/25 12:39	1
Potassium	7.2		0.50	0.32	mg/L		07/17/25 08:10	07/18/25 12:39	1
Sodium	42	B	1.0	0.039	mg/L		07/17/25 08:10	07/18/25 12:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.011		0.0050	0.00041	mg/L		07/17/25 08:12	07/18/25 03:19	1
Molybdenum	0.062		0.0050	0.00069	mg/L		07/17/25 08:12	07/18/25 03:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	260		3.0	3.0	mg/L			07/17/25 10:56	1
Total Alkalinity (SM 2320B-2011)	260		3.0	3.0	mg/L			07/17/25 10:56	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Client Sample ID: BOW-PT-04-WG-202507160800

Lab Sample ID: 705-36881-2

Date Collected: 07/16/25 08:00

Matrix: Water

Date Received: 07/16/25 12:56

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		100	98	mg/L			07/16/25 18:57	100
Sulfate	180		100	77	mg/L			07/16/25 18:57	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	6.3		0.050	0.026	mg/L		07/17/25 08:10	07/18/25 12:48	1
Calcium	150		0.10	0.038	mg/L		07/17/25 08:10	07/18/25 12:48	1
Iron	1.3		0.10	0.035	mg/L		07/17/25 08:10	07/18/25 12:48	1
Magnesium	31		0.10	0.036	mg/L		07/17/25 08:10	07/18/25 12:48	1
Potassium	7.0		0.50	0.32	mg/L		07/17/25 08:10	07/18/25 12:48	1
Sodium	72	B	1.0	0.039	mg/L		07/17/25 08:10	07/18/25 12:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0073		0.0050	0.00041	mg/L		07/17/25 08:12	07/18/25 03:40	1
Molybdenum	0.034		0.0050	0.00069	mg/L		07/17/25 08:12	07/18/25 03:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/17/25 10:56	1
Total Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/17/25 10:56	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68095/3
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/16/25 12:08	1
Sulfate	ND		1.0	0.77	mg/L			07/16/25 12:08	1

Lab Sample ID: LCS 705-68095/4
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.17		mg/L		92	90 - 110
Sulfate	25.0	23.0		mg/L		92	90 - 110

Lab Sample ID: 705-36810-A-2 MS
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.9		10.0	14.5		mg/L		96	90 - 110
Sulfate	ND	F1	25.0	21.1	F1	mg/L		84	90 - 110

Lab Sample ID: 705-36810-A-2 MSD
Matrix: Water
Analysis Batch: 68095

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.9		10.0	14.6		mg/L		97	90 - 110	0	15
Sulfate	ND	F1	25.0	22.9		mg/L		92	90 - 110	8	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-67990/1-A
Matrix: Water
Analysis Batch: 68817

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/16/25 08:19	07/18/25 11:57	1
Calcium	ND		0.10	0.038	mg/L		07/16/25 08:19	07/18/25 11:57	1
Iron	ND		0.10	0.035	mg/L		07/16/25 08:19	07/18/25 11:57	1
Magnesium	ND		0.10	0.036	mg/L		07/16/25 08:19	07/18/25 11:57	1
Potassium	ND		0.50	0.32	mg/L		07/16/25 08:19	07/18/25 11:57	1
Sodium	0.174	J	1.0	0.039	mg/L		07/16/25 08:19	07/18/25 11:57	1

Lab Sample ID: LCS 705-67990/2-A
Matrix: Water
Analysis Batch: 68817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.977		mg/L		98	80 - 120
Calcium	10.0	10.2		mg/L		102	80 - 120
Iron	10.0	10.9		mg/L		109	80 - 120
Magnesium	10.0	10.1		mg/L		101	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-67990/2-A
Matrix: Water
Analysis Batch: 68817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	10.0	10.0		mg/L		100	80 - 120
Sodium	10.0	10.6		mg/L		106	80 - 120

Lab Sample ID: 705-36697-D-1-B MS
Matrix: Water
Analysis Batch: 68817

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.039	J	1.00	0.997		mg/L		96	75 - 125
Calcium	16		10.0	26.1		mg/L		103	75 - 125
Iron	1.0		10.0	11.5		mg/L		105	75 - 125
Magnesium	1.9		10.0	11.7		mg/L		98	75 - 125
Potassium	1.0		10.0	11.1		mg/L		101	75 - 125
Sodium	3.9		10.0	14.2		mg/L		103	75 - 125

Lab Sample ID: 705-36697-D-1-C MSD
Matrix: Water
Analysis Batch: 68817

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.039	J	1.00	1.00		mg/L		96	75 - 125	0	20
Calcium	16		10.0	26.2		mg/L		104	75 - 125	0	20
Iron	1.0		10.0	11.4		mg/L		104	75 - 125	1	20
Magnesium	1.9		10.0	11.6		mg/L		97	75 - 125	1	20
Potassium	1.0		10.0	11.0		mg/L		100	75 - 125	1	20
Sodium	3.9		10.0	14.2		mg/L		102	75 - 125	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-68316/1-A
Matrix: Water
Analysis Batch: 68709

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 68316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/17/25 08:12	07/18/25 01:44	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/17/25 08:12	07/18/25 01:44	1

Lab Sample ID: LCS 705-68316/2-A
Matrix: Water
Analysis Batch: 68709

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 68316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.111		mg/L		111	80 - 120
Molybdenum	0.100	0.107		mg/L		107	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-265566-E-3-B MS
Matrix: Water
Analysis Batch: 68709

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 68316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	ND		0.100	0.112		mg/L		112	75 - 125
Molybdenum	0.00078	J	0.100	0.107		mg/L		106	75 - 125

Lab Sample ID: 680-265566-E-3-C MSD
Matrix: Water
Analysis Batch: 68709

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 68316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		0.100	0.109		mg/L		109	75 - 125	2	20
Molybdenum	0.00078	J	0.100	0.105		mg/L		105	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68426/1
Matrix: Water
Analysis Batch: 68426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bicarbonate Alkalinity	125	125		mg/L		100	90 - 110
Total Alkalinity	125	125		mg/L		100	90 - 110

Lab Sample ID: 705-36797-A-1 DU
Matrix: Water
Analysis Batch: 68426

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity	170		167		mg/L		3	30
Total Alkalinity	170		167		mg/L		3	30

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

HPLC/IC

Analysis Batch: 68095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total/NA	Water	9056A	
705-36881-2	BOW-PT-04-WG-202507160800	Total/NA	Water	9056A	
MB 705-68095/3	Method Blank	Total/NA	Water	9056A	
LCS 705-68095/4	Lab Control Sample	Total/NA	Water	9056A	
705-36810-A-2 MS	Matrix Spike	Total/NA	Water	9056A	
705-36810-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 67990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total/NA	Water	3010A	
705-36881-2	BOW-PT-04-WG-202507160800	Total/NA	Water	3010A	
MB 705-67990/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-67990/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-36697-D-1-B MS	Matrix Spike	Total/NA	Water	3010A	
705-36697-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 68316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total Recoverable	Water	3005A	
705-36881-2	BOW-PT-04-WG-202507160800	Total Recoverable	Water	3005A	
MB 705-68316/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-68316/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-265566-E-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-265566-E-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 68709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total Recoverable	Water	6020B	68316
705-36881-2	BOW-PT-04-WG-202507160800	Total Recoverable	Water	6020B	68316
MB 705-68316/1-A	Method Blank	Total Recoverable	Water	6020B	68316
LCS 705-68316/2-A	Lab Control Sample	Total Recoverable	Water	6020B	68316
680-265566-E-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	68316
680-265566-E-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	68316

Analysis Batch: 68817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total/NA	Water	6010D	67990
705-36881-2	BOW-PT-04-WG-202507160800	Total/NA	Water	6010D	67990
MB 705-67990/1-A	Method Blank	Total/NA	Water	6010D	67990
LCS 705-67990/2-A	Lab Control Sample	Total/NA	Water	6010D	67990
705-36697-D-1-B MS	Matrix Spike	Total/NA	Water	6010D	67990
705-36697-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	67990

Analysis Batch: 68844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total/NA	Water	6010D	67990

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

General Chemistry

Analysis Batch: 68426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36881-1	BOW-PT-02-WG-202507160804	Total/NA	Water	2320B-2011	
705-36881-2	BOW-PT-04-WG-202507160800	Total/NA	Water	2320B-2011	
LCS 705-68426/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-36797-A-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-36881-1

Client Sample ID: BOW-PT-02-WG-202507160804
Lab Sample ID: 705-36881-1
Date Collected: 07/16/25 08:04
Matrix: Water
Date Received: 07/16/25 12:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 18:46
Total/NA	Prep	3010A			67990	SA	EET ATL	07/17/25 08:10
Total/NA	Analysis	6010D		1	68817	KB	EET ATL	07/18/25 12:39
Total/NA	Prep	3010A			67990	SA	EET ATL	07/17/25 08:10
Total/NA	Analysis	6010D		10	68844	KB	EET ATL	07/18/25 15:49
Total Recoverable	Prep	3005A			68316	SA	EET ATL	07/17/25 08:12
Total Recoverable	Analysis	6020B		1	68709	IF	EET ATL	07/18/25 03:19
Total/NA	Analysis	2320B-2011		1	68426	AH	EET ATL	07/17/25 10:56

Client Sample ID: BOW-PT-04-WG-202507160800
Lab Sample ID: 705-36881-2
Date Collected: 07/16/25 08:00
Matrix: Water
Date Received: 07/16/25 12:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		100	68095	MS	EET ATL	07/16/25 18:57
Total/NA	Prep	3010A			67990	SA	EET ATL	07/17/25 08:10
Total/NA	Analysis	6010D		1	68817	KB	EET ATL	07/18/25 12:48
Total Recoverable	Prep	3005A			68316	SA	EET ATL	07/17/25 08:12
Total Recoverable	Analysis	6020B		1	68709	IF	EET ATL	07/18/25 03:40
Total/NA	Analysis	2320B-2011		1	68426	AH	EET ATL	07/17/25 10:56

Laboratory References:
EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 705-36881-1
Project/Site: Plant Bowen

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 10:07:19 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-37046-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-37046-1	BOW-PT-02-WG-202507170800	Water	07/17/25 08:00	07/17/25 12:10	Georgia
705-37046-2	BOW-PT-04-WG-202507170754	Water	07/17/25 07:54	07/17/25 12:10	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:
City: Kennesaw	TAT Requested (days): 2-day TAT
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100
Project Name: Plant Bowen	Project #: GW6581H
Site:	WO#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals (B, Ca, Fe, Mg, K, Na)	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/17/25	0800	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/17/25	0754	G	WG	N	N	X	X	X	X	2	

705-37046 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250717**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/17/2025 1015	Geosyntec	Kathi Cobb	7/17/25 10:15	Geosyntec
Relinquished by: Kathi Cobb	Date/Time: 7/17/25 11:30	Company Geosyntec	Received by: [signature]	Date/Time: 7/17/25 11:30	Company Eurofins
Relinquished by: [signature]	Date/Time: 7/17/25 12:10	Company Eurofins	Received by: [signature]	Date/Time: 7.17.25 1210	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	2.9 # 2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-37046-1

Login Number: 37046
List Number: 1
Creator: Torres, Dominique

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-37046-1

Revision 1
The report being provided is a revision of the original report sent on 7/21/2025. The report is being revised in order to include a narrative comment below about the B qualifier flags for Sodium.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/17/2025 12:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-68606 and analytical batch 705-69075 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Client Sample ID: BOW-PT-02-WG-202507170800

Lab Sample ID: 705-37046-1

Date Collected: 07/17/25 08:00

Matrix: Water

Date Received: 07/17/25 12:10

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		50	49	mg/L			07/17/25 23:32	50
Sulfate	150		50	38	mg/L			07/17/25 23:32	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.4		0.050	0.026	mg/L		07/18/25 08:03	07/18/25 17:56	1
Calcium	150		0.10	0.038	mg/L		07/18/25 08:03	07/18/25 17:56	1
Iron	ND		0.10	0.035	mg/L		07/18/25 08:03	07/18/25 17:56	1
Magnesium	27		0.10	0.036	mg/L		07/18/25 08:03	07/18/25 17:56	1
Potassium	6.5		0.50	0.32	mg/L		07/18/25 08:03	07/18/25 17:56	1
Sodium	58	B	1.0	0.039	mg/L		07/18/25 08:03	07/18/25 17:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0056		0.0050	0.00041	mg/L		07/18/25 07:35	07/18/25 18:21	1
Molybdenum	0.057		0.0050	0.00069	mg/L		07/18/25 07:35	07/18/25 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	250		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	250		3.0	3.0	mg/L			07/18/25 13:45	1

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Client Sample ID: BOW-PT-04-WG-202507170754

Lab Sample ID: 705-37046-2

Date Collected: 07/17/25 07:54

Matrix: Water

Date Received: 07/17/25 12:10

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		50	49	mg/L			07/17/25 23:43	50
Sulfate	100		50	38	mg/L			07/17/25 23:43	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.4		0.050	0.026	mg/L		07/18/25 08:03	07/18/25 17:59	1
Calcium	100		0.10	0.038	mg/L		07/18/25 08:03	07/18/25 17:59	1
Iron	0.46		0.10	0.035	mg/L		07/18/25 08:03	07/18/25 17:59	1
Magnesium	22		0.10	0.036	mg/L		07/18/25 08:03	07/18/25 17:59	1
Potassium	5.8		0.50	0.32	mg/L		07/18/25 08:03	07/18/25 17:59	1
Sodium	77	B	1.0	0.039	mg/L		07/18/25 08:03	07/18/25 17:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0028	J	0.0050	0.00041	mg/L		07/18/25 07:35	07/18/25 18:24	1
Molybdenum	0.046		0.0050	0.00069	mg/L		07/18/25 07:35	07/18/25 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	270		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	270		3.0	3.0	mg/L			07/18/25 13:45	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68420/104
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/17/25 20:40	1
Sulfate	ND		1.0	0.77	mg/L			07/17/25 20:40	1

Lab Sample ID: LCS 705-68420/105
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.22		mg/L		92	90 - 110		
Sulfate			25.0	23.6		mg/L		95	90 - 110		

Lab Sample ID: 705-36941-B-1 MS
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	0.99	J F1	10.0	9.99		mg/L		90	90 - 110		
Sulfate	1.3		25.0	25.5		mg/L		97	90 - 110		

Lab Sample ID: 705-36941-B-1 MSD
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.99	J F1	10.0	9.91	F1	mg/L		89	90 - 110	1	15
Sulfate	1.3		25.0	25.9		mg/L		98	90 - 110	2	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-68606/1-A
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/18/25 08:03	07/18/25 17:21	1
Calcium	ND		0.10	0.038	mg/L		07/18/25 08:03	07/18/25 17:21	1
Iron	ND		0.10	0.035	mg/L		07/18/25 08:03	07/18/25 17:21	1
Magnesium	ND		0.10	0.036	mg/L		07/18/25 08:03	07/18/25 17:21	1
Potassium	ND		0.50	0.32	mg/L		07/18/25 08:03	07/18/25 17:21	1
Sodium	0.170	J	1.0	0.039	mg/L		07/18/25 08:03	07/18/25 17:21	1

Lab Sample ID: LCS 705-68606/2-A
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68606

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	0.958		mg/L		96	80 - 120		
Calcium			10.0	10.0		mg/L		100	80 - 120		
Iron			10.0	10.6		mg/L		106	80 - 120		
Magnesium			10.0	9.86		mg/L		99	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-68606/2-A
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	10.0	10.1		mg/L		101	80 - 120
Sodium	10.0	10.8		mg/L		108	80 - 120

Lab Sample ID: 705-37008-B-1-B MS
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.032	J	1.00	0.954		mg/L		92	75 - 125
Calcium	530	E	10.0	537	E 4	mg/L		87	75 - 125
Iron	79		10.0	86.2	4	mg/L		73	75 - 125
Magnesium	150		10.0	157	4	mg/L		93	75 - 125
Potassium	11		10.0	22.3		mg/L		113	75 - 125
Sodium	15	B	10.0	26.1		mg/L		110	75 - 125

Lab Sample ID: 705-37008-B-1-B MS ^20
Matrix: Water
Analysis Batch: 69186

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	590		10.0	618	4	mg/L		273	75 - 125
Iron	99		10.0	113	4	mg/L		134	75 - 125

Lab Sample ID: 705-37008-B-1-C MSD
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.032	J	1.00	0.949		mg/L		92	75 - 125	1	20
Calcium	530	E	10.0	534	E 4	mg/L		59	75 - 125	1	20
Iron	79		10.0	85.8	4	mg/L		70	75 - 125	0	20
Magnesium	150		10.0	156	4	mg/L		83	75 - 125	1	20
Potassium	11		10.0	22.2		mg/L		112	75 - 125	1	20
Sodium	15	B	10.0	26.1		mg/L		109	75 - 125	0	20

Lab Sample ID: 705-37008-B-1-C MSD ^20
Matrix: Water
Analysis Batch: 69186

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	590		10.0	609	4	mg/L		179	75 - 125	2	20
Iron	99		10.0	111	4	mg/L		118	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-68601/1-A
Matrix: Water
Analysis Batch: 69136

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/18/25 07:35	07/18/25 17:47	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/18/25 07:35	07/18/25 17:47	1

Lab Sample ID: LCS 705-68601/2-A
Matrix: Water
Analysis Batch: 69136

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			0.100	0.0992		mg/L		99	80 - 120		
Molybdenum			0.100	0.104		mg/L		104	80 - 120		

Lab Sample ID: 705-37047-B-1-B MS
Matrix: Water
Analysis Batch: 69136

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	0.0024	J	0.100	0.100		mg/L		98	75 - 125		
Molybdenum	0.062		0.100	0.168		mg/L		106	75 - 125		

Lab Sample ID: 705-37047-B-1-C MSD
Matrix: Water
Analysis Batch: 69136

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.0024	J	0.100	0.0977		mg/L		95	75 - 125	3	20
Molybdenum	0.062		0.100	0.167		mg/L		105	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68788/1
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bicarbonate Alkalinity			125	124		mg/L		100	90 - 110		
Total Alkalinity			125	124		mg/L		100	90 - 110		

Lab Sample ID: 705-37008-C-1 DU
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Bicarbonate Alkalinity	87			84.1		mg/L				4	30
Total Alkalinity	87			84.1		mg/L				4	30

HPLC/IC

Analysis Batch: 68420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37046-1	BOW-PT-02-WG-202507170800	Total/NA	Water	9056A	
705-37046-2	BOW-PT-04-WG-202507170754	Total/NA	Water	9056A	
MB 705-68420/104	Method Blank	Total/NA	Water	9056A	
LCS 705-68420/105	Lab Control Sample	Total/NA	Water	9056A	
705-36941-B-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-36941-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 68601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37046-1	BOW-PT-02-WG-202507170800	Total Recoverable	Water	3005A	
705-37046-2	BOW-PT-04-WG-202507170754	Total Recoverable	Water	3005A	
MB 705-68601/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-68601/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-37047-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
705-37047-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 68606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37046-1	BOW-PT-02-WG-202507170800	Total/NA	Water	3010A	
705-37046-2	BOW-PT-04-WG-202507170754	Total/NA	Water	3010A	
MB 705-68606/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-68606/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-37008-B-1-B MS	Matrix Spike	Total/NA	Water	3010A	
705-37008-B-1-B MS ^20	Matrix Spike	Total/NA	Water	3010A	
705-37008-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
705-37008-B-1-C MSD ^20	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 69075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37046-1	BOW-PT-02-WG-202507170800	Total/NA	Water	6010D	68606
705-37046-2	BOW-PT-04-WG-202507170754	Total/NA	Water	6010D	68606
MB 705-68606/1-A	Method Blank	Total/NA	Water	6010D	68606
LCS 705-68606/2-A	Lab Control Sample	Total/NA	Water	6010D	68606
705-37008-B-1-B MS	Matrix Spike	Total/NA	Water	6010D	68606
705-37008-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	68606

Analysis Batch: 69136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37046-1	BOW-PT-02-WG-202507170800	Total Recoverable	Water	6020B	68601
705-37046-2	BOW-PT-04-WG-202507170754	Total Recoverable	Water	6020B	68601
MB 705-68601/1-A	Method Blank	Total Recoverable	Water	6020B	68601
LCS 705-68601/2-A	Lab Control Sample	Total Recoverable	Water	6020B	68601
705-37047-B-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	68601
705-37047-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	68601

Analysis Batch: 69186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37008-B-1-B MS ^20	Matrix Spike	Total/NA	Water	6010D	68606
705-37008-B-1-C MSD ^20	Matrix Spike Duplicate	Total/NA	Water	6010D	68606

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

General Chemistry

Analysis Batch: 68788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37046-1	BOW-PT-02-WG-202507170800	Total/NA	Water	2320B-2011	
705-37046-2	BOW-PT-04-WG-202507170754	Total/NA	Water	2320B-2011	
LCS 705-68788/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-37008-C-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Client Sample ID: BOW-PT-02-WG-202507170800

Lab Sample ID: 705-37046-1

Date Collected: 07/17/25 08:00
Matrix: Water
Date Received: 07/17/25 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68420	MS	EET ATL	07/17/25 23:32
Total/NA	Prep	3010A			68606	SA	EET ATL	07/18/25 08:03
Total/NA	Analysis	6010D		1	69075	DAB	EET ATL	07/18/25 17:56
Total Recoverable	Prep	3005A			68601	SA	EET ATL	07/18/25 07:35
Total Recoverable	Analysis	6020B		1	69136	MD	EET ATL	07/18/25 18:21
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Client Sample ID: BOW-PT-04-WG-202507170754

Lab Sample ID: 705-37046-2

Date Collected: 07/17/25 07:54
Matrix: Water
Date Received: 07/17/25 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68420	MS	EET ATL	07/17/25 23:43
Total/NA	Prep	3010A			68606	SA	EET ATL	07/18/25 08:03
Total/NA	Analysis	6010D		1	69075	DAB	EET ATL	07/18/25 17:59
Total Recoverable	Prep	3005A			68601	SA	EET ATL	07/18/25 07:35
Total Recoverable	Analysis	6020B		1	69136	MD	EET ATL	07/18/25 18:24
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37046-1

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/11/2025 8:06:16 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-37047-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-37047-1	BOW-PT-02-WG-202507161540	Water	07/16/25 15:40	07/17/25 12:10	Georgia
705-37047-2	BOW-PT-04-WG-202507161550	Water	07/16/25 15:50	07/17/25 12:10	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:
City: Kennesaw	TAT Requested (days): 2-day TAT
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100
Project Name: Plant Bowen	Project #: GW6581H
Site:	WO#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals (B, Ca, Fe, Mg, K, Na)	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/16/25	1540	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/16/25	1550	G	WG	N	N	X	X	X	X	2	

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

705-37047 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250716**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/17/2025 1015	Geosyntec	Kathi Cobb	7/17/25 10:15	Geosyntec
Kathi Cobb	7/17/25 11:30	Geosyntec	[signature]	7/17/25 11:30	Eurofins
[signature]	7/17/25 12:10	Eurofins	[signature]	7.17.25 1210	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: Co 2.9 # 2665

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-37047-1

Login Number: 37047
List Number: 1
Creator: Torres, Dominique

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-37047-1

Revision 1
The report being provided is a revision of the original report sent on 7/21/2025. The report is being revised in order to include a narrative comment below about the B qualifier flags for Sodium.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/17/2025 12:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-68606 and analytical batch 705-69075 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

Client Sample ID: BOW-PT-02-WG-202507161540

Lab Sample ID: 705-37047-1

Date Collected: 07/16/25 15:40

Matrix: Water

Date Received: 07/17/25 12:10

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		50	49	mg/L			07/17/25 23:08	50
Sulfate	100		50	38	mg/L			07/17/25 23:08	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.5		0.050	0.026	mg/L		07/18/25 08:03	07/18/25 17:53	1
Calcium	100		0.10	0.038	mg/L		07/18/25 08:03	07/18/25 17:53	1
Iron	ND		0.10	0.035	mg/L		07/18/25 08:03	07/18/25 17:53	1
Magnesium	18		0.10	0.036	mg/L		07/18/25 08:03	07/18/25 17:53	1
Potassium	5.4		0.50	0.32	mg/L		07/18/25 08:03	07/18/25 17:53	1
Sodium	78	B	1.0	0.039	mg/L		07/18/25 08:03	07/18/25 17:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0024	J	0.0050	0.00041	mg/L		07/18/25 07:35	07/18/25 17:52	1
Molybdenum	0.062		0.0050	0.00069	mg/L		07/18/25 07:35	07/18/25 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	290		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	290		3.0	3.0	mg/L			07/18/25 13:45	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

Client Sample ID: BOW-PT-04-WG-202507161550

Lab Sample ID: 705-37047-2

Date Collected: 07/16/25 15:50

Matrix: Water

Date Received: 07/17/25 12:10

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		50	49	mg/L			07/17/25 23:19	50
Sulfate	81		50	38	mg/L			07/17/25 23:19	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.4		0.050	0.026	mg/L		07/18/25 08:03	07/18/25 17:50	1
Calcium	84		0.10	0.038	mg/L		07/18/25 08:03	07/18/25 17:50	1
Iron	0.51		0.10	0.035	mg/L		07/18/25 08:03	07/18/25 17:50	1
Magnesium	17		0.10	0.036	mg/L		07/18/25 08:03	07/18/25 17:50	1
Potassium	5.0		0.50	0.32	mg/L		07/18/25 08:03	07/18/25 17:50	1
Sodium	79	B	1.0	0.039	mg/L		07/18/25 08:03	07/18/25 17:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0025	J	0.0050	0.00041	mg/L		07/18/25 07:35	07/18/25 18:19	1
Molybdenum	0.040		0.0050	0.00069	mg/L		07/18/25 07:35	07/18/25 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	290		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	290		3.0	3.0	mg/L			07/18/25 13:45	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68420/104
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/17/25 20:40	1
Sulfate	ND		1.0	0.77	mg/L			07/17/25 20:40	1

Lab Sample ID: LCS 705-68420/105
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.22		mg/L		92	90 - 110
Sulfate	25.0	23.6		mg/L		95	90 - 110

Lab Sample ID: 705-36941-B-1 MS
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.99	J F1	10.0	9.99		mg/L		90	90 - 110
Sulfate	1.3		25.0	25.5		mg/L		97	90 - 110

Lab Sample ID: 705-36941-B-1 MSD
Matrix: Water
Analysis Batch: 68420

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.99	J F1	10.0	9.91	F1	mg/L		89	90 - 110	1	15
Sulfate	1.3		25.0	25.9		mg/L		98	90 - 110	2	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-68606/1-A
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/18/25 08:03	07/18/25 17:21	1
Calcium	ND		0.10	0.038	mg/L		07/18/25 08:03	07/18/25 17:21	1
Iron	ND		0.10	0.035	mg/L		07/18/25 08:03	07/18/25 17:21	1
Magnesium	ND		0.10	0.036	mg/L		07/18/25 08:03	07/18/25 17:21	1
Potassium	ND		0.50	0.32	mg/L		07/18/25 08:03	07/18/25 17:21	1
Sodium	0.170	J	1.0	0.039	mg/L		07/18/25 08:03	07/18/25 17:21	1

Lab Sample ID: LCS 705-68606/2-A
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.958		mg/L		96	80 - 120
Calcium	10.0	10.0		mg/L		100	80 - 120
Iron	10.0	10.6		mg/L		106	80 - 120
Magnesium	10.0	9.86		mg/L		99	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-68606/2-A
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	10.0	10.1		mg/L		101	80 - 120
Sodium	10.0	10.8		mg/L		108	80 - 120

Lab Sample ID: 705-37008-B-1-B MS
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.032	J	1.00	0.954		mg/L		92	75 - 125
Calcium	530	E	10.0	537	E 4	mg/L		87	75 - 125
Iron	79		10.0	86.2	4	mg/L		73	75 - 125
Magnesium	150		10.0	157	4	mg/L		93	75 - 125
Potassium	11		10.0	22.3		mg/L		113	75 - 125
Sodium	15	B	10.0	26.1		mg/L		110	75 - 125

Lab Sample ID: 705-37008-B-1-B MS ^20
Matrix: Water
Analysis Batch: 69186

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	590		10.0	618	4	mg/L		273	75 - 125
Iron	99		10.0	113	4	mg/L		134	75 - 125

Lab Sample ID: 705-37008-B-1-C MSD
Matrix: Water
Analysis Batch: 69075

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.032	J	1.00	0.949		mg/L		92	75 - 125	1	20
Calcium	530	E	10.0	534	E 4	mg/L		59	75 - 125	1	20
Iron	79		10.0	85.8	4	mg/L		70	75 - 125	0	20
Magnesium	150		10.0	156	4	mg/L		83	75 - 125	1	20
Potassium	11		10.0	22.2		mg/L		112	75 - 125	1	20
Sodium	15	B	10.0	26.1		mg/L		109	75 - 125	0	20

Lab Sample ID: 705-37008-B-1-C MSD ^20
Matrix: Water
Analysis Batch: 69186

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 68606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	590		10.0	609	4	mg/L		179	75 - 125	2	20
Iron	99		10.0	111	4	mg/L		118	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-68601/1-A
Matrix: Water
Analysis Batch: 69136

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/18/25 07:35	07/18/25 17:47	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/18/25 07:35	07/18/25 17:47	1

Lab Sample ID: LCS 705-68601/2-A
Matrix: Water
Analysis Batch: 69136

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			0.100	0.0992		mg/L		99	80 - 120		
Molybdenum			0.100	0.104		mg/L		104	80 - 120		

Lab Sample ID: 705-37047-1 MS
Matrix: Water
Analysis Batch: 69136

Client Sample ID: BOW-PT-02-WG-202507161540
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	0.0024	J	0.100	0.100		mg/L		98	75 - 125		
Molybdenum	0.062		0.100	0.168		mg/L		106	75 - 125		

Lab Sample ID: 705-37047-1 MSD
Matrix: Water
Analysis Batch: 69136

Client Sample ID: BOW-PT-02-WG-202507161540
Prep Type: Total Recoverable
Prep Batch: 68601

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.0024	J	0.100	0.0977		mg/L		95	75 - 125	3	20
Molybdenum	0.062		0.100	0.167		mg/L		105	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68788/1
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bicarbonate Alkalinity			125	124		mg/L		100	90 - 110		
Total Alkalinity			125	124		mg/L		100	90 - 110		

Lab Sample ID: 705-37008-C-1 DU
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Bicarbonate Alkalinity	87			84.1		mg/L				4	30
Total Alkalinity	87			84.1		mg/L				4	30

HPLC/IC

Analysis Batch: 68420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37047-1	BOW-PT-02-WG-202507161540	Total/NA	Water	9056A	
705-37047-2	BOW-PT-04-WG-202507161550	Total/NA	Water	9056A	
MB 705-68420/104	Method Blank	Total/NA	Water	9056A	
LCS 705-68420/105	Lab Control Sample	Total/NA	Water	9056A	
705-36941-B-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-36941-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 68601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37047-1	BOW-PT-02-WG-202507161540	Total Recoverable	Water	3005A	
705-37047-2	BOW-PT-04-WG-202507161550	Total Recoverable	Water	3005A	
MB 705-68601/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-68601/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-37047-1 MS	BOW-PT-02-WG-202507161540	Total Recoverable	Water	3005A	
705-37047-1 MSD	BOW-PT-02-WG-202507161540	Total Recoverable	Water	3005A	

Prep Batch: 68606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37047-1	BOW-PT-02-WG-202507161540	Total/NA	Water	3010A	
705-37047-2	BOW-PT-04-WG-202507161550	Total/NA	Water	3010A	
MB 705-68606/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-68606/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-37008-B-1-B MS	Matrix Spike	Total/NA	Water	3010A	
705-37008-B-1-B MS ^20	Matrix Spike	Total/NA	Water	3010A	
705-37008-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
705-37008-B-1-C MSD ^20	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 69075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37047-1	BOW-PT-02-WG-202507161540	Total/NA	Water	6010D	68606
705-37047-2	BOW-PT-04-WG-202507161550	Total/NA	Water	6010D	68606
MB 705-68606/1-A	Method Blank	Total/NA	Water	6010D	68606
LCS 705-68606/2-A	Lab Control Sample	Total/NA	Water	6010D	68606
705-37008-B-1-B MS	Matrix Spike	Total/NA	Water	6010D	68606
705-37008-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	68606

Analysis Batch: 69136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37047-1	BOW-PT-02-WG-202507161540	Total Recoverable	Water	6020B	68601
705-37047-2	BOW-PT-04-WG-202507161550	Total Recoverable	Water	6020B	68601
MB 705-68601/1-A	Method Blank	Total Recoverable	Water	6020B	68601
LCS 705-68601/2-A	Lab Control Sample	Total Recoverable	Water	6020B	68601
705-37047-1 MS	BOW-PT-02-WG-202507161540	Total Recoverable	Water	6020B	68601
705-37047-1 MSD	BOW-PT-02-WG-202507161540	Total Recoverable	Water	6020B	68601

Analysis Batch: 69186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37008-B-1-B MS ^20	Matrix Spike	Total/NA	Water	6010D	68606
705-37008-B-1-C MSD ^20	Matrix Spike Duplicate	Total/NA	Water	6010D	68606

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

General Chemistry

Analysis Batch: 68788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37047-1	BOW-PT-02-WG-202507161540	Total/NA	Water	2320B-2011	
705-37047-2	BOW-PT-04-WG-202507161550	Total/NA	Water	2320B-2011	
LCS 705-68788/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-37008-C-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37047-1

Client Sample ID: BOW-PT-02-WG-202507161540
Date Collected: 07/16/25 15:40
Date Received: 07/17/25 12:10

Lab Sample ID: 705-37047-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68420	MS	EET ATL	07/17/25 23:08
Total/NA	Prep	3010A			68606	SA	EET ATL	07/18/25 08:03
Total/NA	Analysis	6010D		1	69075	DAB	EET ATL	07/18/25 17:53
Total Recoverable	Prep	3005A			68601	SA	EET ATL	07/18/25 07:35
Total Recoverable	Analysis	6020B		1	69136	MD	EET ATL	07/18/25 17:52
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Client Sample ID: BOW-PT-04-WG-202507161550
Date Collected: 07/16/25 15:50
Date Received: 07/17/25 12:10

Lab Sample ID: 705-37047-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68420	MS	EET ATL	07/17/25 23:19
Total/NA	Prep	3010A			68606	SA	EET ATL	07/18/25 08:03
Total/NA	Analysis	6010D		1	69075	DAB	EET ATL	07/18/25 17:50
Total Recoverable	Prep	3005A			68601	SA	EET ATL	07/18/25 07:35
Total Recoverable	Analysis	6020B		1	69136	MD	EET ATL	07/18/25 18:19
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 705-37047-1
Project/Site: Plant Bowen

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/11/2025 8:12:16 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-37212-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
David Fuller, Project Manager
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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-37212-1	BOW-PT-02	Water	07/18/25 08:35	07/18/25 12:07	Georgia
705-37212-2	BOW-PT-04	Water	07/18/25 08:25	07/18/25 12:07	Georgia
705-37212-3	BOW-AP1-FB-01	Water	07/18/25 08:40	07/18/25 12:07	Georgia
705-37212-4	BOW-AP1-EB-01	Water	07/18/25 08:45	07/18/25 12:07	Georgia
705-37212-5	BOW-AP1-FD-01	Water	07/18/25 00:00	07/18/25 12:07	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:
City: Kennesaw	TAT Requested (days): 2-day TAT
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100
Project Name: Plant Bowen	Project #: GW6581H
Site:	WO#:

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals (B, Ca, Fe, Mg, K, Na)	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	D		
BOW-PT-02	7/18/25	0835	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/18/25	0825	G	WG	N	N	X	X	X	X	2	
BOW-AP1-FB-01	7/18/25	0840	G	WQ	N	N	X	X	X	X	2	
BOW-AP1-EB-01	7/18/25	0845	G	WQ	N	N	X	X	X	X	2	
BOW-AP1-FD-01	7/18/25	0000	G	WG	N	N	X	X	X	X	2	

705-37212 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250718**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 7/18/2025 1117	Company: Geosyntec	Received by:	Date/Time: 7/18 11:20AM	Company
Relinquished by:	Date/Time: 7/18 12:07PM	Company	Received by:	Date/Time: 7.18.25 1207	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: C0 3.6 #2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-37212-1

Login Number: 37212
List Number: 1
Creator: Tescum, Allyson

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-37212-1

Revision 1
The report being provided is a revision of the original report sent on 7/23/2025. The report is being revised in order to include a narrative comment below about the B qualifier flags for Sodium.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/18/2025 12:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-69044 and analytical batch 705-69315 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-PT-02

Date Collected: 07/18/25 08:35
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		50	49	mg/L			07/18/25 16:08	50
Sulfate	130		50	38	mg/L			07/18/25 16:08	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.0		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 16:49	1
Calcium	130		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 16:49	1
Iron	ND		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 16:49	1
Magnesium	23		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 16:49	1
Potassium	6.1		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 16:49	1
Sodium	54	B	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 16:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0020	J	0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:10	1
Molybdenum	0.050		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	270		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	270		3.0	3.0	mg/L			07/18/25 13:45	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-PT-04

Date Collected: 07/18/25 08:25
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		50	49	mg/L			07/18/25 16:19	50
Sulfate	90		50	38	mg/L			07/18/25 16:19	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.8		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 16:52	1
Calcium	80		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 16:52	1
Iron	0.22		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 16:52	1
Magnesium	18		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 16:52	1
Potassium	5.1		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 16:52	1
Sodium	71	B	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 16:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0021	J	0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:12	1
Molybdenum	0.054		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	290		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	290		3.0	3.0	mg/L			07/18/25 13:45	1

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-AP1-FB-01

Lab Sample ID: 705-37212-3

Date Collected: 07/18/25 08:40

Matrix: Water

Date Received: 07/18/25 12:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/22/25 21:59	1
Sulfate	ND		1.0	0.77	mg/L			07/22/25 21:59	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 17:00	1
Calcium	ND		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 17:00	1
Iron	ND		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 17:00	1
Magnesium	ND		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 17:00	1
Potassium	**0.32**	**J**	0.50	0.32	mg/L		07/21/25 09:30	07/21/25 17:00	1
Sodium	**0.24**	**J B**	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 17:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:15	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	ND		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	ND		3.0	3.0	mg/L			07/18/25 13:45	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-AP1-EB-01

Date Collected: 07/18/25 08:45
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-4

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/22/25 22:11	1
Sulfate	**1.9**		1.0	0.77	mg/L			07/22/25 22:11	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 17:03	1
Calcium	ND		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 17:03	1
Iron	ND		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 17:03	1
Magnesium	ND		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 17:03	1
Potassium	ND		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 17:03	1
Sodium	**0.24**	**J B**	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 17:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:18	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	ND		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	ND		3.0	3.0	mg/L			07/18/25 13:45	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-AP1-FD-01

Date Collected: 07/18/25 00:00
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-5

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		50	49	mg/L			07/18/25 22:47	50
Sulfate	80		50	38	mg/L			07/18/25 22:47	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.8		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 17:06	1
Calcium	82		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 17:06	1
Iron	0.33		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 17:06	1
Magnesium	18		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 17:06	1
Potassium	5.0		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 17:06	1
Sodium	72	B	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 17:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0024	J	0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:20	1
Molybdenum	0.049		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	280		3.0	3.0	mg/L			07/18/25 13:45	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68733/122
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/18/25 17:50	1
Sulfate	ND		1.0	0.77	mg/L			07/18/25 17:50	1

Lab Sample ID: MB 705-68733/3
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/18/25 11:00	1
Sulfate	ND		1.0	0.77	mg/L			07/18/25 11:00	1

Lab Sample ID: LCS 705-68733/123
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.38		mg/L		94	90 - 110		
Sulfate			25.0	23.3		mg/L		93	90 - 110		

Lab Sample ID: LCS 705-68733/4
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.41		mg/L		94	90 - 110		
Sulfate			25.0	23.1		mg/L		92	90 - 110		

Lab Sample ID: 705-37065-B-1 MS
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	27	F1	10.0	34.8	F1	mg/L		78	90 - 110		
Sulfate	2.4		25.0	25.8		mg/L		94	90 - 110		

Lab Sample ID: 705-37065-B-1 MSD
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27	F1	10.0	35.1	F1	mg/L		81	90 - 110	1	15
Sulfate	2.4		25.0	26.5		mg/L		96	90 - 110	3	15

Lab Sample ID: 705-37147-A-1 MS
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1.8		10.0	11.5		mg/L		97	90 - 110		
Sulfate	ND		25.0	23.6		mg/L		95	90 - 110		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: 705-37147-A-1 MSD
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.8		10.0	11.3		mg/L		95	90 - 110	2	15
Sulfate	ND		25.0	23.5		mg/L		94	90 - 110	1	15

Lab Sample ID: MB 705-69398/79
Matrix: Water
Analysis Batch: 69398

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/22/25 21:02	1
Sulfate	ND		1.0	0.77	mg/L			07/22/25 21:02	1

Lab Sample ID: LCS 705-69398/80
Matrix: Water
Analysis Batch: 69398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.77		mg/L		98	90 - 110
Sulfate	25.0	24.2		mg/L		97	90 - 110

Lab Sample ID: 705-37272-C-19 MS
Matrix: Water
Analysis Batch: 69398

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.7	F1	100	16.8	F1	mg/L		10	90 - 110
Sulfate	11	F1	250	34.9	F1	mg/L		10	90 - 110

Lab Sample ID: 705-37272-C-19 MSD
Matrix: Water
Analysis Batch: 69398

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.7	F1	100	16.6	F1	mg/L		10	90 - 110	1	15
Sulfate	11	F1	250	34.8	F1	mg/L		10	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-69044/1-A
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 15:05	1
Calcium	ND		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 15:05	1
Iron	ND		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 15:05	1
Magnesium	ND		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 15:05	1
Potassium	ND		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 15:05	1
Sodium	0.223	J	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 15:05	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-69044/2-A
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.989		mg/L		99	80 - 120
Calcium	10.0	9.64		mg/L		96	80 - 120
Iron	10.0	10.0		mg/L		100	80 - 120
Magnesium	10.0	9.63		mg/L		96	80 - 120
Potassium	10.0	9.94		mg/L		99	80 - 120
Sodium	10.0	10.4		mg/L		104	80 - 120

Lab Sample ID: 705-37216-B-1-C MS
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 69044

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	3.5		1.00	4.48		mg/L		99	75 - 125
Calcium	77		10.0	86.5	4	mg/L		93	75 - 125
Iron	0.48		10.0	9.94		mg/L		95	75 - 125
Magnesium	17		10.0	25.9		mg/L		91	75 - 125
Potassium	5.1		10.0	15.7		mg/L		106	75 - 125
Sodium	73	B	10.0	83.4	4	mg/L		103	75 - 125

Lab Sample ID: 705-37216-B-1-D MSD
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69044

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	3.5		1.00	4.47		mg/L		98	75 - 125	0	20
Calcium	77		10.0	86.6	4	mg/L		94	75 - 125	0	20
Iron	0.48		10.0	9.92		mg/L		94	75 - 125	0	20
Magnesium	17		10.0	25.9		mg/L		91	75 - 125	0	20
Potassium	5.1		10.0	15.7		mg/L		106	75 - 125	0	20
Sodium	73	B	10.0	83.8	4	mg/L		107	75 - 125	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-69016/1-A
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 03:21	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 03:21	1

Lab Sample ID: LCS 705-69016/2-A
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.110		mg/L		110	80 - 120
Molybdenum	0.100	0.109		mg/L		109	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 705-36845-A-1-B MS
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	ND		0.100	0.107		mg/L		107	75 - 125
Molybdenum	0.0020	J	0.100	0.110		mg/L		108	75 - 125

Lab Sample ID: 705-36845-A-1-C MSD
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		0.100	0.107		mg/L		107	75 - 125	0	20
Molybdenum	0.0020	J	0.100	0.112		mg/L		110	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68788/1
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bicarbonate Alkalinity	125	124		mg/L		100	90 - 110
Total Alkalinity	125	124		mg/L		100	90 - 110

Lab Sample ID: 705-37008-C-1 DU
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity	87		84.1		mg/L		4	30
Total Alkalinity	87		84.1		mg/L		4	30

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

HPLC/IC

Analysis Batch: 68733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-1	BOW-PT-02	Total/NA	Water	9056A	
705-37212-2	BOW-PT-04	Total/NA	Water	9056A	
705-37212-5	BOW-AP1-FD-01	Total/NA	Water	9056A	
MB 705-68733/122	Method Blank	Total/NA	Water	9056A	
MB 705-68733/3	Method Blank	Total/NA	Water	9056A	
LCS 705-68733/123	Lab Control Sample	Total/NA	Water	9056A	
LCS 705-68733/4	Lab Control Sample	Total/NA	Water	9056A	
705-37065-B-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-37065-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
705-37147-A-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-37147-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Analysis Batch: 69398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-3	BOW-AP1-FB-01	Total/NA	Water	9056A	
705-37212-4	BOW-AP1-EB-01	Total/NA	Water	9056A	
MB 705-69398/79	Method Blank	Total/NA	Water	9056A	
LCS 705-69398/80	Lab Control Sample	Total/NA	Water	9056A	
705-37272-C-19 MS	Matrix Spike	Total/NA	Water	9056A	
705-37272-C-19 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 69016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-1	BOW-PT-02	Total Recoverable	Water	3005A	
705-37212-2	BOW-PT-04	Total Recoverable	Water	3005A	
705-37212-3	BOW-AP1-FB-01	Total Recoverable	Water	3005A	
705-37212-4	BOW-AP1-EB-01	Total Recoverable	Water	3005A	
705-37212-5	BOW-AP1-FD-01	Total Recoverable	Water	3005A	
MB 705-69016/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-69016/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-36845-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
705-36845-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 69044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-1	BOW-PT-02	Total/NA	Water	3010A	
705-37212-2	BOW-PT-04	Total/NA	Water	3010A	
705-37212-3	BOW-AP1-FB-01	Total/NA	Water	3010A	
705-37212-4	BOW-AP1-EB-01	Total/NA	Water	3010A	
705-37212-5	BOW-AP1-FD-01	Total/NA	Water	3010A	
MB 705-69044/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-69044/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-37216-B-1-C MS	Matrix Spike	Total/NA	Water	3010A	
705-37216-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 69190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-69044/1-A	Method Blank	Total/NA	Water	6010D	69044
LCS 705-69044/2-A	Lab Control Sample	Total/NA	Water	6010D	69044

Metals (Continued)

Analysis Batch: 69190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-B-1-C MS	Matrix Spike	Total/NA	Water	6010D	69044
705-37216-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	69044

Analysis Batch: 69315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-1	BOW-PT-02	Total/NA	Water	6010D	69044
705-37212-2	BOW-PT-04	Total/NA	Water	6010D	69044
705-37212-3	BOW-AP1-FB-01	Total/NA	Water	6010D	69044
705-37212-4	BOW-AP1-EB-01	Total/NA	Water	6010D	69044
705-37212-5	BOW-AP1-FD-01	Total/NA	Water	6010D	69044

Analysis Batch: 69330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-1	BOW-PT-02	Total Recoverable	Water	6020B	69016
705-37212-2	BOW-PT-04	Total Recoverable	Water	6020B	69016
705-37212-3	BOW-AP1-FB-01	Total Recoverable	Water	6020B	69016
705-37212-4	BOW-AP1-EB-01	Total Recoverable	Water	6020B	69016
705-37212-5	BOW-AP1-FD-01	Total Recoverable	Water	6020B	69016
MB 705-69016/1-A	Method Blank	Total Recoverable	Water	6020B	69016
LCS 705-69016/2-A	Lab Control Sample	Total Recoverable	Water	6020B	69016
705-36845-A-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	69016
705-36845-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	69016

General Chemistry

Analysis Batch: 68788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-1	BOW-PT-02	Total/NA	Water	2320B-2011	
705-37212-2	BOW-PT-04	Total/NA	Water	2320B-2011	
705-37212-5	BOW-AP1-FD-01	Total/NA	Water	2320B-2011	
LCS 705-68788/1	Lab Control Sample	Total/NA	Water	2320B-2011	
705-37008-C-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Analysis Batch: 68847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37212-3	BOW-AP1-FB-01	Total/NA	Water	2320B-2011	
705-37212-4	BOW-AP1-EB-01	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-PT-02
Date Collected: 07/18/25 08:35
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68733	MS	EET ATL	07/18/25 16:08
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69315	DAB	EET ATL	07/21/25 16:49
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:10
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Client Sample ID: BOW-PT-04
Date Collected: 07/18/25 08:25
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68733	MS	EET ATL	07/18/25 16:19
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69315	DAB	EET ATL	07/21/25 16:52
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:12
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Client Sample ID: BOW-AP1-FB-01
Date Collected: 07/18/25 08:40
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	69398	MS	EET ATL	07/22/25 21:59
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69315	DAB	EET ATL	07/21/25 17:00
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:15
Total/NA	Analysis	2320B-2011		1	68847	AH	EET ATL	07/18/25 13:45

Client Sample ID: BOW-AP1-EB-01
Date Collected: 07/18/25 08:45
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	69398	MS	EET ATL	07/22/25 22:11
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69315	DAB	EET ATL	07/21/25 17:03
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:18
Total/NA	Analysis	2320B-2011		1	68847	AH	EET ATL	07/18/25 13:45

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37212-1

Client Sample ID: BOW-AP1-FD-01

Date Collected: 07/18/25 00:00
Date Received: 07/18/25 12:07

Lab Sample ID: 705-37212-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68733	MS	EET ATL	07/18/25 22:47
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69315	DAB	EET ATL	07/21/25 17:06
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:20
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 705-37212-1
Project/Site: Plant Bowen

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Marty Crook
Geosyntec Consultants Inc
1255 Roberts Blvd. NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/11/2025 8:17:15 AM Revision 1

JOB DESCRIPTION

Plant Bowen

JOB NUMBER

705-37216-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
David Fuller, Project Manager
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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-37216-1	BOW-PT-02-WG-202507171610	Water	07/17/25 16:10	07/18/25 12:07	Georgia
705-37216-2	BOW-PT-04-WG-202507171546	Water	07/17/25 15:46	07/18/25 12:07	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Tomlinson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Marty Crook	Phone: 470-636-4740	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			
City: Kennesaw	TAT Requested (days): 2-day TAT			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 678-202-9500(Tel) 678-202-9501(Fax)	Lab Project #: 70504433			
Email: Martin.Crook@geosyntec.com	Lab PO #: _____ / Task 100			
Project Name: Plant Bowen	Project #: GW6581H			
Site:	WO#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2320B - Alkalinity	9056A_ORGFM_28D - Chloride & Sulfate	6010D - Select 6 ICP Metals (B, Ca, Fe, Mg, K, Na)	6020B - Cobalt & Molybdenum	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	D	D	X	
BOW-PT-02	7/17/25	1610	G	WG	N	N	X	X	X	X	2	
BOW-PT-04	7/17/25	1546	G	WG	N	N	X	X	X	X	2	

705-37216 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Task Code: BOW-CCR-CA-20250717**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	7/18/2025 1117	Geosyntec		7/18 11:20AM	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	7/18 12:07PM			7-18-25 1207	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: Co 3.6 #2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-37216-1

Login Number: 37216
List Number: 1
Creator: Tescum, Allyson

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-37216-1

Revision 1
The report being provided is a revision of the original report sent on 7/22/2025. The report is being revised in order to include a narrative comment below about the B qualifier flags for Sodium.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 7/18/2025 12:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 705-69044 and analytical batch 705-69190 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Client Sample ID: BOW-PT-02-WG-202507171610

Lab Sample ID: 705-37216-1

Date Collected: 07/17/25 16:10

Matrix: Water

Date Received: 07/18/25 12:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		50	49	mg/L			07/18/25 22:58	50
Sulfate	85		50	38	mg/L			07/18/25 22:58	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.5		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 13:29	1
Calcium	77		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 13:29	1
Iron	0.48		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 13:29	1
Magnesium	17		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 13:29	1
Potassium	5.1		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 13:29	1
Sodium	73	B	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 13:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0025	J	0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:04	1
Molybdenum	0.044		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	300		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	300		3.0	3.0	mg/L			07/18/25 13:45	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Client Sample ID: BOW-PT-04-WG-202507171546

Lab Sample ID: 705-37216-2

Date Collected: 07/17/25 15:46

Matrix: Water

Date Received: 07/18/25 12:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		50	49	mg/L			07/18/25 23:10	50
Sulfate	83		50	38	mg/L			07/18/25 23:10	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.3		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 13:49	1
Calcium	87		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 13:49	1
Iron	ND		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 13:49	1
Magnesium	15		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 13:49	1
Potassium	5.2		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 13:49	1
Sodium	76	B	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 13:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0017	J	0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 04:07	1
Molybdenum	0.062		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 04:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity (SM 2320B-2011)	310		3.0	3.0	mg/L			07/18/25 13:45	1
Total Alkalinity (SM 2320B-2011)	310		3.0	3.0	mg/L			07/18/25 13:45	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
2320B-2011	Alkalinity, Total	SM	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-68733/122
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.98	mg/L			07/18/25 17:50	1
Sulfate	ND		1.0	0.77	mg/L			07/18/25 17:50	1

Lab Sample ID: LCS 705-68733/123
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.38		mg/L		94	90 - 110		
Sulfate			25.0	23.3		mg/L		93	90 - 110		

Lab Sample ID: 705-37065-B-1 MS
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	27	F1	10.0	34.8	F1	mg/L		78	90 - 110		
Sulfate	2.4		25.0	25.8		mg/L		94	90 - 110		

Lab Sample ID: 705-37065-B-1 MSD
Matrix: Water
Analysis Batch: 68733

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27	F1	10.0	35.1	F1	mg/L		81	90 - 110	1	15
Sulfate	2.4		25.0	26.5		mg/L		96	90 - 110	3	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-69044/1-A
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.026	mg/L		07/21/25 09:30	07/21/25 15:05	1
Calcium	ND		0.10	0.038	mg/L		07/21/25 09:30	07/21/25 15:05	1
Iron	ND		0.10	0.035	mg/L		07/21/25 09:30	07/21/25 15:05	1
Magnesium	ND		0.10	0.036	mg/L		07/21/25 09:30	07/21/25 15:05	1
Potassium	ND		0.50	0.32	mg/L		07/21/25 09:30	07/21/25 15:05	1
Sodium	0.223	J	1.0	0.039	mg/L		07/21/25 09:30	07/21/25 15:05	1

Lab Sample ID: LCS 705-69044/2-A
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69044

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	0.989		mg/L		99	80 - 120		
Calcium			10.0	9.64		mg/L		96	80 - 120		
Iron			10.0	10.0		mg/L		100	80 - 120		
Magnesium			10.0	9.63		mg/L		96	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 705-69044/2-A
Matrix: Water
Analysis Batch: 69190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	10.0	9.94		mg/L		99	80 - 120
Sodium	10.0	10.4		mg/L		104	80 - 120

Lab Sample ID: 705-37216-1 MS
Matrix: Water
Analysis Batch: 69190

Client Sample ID: BOW-PT-02-WG-202507171610
Prep Type: Total/NA
Prep Batch: 69044

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	3.5		1.00	4.48		mg/L		99	75 - 125
Calcium	77		10.0	86.5	4	mg/L		93	75 - 125
Iron	0.48		10.0	9.94		mg/L		95	75 - 125
Magnesium	17		10.0	25.9		mg/L		91	75 - 125
Potassium	5.1		10.0	15.7		mg/L		106	75 - 125
Sodium	73	B	10.0	83.4	4	mg/L		103	75 - 125

Lab Sample ID: 705-37216-1 MSD
Matrix: Water
Analysis Batch: 69190

Client Sample ID: BOW-PT-02-WG-202507171610
Prep Type: Total/NA
Prep Batch: 69044

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	3.5		1.00	4.47		mg/L		98	75 - 125	0	20
Calcium	77		10.0	86.6	4	mg/L		94	75 - 125	0	20
Iron	0.48		10.0	9.92		mg/L		94	75 - 125	0	20
Magnesium	17		10.0	25.9		mg/L		91	75 - 125	0	20
Potassium	5.1		10.0	15.7		mg/L		106	75 - 125	0	20
Sodium	73	B	10.0	83.8	4	mg/L		107	75 - 125	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-69016/1-A
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0050	0.00041	mg/L		07/21/25 07:49	07/22/25 03:21	1
Molybdenum	ND		0.0050	0.00069	mg/L		07/21/25 07:49	07/22/25 03:21	1

Lab Sample ID: LCS 705-69016/2-A
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.110		mg/L		110	80 - 120
Molybdenum	0.100	0.109		mg/L		109	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 705-36845-A-1-B MS
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	ND		0.100	0.107		mg/L		107	75 - 125		
Molybdenum	0.0020	J	0.100	0.110		mg/L		108	75 - 125		

Lab Sample ID: 705-36845-A-1-C MSD
Matrix: Water
Analysis Batch: 69330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 69016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		0.100	0.107		mg/L		107	75 - 125	0	20
Molybdenum	0.0020	J	0.100	0.112		mg/L		110	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 705-68788/1
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bicarbonate Alkalinity			125	124		mg/L		100	90 - 110		
Total Alkalinity			125	124		mg/L		100	90 - 110		

Lab Sample ID: 705-37008-C-1 DU
Matrix: Water
Analysis Batch: 68788

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Bicarbonate Alkalinity	87			84.1		mg/L				4	30
Total Alkalinity	87			84.1		mg/L				4	30

HPLC/IC

Analysis Batch: 68733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-1	BOW-PT-02-WG-202507171610	Total/NA	Water	9056A	
705-37216-2	BOW-PT-04-WG-202507171546	Total/NA	Water	9056A	
MB 705-68733/122	Method Blank	Total/NA	Water	9056A	
LCS 705-68733/123	Lab Control Sample	Total/NA	Water	9056A	
705-37065-B-1 MS	Matrix Spike	Total/NA	Water	9056A	
705-37065-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 69016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-1	BOW-PT-02-WG-202507171610	Total Recoverable	Water	3005A	
705-37216-2	BOW-PT-04-WG-202507171546	Total Recoverable	Water	3005A	
MB 705-69016/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-69016/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-36845-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
705-36845-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 69044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-1	BOW-PT-02-WG-202507171610	Total/NA	Water	3010A	
705-37216-2	BOW-PT-04-WG-202507171546	Total/NA	Water	3010A	
MB 705-69044/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-69044/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-37216-1 MS	BOW-PT-02-WG-202507171610	Total/NA	Water	3010A	
705-37216-1 MSD	BOW-PT-02-WG-202507171610	Total/NA	Water	3010A	

Analysis Batch: 69190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-1	BOW-PT-02-WG-202507171610	Total/NA	Water	6010D	69044
705-37216-2	BOW-PT-04-WG-202507171546	Total/NA	Water	6010D	69044
MB 705-69044/1-A	Method Blank	Total/NA	Water	6010D	69044
LCS 705-69044/2-A	Lab Control Sample	Total/NA	Water	6010D	69044
705-37216-1 MS	BOW-PT-02-WG-202507171610	Total/NA	Water	6010D	69044
705-37216-1 MSD	BOW-PT-02-WG-202507171610	Total/NA	Water	6010D	69044

Analysis Batch: 69330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-1	BOW-PT-02-WG-202507171610	Total Recoverable	Water	6020B	69016
705-37216-2	BOW-PT-04-WG-202507171546	Total Recoverable	Water	6020B	69016
MB 705-69016/1-A	Method Blank	Total Recoverable	Water	6020B	69016
LCS 705-69016/2-A	Lab Control Sample	Total Recoverable	Water	6020B	69016
705-36845-A-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	69016
705-36845-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	69016

General Chemistry

Analysis Batch: 68788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37216-1	BOW-PT-02-WG-202507171610	Total/NA	Water	2320B-2011	
705-37216-2	BOW-PT-04-WG-202507171546	Total/NA	Water	2320B-2011	
LCS 705-68788/1	Lab Control Sample	Total/NA	Water	2320B-2011	

General Chemistry (Continued)

Analysis Batch: 68788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37008-C-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Client Sample ID: BOW-PT-02-WG-202507171610

Lab Sample ID: 705-37216-1

Date Collected: 07/17/25 16:10

Matrix: Water

Date Received: 07/18/25 12:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68733	MS	EET ATL	07/18/25 22:58
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69190	DAB	EET ATL	07/21/25 13:29
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:04
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Client Sample ID: BOW-PT-04-WG-202507171546

Lab Sample ID: 705-37216-2

Date Collected: 07/17/25 15:46

Matrix: Water

Date Received: 07/18/25 12:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		50	68733	MS	EET ATL	07/18/25 23:10
Total/NA	Prep	3010A			69044	BR	EET ATL	07/21/25 09:30
Total/NA	Analysis	6010D		1	69190	DAB	EET ATL	07/21/25 13:49
Total Recoverable	Prep	3005A			69016	SA	EET ATL	07/21/25 07:49
Total Recoverable	Analysis	6020B		1	69330	IF	EET ATL	07/22/25 04:07
Total/NA	Analysis	2320B-2011		1	68788	AH	EET ATL	07/18/25 13:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Bowen

Job ID: 705-37216-1

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 19, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92809483001	**BOW-PT-02**	Water	07/24/25 11:28	07/25/25 12:50
92809483002	**BOW-PT-04**	Water	07/23/25 13:15	07/25/25 12:50
92809483003	**BOW-PT-05**	Water	07/23/25 11:20	07/25/25 12:50
92809483004	**BOW-PT-06**	Water	07/23/25 11:11	07/25/25 12:50
92809483005	**BOW-INW-01**	Water	07/24/25 11:40	07/25/25 12:50
92809483006	**BOW-AP1-FD-01**	Water	07/23/25 00:00	07/25/25 12:50
92809483007	**BOW-AP1-FB-01**	Water	07/24/25 12:43	07/25/25 12:50
92809483008	**BOW-AP1-EB-01**	Water	07/24/25 12:58	07/25/25 12:50

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92809483001	**BOW-PT-02**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483002	**BOW-PT-04**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483003	**BOW-PT-05**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483004	**BOW-PT-06**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483005	**BOW-INW-01**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483006	**BOW-AP1-FD-01**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483007	**BOW-AP1-FB-01**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92809483008	**BOW-AP1-EB-01**	EPA 6020B	SJM	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92809483001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00837	mg/L	0.00200	08/18/25 12:54	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	232	mg/L	5.0	08/06/25 15:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	232	mg/L	5.0	08/06/25 15:36	
SM 2540C-2015	Total Dissolved Solids	1090	mg/L	50.0	07/30/25 10:56	
EPA 300.0 Rev 2.1 1993	Chloride	198	mg/L	5.0	07/27/25 09:25	
EPA 300.0 Rev 2.1 1993	Fluoride	0.40	mg/L	0.10	07/26/25 21:48	
EPA 300.0 Rev 2.1 1993	Sulfate	206	mg/L	5.0	07/27/25 09:25	
EPA 6020B	Barium	0.048	mg/L	0.0050	07/30/25 00:07	1g
EPA 6020B	Boron	6.2	mg/L	2.0	07/29/25 19:15	1g
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	07/30/25 00:07	1g
EPA 6020B	Calcium	195	mg/L	4.0	07/29/25 22:10	1g
EPA 6020B	Cobalt	0.0033J	mg/L	0.0050	07/30/25 00:07	1g
EPA 6020B	Iron	0.093	mg/L	0.040	07/30/25 00:07	1g
EPA 6020B	Magnesium	31.2	mg/L	0.50	07/29/25 22:10	1g
EPA 6020B	Manganese	0.98	mg/L	0.050	07/29/25 22:10	1g
EPA 6020B	Molybdenum	0.056	mg/L	0.010	07/30/25 00:07	1g
EPA 6020B	Potassium	6.6	mg/L	0.40	07/30/25 00:07	1g
EPA 6020B	Selenium	0.0029J	mg/L	0.0050	07/30/25 00:07	1g
EPA 6020B	Sodium	76.4	mg/L	4.0	07/29/25 22:10	1g
EPA 6020B	Thallium	0.00046J	mg/L	0.00050	07/30/25 00:07	1g,CU
92809483002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00588	mg/L	0.00200	08/18/25 14:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	280	mg/L	5.0	08/02/25 10:07	
SM 2320B-2011	Alkalinity, Total as CaCO3	280	mg/L	5.0	08/02/25 10:07	
SM 2540C-2015	Total Dissolved Solids	834	mg/L	50.0	07/28/25 11:36	
EPA 300.0 Rev 2.1 1993	Chloride	131	mg/L	4.0	07/27/25 09:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.36	mg/L	0.10	07/26/25 22:33	
EPA 300.0 Rev 2.1 1993	Sulfate	147	mg/L	4.0	07/27/25 09:39	
EPA 6020B	Arsenic	0.0027	mg/L	0.0020	07/30/25 00:16	1g
EPA 6020B	Barium	0.035	mg/L	0.0050	07/30/25 00:16	1g
EPA 6020B	Boron	4.8	mg/L	2.0	07/29/25 19:25	1g
EPA 6020B	Calcium	110	mg/L	4.0	07/29/25 22:20	1g
EPA 6020B	Cobalt	0.0059	mg/L	0.0050	07/30/25 00:16	1g
EPA 6020B	Iron	0.68	mg/L	0.040	07/30/25 00:16	1g
EPA 6020B	Magnesium	24.4	mg/L	0.050	07/30/25 00:16	1g
EPA 6020B	Manganese	0.42	mg/L	0.050	07/29/25 22:20	1g
EPA 6020B	Molybdenum	0.036	mg/L	0.010	07/30/25 00:16	1g
EPA 6020B	Potassium	5.8	mg/L	0.40	07/30/25 00:16	1g
EPA 6020B	Selenium	0.0013J	mg/L	0.0050	07/30/25 00:16	1g
EPA 6020B	Sodium	120	mg/L	4.0	07/29/25 22:20	1g
EPA 6020B	Thallium	0.00061	mg/L	0.00050	07/30/25 10:56	1g
92809483003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00659	mg/L	0.00200	08/18/25 14:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	177	mg/L	5.0	08/02/25 10:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	177	mg/L	5.0	08/02/25 10:32	M1
SM 2540C-2015	Total Dissolved Solids	1320	mg/L	50.0	07/28/25 11:36	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92809483003	**BOW-PT-05**					
EPA 300.0 Rev 2.1 1993	Chloride	270	mg/L	7.0	07/27/25 09:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.24	mg/L	0.10	07/26/25 22:48	
EPA 300.0 Rev 2.1 1993	Sulfate	252	mg/L	7.0	07/27/25 09:54	
EPA 6020B	Arsenic	0.0078	mg/L	0.0020	07/30/25 00:26	1g
EPA 6020B	Barium	0.060	mg/L	0.0050	07/30/25 00:26	1g
EPA 6020B	Boron	4.9	mg/L	2.0	07/29/25 20:13	1g
EPA 6020B	Calcium	244	mg/L	4.0	07/29/25 22:29	1g
EPA 6020B	Cobalt	0.0097	mg/L	0.0050	07/30/25 00:26	1g
EPA 6020B	Iron	1.9	mg/L	0.040	07/30/25 00:26	1g
EPA 6020B	Magnesium	48.5	mg/L	0.50	07/29/25 22:29	1g
EPA 6020B	Manganese	1.2	mg/L	0.050	07/29/25 22:29	1g
EPA 6020B	Molybdenum	0.025	mg/L	0.010	07/30/25 00:26	1g
EPA 6020B	Potassium	7.2	mg/L	0.40	07/30/25 00:26	1g
EPA 6020B	Selenium	0.0034J	mg/L	0.0050	07/30/25 00:26	1g
EPA 6020B	Sodium	52.0	mg/L	4.0	07/29/25 22:29	1g
EPA 6020B	Thallium	0.00021J	mg/L	0.00050	07/30/25 00:26	1g,CU
92809483004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00582	mg/L	0.00200	08/18/25 14:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	08/02/25 11:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	185	mg/L	5.0	08/02/25 11:03	
SM 2540C-2015	Total Dissolved Solids	2020	mg/L	125	07/28/25 11:36	
EPA 300.0 Rev 2.1 1993	Chloride	482	mg/L	12.0	07/27/25 10:53	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	07/26/25 23:03	
EPA 300.0 Rev 2.1 1993	Sulfate	351	mg/L	12.0	07/27/25 10:53	
EPA 6020B	Antimony	0.00067J	mg/L	0.0020	07/30/25 00:36	1g
EPA 6020B	Arsenic	0.019	mg/L	0.0020	07/30/25 00:36	1g
EPA 6020B	Barium	0.096	mg/L	0.0050	07/30/25 00:36	1g
EPA 6020B	Boron	7.8	mg/L	2.0	07/29/25 20:23	1g
EPA 6020B	Calcium	335	mg/L	20.0	07/29/25 20:23	1g
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	07/30/25 00:36	1g
EPA 6020B	Iron	2.0	mg/L	0.040	07/30/25 00:36	1g
EPA 6020B	Magnesium	80.2	mg/L	0.50	07/29/25 22:39	1g
EPA 6020B	Manganese	1.1	mg/L	0.050	07/29/25 22:39	1g
EPA 6020B	Molybdenum	0.0085J	mg/L	0.010	07/30/25 00:36	1g
EPA 6020B	Potassium	11.6	mg/L	0.40	07/30/25 00:36	1g
EPA 6020B	Selenium	0.0070	mg/L	0.0050	07/30/25 00:36	1g
EPA 6020B	Sodium	96.1	mg/L	4.0	07/29/25 22:39	1g
92809483005	**BOW-INW-01**					
EPA 6020B	Lithium	0.0107	mg/L	0.00200	08/18/25 14:37	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	251	mg/L	5.0	08/06/25 15:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	251	mg/L	5.0	08/06/25 15:44	
SM 2540C-2015	Total Dissolved Solids	1380	mg/L	50.0	07/30/25 10:56	
EPA 300.0 Rev 2.1 1993	Chloride	262	mg/L	7.0	07/27/25 11:07	
EPA 300.0 Rev 2.1 1993	Fluoride	0.41	mg/L	0.10	07/26/25 23:18	
EPA 300.0 Rev 2.1 1993	Sulfate	256	mg/L	7.0	07/27/25 11:07	
EPA 6020B	Barium	0.074	mg/L	0.0050	07/30/25 00:46	1g

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SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92809483005	**BOW-INW-01**					
EPA 6020B	Boron	7.0	mg/L	2.0	07/29/25 20:33	1g,M1
EPA 6020B	Calcium	243	mg/L	4.0	07/29/25 22:49	1g,M1
EPA 6020B	Cobalt	0.0046J	mg/L	0.0050	07/30/25 00:46	1g
EPA 6020B	Iron	0.45	mg/L	0.040	07/30/25 00:46	1g
EPA 6020B	Magnesium	36.8	mg/L	0.50	07/29/25 22:49	1g,M1
EPA 6020B	Manganese	1.5	mg/L	0.050	07/29/25 22:49	1g,M1
EPA 6020B	Molybdenum	0.058	mg/L	0.010	07/30/25 00:46	1g
EPA 6020B	Potassium	8.0	mg/L	0.40	07/30/25 00:46	1g,M1
EPA 6020B	Selenium	0.0032J	mg/L	0.0050	07/30/25 00:46	1g
EPA 6020B	Sodium	86.8	mg/L	4.0	07/29/25 22:49	1g,M1
EPA 6020B	Thallium	0.00025J	mg/L	0.00050	07/30/25 00:46	1g,CU
92809483006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00660	mg/L	0.00200	08/18/25 14:40	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	255	mg/L	5.0	08/02/25 11:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	255	mg/L	5.0	08/02/25 11:13	
SM 2540C-2015	Total Dissolved Solids	804	mg/L	50.0	07/29/25 12:28	
EPA 300.0 Rev 2.1 1993	Chloride	132	mg/L	4.0	07/27/25 11:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.36	mg/L	0.10	07/26/25 23:32	
EPA 300.0 Rev 2.1 1993	Sulfate	147	mg/L	4.0	07/27/25 11:22	
EPA 6020B	Arsenic	0.0027	mg/L	0.0020	07/30/25 01:34	1g
EPA 6020B	Barium	0.035	mg/L	0.0050	07/30/25 01:34	1g
EPA 6020B	Boron	4.7	mg/L	2.0	07/29/25 21:21	1g
EPA 6020B	Calcium	119	mg/L	4.0	07/29/25 23:38	1g
EPA 6020B	Cobalt	0.0059	mg/L	0.0050	07/30/25 01:34	1g
EPA 6020B	Iron	0.70	mg/L	0.040	07/30/25 01:34	1g
EPA 6020B	Magnesium	24.7	mg/L	0.050	07/30/25 01:34	1g
EPA 6020B	Manganese	0.36	mg/L	0.050	07/29/25 23:38	1g
EPA 6020B	Molybdenum	0.037	mg/L	0.010	07/30/25 01:34	1g
EPA 6020B	Potassium	5.5	mg/L	0.40	07/30/25 01:34	1g
EPA 6020B	Selenium	0.0013J	mg/L	0.0050	07/30/25 01:34	1g
EPA 6020B	Sodium	104	mg/L	4.0	07/29/25 23:38	1g
EPA 6020B	Thallium	0.00063	mg/L	0.00050	07/30/25 11:01	1g

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-02 **Lab ID: 92809483001** Collected: 07/24/25 11:28 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00837**	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 12:54	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**232**	mg/L	5.0	5.0	1		08/06/25 15:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/06/25 15:36		
Alkalinity, Total as CaCO3	**232**	mg/L	5.0	5.0	1		08/06/25 15:36		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1090**	mg/L	50.0	50.0	1		07/30/25 10:56		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/28/25 19:25	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**198**	mg/L	5.0	3.0	5		07/27/25 09:25	16887-00-6	
Fluoride	**0.40**	mg/L	0.10	0.050	1		07/26/25 21:48	16984-48-8	
Sulfate	**206**	mg/L	5.0	2.5	5		07/27/25 09:25	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/30/25 00:07	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/30/25 00:07	7440-38-2	1g
Barium	**0.048**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:07	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/30/25 00:07	7440-41-7	1g
Boron	**6.2**	mg/L	2.0	0.31	50	07/28/25 18:57	07/29/25 19:15	7440-42-8	1g
Cadmium	**0.00014J**	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/30/25 00:07	7440-43-9	1g
Calcium	**195**	mg/L	4.0	1.0	10	07/28/25 18:57	07/29/25 22:10	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:07	7440-47-3	1g
Cobalt	**0.0033J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:07	7440-48-4	1g
Iron	**0.093**	mg/L	0.040	0.012	1	07/28/25 18:57	07/30/25 00:07	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/30/25 00:07	7439-92-1	1g
Magnesium	**31.2**	mg/L	0.50	0.10	10	07/28/25 18:57	07/29/25 22:10	7439-95-4	1g
Manganese	**0.98**	mg/L	0.050	0.012	10	07/28/25 18:57	07/29/25 22:10	7439-96-5	1g
Molybdenum	**0.056**	mg/L	0.010	0.0025	1	07/28/25 18:57	07/30/25 00:07	7439-98-7	1g
Potassium	**6.6**	mg/L	0.40	0.10	1	07/28/25 18:57	07/30/25 00:07	7440-09-7	1g
Selenium	**0.0029J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:07	7782-49-2	1g
Sodium	**76.4**	mg/L	4.0	1.5	10	07/28/25 18:57	07/29/25 22:10	7440-23-5	1g
Thallium	**0.00046J**	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/30/25 00:07	7440-28-0	1g,CU

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-02 **Lab ID: 92809483001** Collected: 07/24/25 11:28 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 22:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-04 **Lab ID: 92809483002** Collected: 07/23/25 13:15 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00588**	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 14:27	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**280**	mg/L	5.0	5.0	1		08/02/25 10:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/02/25 10:07		
Alkalinity, Total as CaCO3	**280**	mg/L	5.0	5.0	1		08/02/25 10:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**834**	mg/L	50.0	50.0	1		07/28/25 11:36		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/28/25 19:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**131**	mg/L	4.0	2.4	4		07/27/25 09:39	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	0.050	1		07/26/25 22:33	16984-48-8	
Sulfate	**147**	mg/L	4.0	2.0	4		07/27/25 09:39	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/30/25 00:16	7440-36-0	1g
Arsenic	**0.0027**	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/30/25 00:16	7440-38-2	1g
Barium	**0.035**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:16	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/30/25 00:16	7440-41-7	1g
Boron	**4.8**	mg/L	2.0	0.31	50	07/28/25 18:57	07/29/25 19:25	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/30/25 00:16	7440-43-9	1g
Calcium	**110**	mg/L	4.0	1.0	10	07/28/25 18:57	07/29/25 22:20	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:16	7440-47-3	1g
Cobalt	**0.0059**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:16	7440-48-4	1g
Iron	**0.68**	mg/L	0.040	0.012	1	07/28/25 18:57	07/30/25 00:16	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/30/25 00:16	7439-92-1	1g
Magnesium	**24.4**	mg/L	0.050	0.010	1	07/28/25 18:57	07/30/25 00:16	7439-95-4	1g
Manganese	**0.42**	mg/L	0.050	0.012	10	07/28/25 18:57	07/29/25 22:20	7439-96-5	1g
Molybdenum	**0.036**	mg/L	0.010	0.0025	1	07/28/25 18:57	07/30/25 00:16	7439-98-7	1g
Potassium	**5.8**	mg/L	0.40	0.10	1	07/28/25 18:57	07/30/25 00:16	7440-09-7	1g
Selenium	**0.0013J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:16	7782-49-2	1g
Sodium	**120**	mg/L	4.0	1.5	10	07/28/25 18:57	07/29/25 22:20	7440-23-5	1g
Thallium	**0.00061**	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/30/25 10:56	7440-28-0	1g

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-04 **Lab ID: 92809483002** Collected: 07/23/25 13:15 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 22:39	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-05 **Lab ID: 92809483003** Collected: 07/23/25 11:20 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00659**	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 14:30	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**177**	mg/L	5.0	5.0	1		08/02/25 10:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/02/25 10:32		
Alkalinity, Total as CaCO3	**177**	mg/L	5.0	5.0	1		08/02/25 10:32		M1
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1320**	mg/L	50.0	50.0	1		07/28/25 11:36		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/28/25 19:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**270**	mg/L	7.0	4.2	7		07/27/25 09:54	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.050	1		07/26/25 22:48	16984-48-8	
Sulfate	**252**	mg/L	7.0	3.5	7		07/27/25 09:54	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/30/25 00:26	7440-36-0	1g
Arsenic	**0.0078**	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/30/25 00:26	7440-38-2	1g
Barium	**0.060**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:26	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/30/25 00:26	7440-41-7	1g
Boron	**4.9**	mg/L	2.0	0.31	50	07/28/25 18:57	07/29/25 20:13	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/30/25 00:26	7440-43-9	1g
Calcium	**244**	mg/L	4.0	1.0	10	07/28/25 18:57	07/29/25 22:29	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:26	7440-47-3	1g
Cobalt	**0.0097**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:26	7440-48-4	1g
Iron	**1.9**	mg/L	0.040	0.012	1	07/28/25 18:57	07/30/25 00:26	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/30/25 00:26	7439-92-1	1g
Magnesium	**48.5**	mg/L	0.50	0.10	10	07/28/25 18:57	07/29/25 22:29	7439-95-4	1g
Manganese	**1.2**	mg/L	0.050	0.012	10	07/28/25 18:57	07/29/25 22:29	7439-96-5	1g
Molybdenum	**0.025**	mg/L	0.010	0.0025	1	07/28/25 18:57	07/30/25 00:26	7439-98-7	1g
Potassium	**7.2**	mg/L	0.40	0.10	1	07/28/25 18:57	07/30/25 00:26	7440-09-7	1g
Selenium	**0.0034J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:26	7782-49-2	1g
Sodium	**52.0**	mg/L	4.0	1.5	10	07/28/25 18:57	07/29/25 22:29	7440-23-5	1g
Thallium	**0.00021J**	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/30/25 00:26	7440-28-0	1g,CU

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-05 **Lab ID: 92809483003** Collected: 07/23/25 11:20 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 22:42	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-06 **Lab ID: 92809483004** Collected: 07/23/25 11:11 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00582**	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 14:34	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**185**	mg/L	5.0	5.0	1		08/02/25 11:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/02/25 11:03		
Alkalinity, Total as CaCO3	**185**	mg/L	5.0	5.0	1		08/02/25 11:03		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2020**	mg/L	125	125	1		07/28/25 11:36		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/28/25 19:24	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**482**	mg/L	12.0	7.2	12		07/27/25 10:53	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		07/26/25 23:03	16984-48-8	
Sulfate	**351**	mg/L	12.0	6.0	12		07/27/25 10:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00067J**	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/30/25 00:36	7440-36-0	1g
Arsenic	**0.019**	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/30/25 00:36	7440-38-2	1g
Barium	**0.096**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:36	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/30/25 00:36	7440-41-7	1g
Boron	**7.8**	mg/L	2.0	0.31	50	07/28/25 18:57	07/29/25 20:23	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/30/25 00:36	7440-43-9	1g
Calcium	**335**	mg/L	20.0	5.0	50	07/28/25 18:57	07/29/25 20:23	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:36	7440-47-3	1g
Cobalt	**0.0026J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:36	7440-48-4	1g
Iron	**2.0**	mg/L	0.040	0.012	1	07/28/25 18:57	07/30/25 00:36	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/30/25 00:36	7439-92-1	1g
Magnesium	**80.2**	mg/L	0.50	0.10	10	07/28/25 18:57	07/29/25 22:39	7439-95-4	1g
Manganese	**1.1**	mg/L	0.050	0.012	10	07/28/25 18:57	07/29/25 22:39	7439-96-5	1g
Molybdenum	**0.0085J**	mg/L	0.010	0.0025	1	07/28/25 18:57	07/30/25 00:36	7439-98-7	1g
Potassium	**11.6**	mg/L	0.40	0.10	1	07/28/25 18:57	07/30/25 00:36	7440-09-7	1g
Selenium	**0.0070**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:36	7782-49-2	1g
Sodium	**96.1**	mg/L	4.0	1.5	10	07/28/25 18:57	07/29/25 22:39	7440-23-5	1g
Thallium	ND	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/30/25 00:36	7440-28-0	1g,CU

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-PT-06 **Lab ID: 92809483004** Collected: 07/23/25 11:11 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 22:44	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-INW-01 **Lab ID: 92809483005** Collected: 07/24/25 11:40 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0107**	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 14:37	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**251**	mg/L	5.0	5.0	1		08/06/25 15:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/06/25 15:44		
Alkalinity, Total as CaCO3	**251**	mg/L	5.0	5.0	1		08/06/25 15:44		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1380**	mg/L	50.0	50.0	1		07/30/25 10:56		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/29/25 19:11	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**262**	mg/L	7.0	4.2	7		07/27/25 11:07	16887-00-6	
Fluoride	**0.41**	mg/L	0.10	0.050	1		07/26/25 23:18	16984-48-8	
Sulfate	**256**	mg/L	7.0	3.5	7		07/27/25 11:07	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/30/25 00:46	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/30/25 00:46	7440-38-2	1g
Barium	**0.074**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:46	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/30/25 00:46	7440-41-7	1g
Boron	**7.0**	mg/L	2.0	0.31	50	07/28/25 18:57	07/29/25 20:33	7440-42-8	1g,M1
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/30/25 00:46	7440-43-9	1g
Calcium	**243**	mg/L	4.0	1.0	10	07/28/25 18:57	07/29/25 22:49	7440-70-2	1g,M1
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:46	7440-47-3	1g
Cobalt	**0.0046J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:46	7440-48-4	1g
Iron	**0.45**	mg/L	0.040	0.012	1	07/28/25 18:57	07/30/25 00:46	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/30/25 00:46	7439-92-1	1g
Magnesium	**36.8**	mg/L	0.50	0.10	10	07/28/25 18:57	07/29/25 22:49	7439-95-4	1g,M1
Manganese	**1.5**	mg/L	0.050	0.012	10	07/28/25 18:57	07/29/25 22:49	7439-96-5	1g,M1
Molybdenum	**0.058**	mg/L	0.010	0.0025	1	07/28/25 18:57	07/30/25 00:46	7439-98-7	1g
Potassium	**8.0**	mg/L	0.40	0.10	1	07/28/25 18:57	07/30/25 00:46	7440-09-7	1g,M1
Selenium	**0.0032J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 00:46	7782-49-2	1g
Sodium	**86.8**	mg/L	4.0	1.5	10	07/28/25 18:57	07/29/25 22:49	7440-23-5	1g,M1
Thallium	**0.00025J**	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/30/25 00:46	7440-28-0	1g,CU

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-INW-01 **Lab ID: 92809483005** Collected: 07/24/25 11:40 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 22:52	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-AP1-FD-01 **Lab ID: 92809483006** Collected: 07/23/25 00:00 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00660**	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 14:40	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**255**	mg/L	5.0	5.0	1		08/02/25 11:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/02/25 11:13		
Alkalinity, Total as CaCO3	**255**	mg/L	5.0	5.0	1		08/02/25 11:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**804**	mg/L	50.0	50.0	1		07/29/25 12:28		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/28/25 19:25	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**132**	mg/L	4.0	2.4	4		07/27/25 11:22	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	0.050	1		07/26/25 23:32	16984-48-8	
Sulfate	**147**	mg/L	4.0	2.0	4		07/27/25 11:22	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/30/25 01:34	7440-36-0	1g
Arsenic	**0.0027**	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/30/25 01:34	7440-38-2	1g
Barium	**0.035**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 01:34	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/30/25 01:34	7440-41-7	1g
Boron	**4.7**	mg/L	2.0	0.31	50	07/28/25 18:57	07/29/25 21:21	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/30/25 01:34	7440-43-9	1g
Calcium	**119**	mg/L	4.0	1.0	10	07/28/25 18:57	07/29/25 23:38	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 01:34	7440-47-3	1g
Cobalt	**0.0059**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 01:34	7440-48-4	1g
Iron	**0.70**	mg/L	0.040	0.012	1	07/28/25 18:57	07/30/25 01:34	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/30/25 01:34	7439-92-1	1g
Magnesium	**24.7**	mg/L	0.050	0.010	1	07/28/25 18:57	07/30/25 01:34	7439-95-4	1g
Manganese	**0.36**	mg/L	0.050	0.012	10	07/28/25 18:57	07/29/25 23:38	7439-96-5	1g
Molybdenum	**0.037**	mg/L	0.010	0.0025	1	07/28/25 18:57	07/30/25 01:34	7439-98-7	1g
Potassium	**5.5**	mg/L	0.40	0.10	1	07/28/25 18:57	07/30/25 01:34	7440-09-7	1g
Selenium	**0.0013J**	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/30/25 01:34	7782-49-2	1g
Sodium	**104**	mg/L	4.0	1.5	10	07/28/25 18:57	07/29/25 23:38	7440-23-5	1g
Thallium	**0.00063**	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/30/25 11:01	7440-28-0	1g

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-AP1-FD-01 **Lab ID: 92809483006** Collected: 07/23/25 00:00 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 22:55	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-AP1-FB-01 **Lab ID: 92809483007** Collected: 07/24/25 12:43 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 15:03	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/06/25 13:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/06/25 13:13		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/06/25 13:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/30/25 10:56		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/29/25 19:15	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		07/26/25 23:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/26/25 23:47	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		07/26/25 23:47	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/29/25 21:31	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/29/25 21:31	7440-38-2	1g
Barium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:31	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/29/25 21:31	7440-41-7	1g
Boron	ND	mg/L	0.040	0.0062	1	07/28/25 18:57	07/29/25 21:31	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/29/25 21:31	7440-43-9	1g
Calcium	ND	mg/L	0.40	0.10	1	07/28/25 18:57	07/29/25 21:31	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:31	7440-47-3	1g
Cobalt	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:31	7440-48-4	1g
Iron	ND	mg/L	0.040	0.012	1	07/28/25 18:57	07/29/25 21:31	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/29/25 21:31	7439-92-1	1g
Magnesium	ND	mg/L	0.050	0.010	1	07/28/25 18:57	07/29/25 21:31	7439-95-4	1g
Manganese	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:31	7439-96-5	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	07/28/25 18:57	08/07/25 07:48	7439-98-7	1g
Potassium	ND	mg/L	0.40	0.10	1	07/28/25 18:57	07/29/25 21:31	7440-09-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:31	7782-49-2	1g
Sodium	ND	mg/L	0.40	0.15	1	07/28/25 18:57	07/29/25 21:31	7440-23-5	1g
Thallium	ND	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/29/25 21:31	7440-28-0	1g,2g

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-AP1-FB-01 **Lab ID: 92809483007** Collected: 07/24/25 12:43 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 23:02	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-AP1-EB-01 **Lab ID: 92809483008** Collected: 07/24/25 12:58 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/04/25 20:07	08/18/25 15:06	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/06/25 13:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/06/25 13:17		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/06/25 13:17		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/30/25 10:56		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/29/25 19:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		07/27/25 00:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/27/25 00:32	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		07/27/25 00:32	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	07/28/25 18:57	07/29/25 21:41	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	07/28/25 18:57	07/29/25 21:41	7440-38-2	1g
Barium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:41	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	07/28/25 18:57	07/29/25 21:41	7440-41-7	1g
Boron	ND	mg/L	0.040	0.0062	1	07/28/25 18:57	07/29/25 21:41	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	07/28/25 18:57	07/29/25 21:41	7440-43-9	1g
Calcium	ND	mg/L	0.40	0.10	1	07/28/25 18:57	07/29/25 21:41	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:41	7440-47-3	1g
Cobalt	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:41	7440-48-4	1g
Iron	ND	mg/L	0.040	0.012	1	07/28/25 18:57	07/29/25 21:41	7439-89-6	1g
Lead	ND	mg/L	0.0010	0.00025	1	07/28/25 18:57	07/29/25 21:41	7439-92-1	1g
Magnesium	ND	mg/L	0.050	0.010	1	07/28/25 18:57	07/29/25 21:41	7439-95-4	1g
Manganese	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:41	7439-96-5	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	07/28/25 18:57	08/07/25 07:58	7439-98-7	1g
Potassium	ND	mg/L	0.40	0.10	1	07/28/25 18:57	07/29/25 21:41	7440-09-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	07/28/25 18:57	07/29/25 21:41	7782-49-2	1g
Sodium	ND	mg/L	0.40	0.15	1	07/28/25 18:57	07/29/25 21:41	7440-23-5	1g
Thallium	ND	mg/L	0.00050	0.00015	1	07/28/25 18:57	07/29/25 21:41	7440-28-0	1g,2g

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Sample: BOW-AP1-EB-01 **Lab ID: 92809483008** Collected: 07/24/25 12:58 Received: 07/25/25 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	07/30/25 19:40	07/30/25 23:05	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 2568001
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007, 92809483008

METHOD BLANK: R4260190-1 Matrix: Water
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007, 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/18/25 12:48	

LABORATORY CONTROL SAMPLE: R4260190-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0464	92.9	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4260190-4 R4260190-5

Parameter	Units	92809483001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00837	0.0500	0.0500	0.0594	0.0621	102	107	75.0-125	4.46	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.

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 951564
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483002, 92809483003, 92809483004, 92809483006

METHOD BLANK: 4889740 Matrix: Water
Associated Lab Samples: 92809483002, 92809483003, 92809483004, 92809483006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/02/25 09:28	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/02/25 09:28	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/02/25 09:28	

LABORATORY CONTROL SAMPLE: 4889741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4889742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4889743 4889744

Parameter	Units	92809483002 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	280	50	50	333	328	107	95	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4889745 4889746

Parameter	Units	92809483003 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	177	50	50	238	234	121	115	80-120	1	25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 952106 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483001, 92809483005, 92809483007, 92809483008

METHOD BLANK: 4892313 Matrix: Water
Associated Lab Samples: 92809483001, 92809483005, 92809483007, 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/06/25 12:37	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/06/25 12:37	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/06/25 12:37	

LABORATORY CONTROL SAMPLE: 4892314

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: 4892315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.7	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4892316 4892317

Parameter	Units	92809411001 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	16.7	50	50	68.3	68.4	103	103	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4892318 4892319

Parameter	Units	92809411002 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	53.2	50	50	104	103	101	99	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950323 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483002, 92809483003, 92809483004

METHOD BLANK: 4883857 Matrix: Water
Associated Lab Samples: 92809483002, 92809483003, 92809483004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/28/25 11:34	

LABORATORY CONTROL SAMPLE: 4883858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4883859

Parameter	Units	92809122014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	298	297	0	25	

SAMPLE DUPLICATE: 4883860

Parameter	Units	92809438037 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	66.0	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950468
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483006

METHOD BLANK: 4884645 Matrix: Water
Associated Lab Samples: 92809483006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/29/25 12:28	

LABORATORY CONTROL SAMPLE: 4884646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	246	98	90-110	

SAMPLE DUPLICATE: 4884647

Parameter	Units	92809520001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	248	250	1	25	

SAMPLE DUPLICATE: 4884648

Parameter	Units	92809217001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	359	357	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950808 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483001, 92809483005, 92809483007, 92809483008

METHOD BLANK: 4886195 Matrix: Water
Associated Lab Samples: 92809483001, 92809483005, 92809483007, 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/30/25 10:55	

LABORATORY CONTROL SAMPLE: 4886196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4886198

Parameter	Units	92809509001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	131	134	2	25	

SAMPLE DUPLICATE: 4886329

Parameter	Units	92809438040 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	84.0	83.0	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950433 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483006

METHOD BLANK: 4884571 Matrix: Water
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	07/28/25 18:41	

LABORATORY CONTROL SAMPLE: 4884572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.55	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4884575 4884576

Parameter	Units	92809113001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.57	0.51	113	102	80-120	10	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4884601 4884602

Parameter	Units	92809438052 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.53	106	105	80-120	0	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950631
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483005, 92809483007, 92809483008

METHOD BLANK: 4885365 Matrix: Water
Associated Lab Samples: 92809483005, 92809483007, 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	07/29/25 19:07	

LABORATORY CONTROL SAMPLE: 4885366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4885367 4885368

Parameter	Units	92809483005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.51	100	102	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4885369 4885370

Parameter	Units	92809501006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	ND	ND	0	0	80-120		10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950218
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007

METHOD BLANK: 4883593 Matrix: Water
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/26/25 16:37	
Fluoride	mg/L	ND	0.10	0.050	07/26/25 16:37	
Sulfate	mg/L	ND	1.0	0.50	07/26/25 16:37	

LABORATORY CONTROL SAMPLE: 4883594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.2	106	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	50	53.5	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4883595 4883596

Parameter	Units	92809160001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.1	50	50	56.1	55.7	106	105	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	3.5	3.4	139	136	90-110	2	10	M1
Sulfate	mg/L	ND	50	50	53.8	53.1	107	106	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4883597 4883598

Parameter	Units	92809443001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	28.1	50	50	78.8	80.9	101	105	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	108	112	90-110	4	10	M1
Sulfate	mg/L	123	50	50	163	163	79	80	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950220
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92809483008

METHOD BLANK: 4883602 Matrix: Water
Associated Lab Samples: 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/27/25 00:02	
Fluoride	mg/L	ND	0.10	0.050	07/27/25 00:02	
Sulfate	mg/L	ND	1.0	0.50	07/27/25 00:02	

LABORATORY CONTROL SAMPLE: 4883603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.3	107	90-110	
Fluoride	mg/L	2.5	2.7	110	90-110	
Sulfate	mg/L	50	53.7	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4883604 4883605

Parameter	Units	92809483008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	51.1	51.4	102	103	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	106	105	90-110	1	10	
Sulfate	mg/L	ND	50	50	51.2	51.4	102	103	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4883606 4883607

Parameter	Units	92809501010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.0	50	50	69.1	70.1	104	106	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	3.0	3.2	119	125	90-110	5	10	M1
Sulfate	mg/L	0.61J	50	50	53.5	54.3	106	107	90-110	1	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950278
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007, 92809483008

METHOD BLANK: 4883736 Matrix: Water
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007, 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	07/29/25 17:57	1g
Arsenic	mg/L	ND	0.0020	0.0012	07/29/25 17:57	1g
Barium	mg/L	ND	0.0050	0.0012	07/29/25 17:57	1g
Beryllium	mg/L	ND	0.00040	0.00015	07/29/25 17:57	1g
Boron	mg/L	ND	0.040	0.0062	07/29/25 17:57	1g
Cadmium	mg/L	ND	0.00050	0.00012	07/29/25 17:57	1g
Calcium	mg/L	ND	0.40	0.10	07/29/25 17:57	1g
Chromium	mg/L	ND	0.0050	0.0012	07/29/25 17:57	1g
Cobalt	mg/L	ND	0.0050	0.0012	07/29/25 17:57	1g
Iron	mg/L	ND	0.040	0.012	07/29/25 17:57	1g
Lead	mg/L	ND	0.0010	0.00025	07/29/25 17:57	1g
Magnesium	mg/L	ND	0.050	0.010	07/29/25 17:57	1g
Manganese	mg/L	ND	0.0050	0.0012	07/29/25 17:57	1g
Molybdenum	mg/L	ND	0.010	0.0025	07/29/25 17:57	1g
Potassium	mg/L	ND	0.40	0.10	07/29/25 17:57	1g
Selenium	mg/L	ND	0.0050	0.0012	07/29/25 17:57	1g
Sodium	mg/L	ND	0.40	0.15	07/29/25 17:57	1g
Thallium	mg/L	ND	0.00050	0.00015	07/29/25 17:57	1g,4g

LABORATORY CONTROL SAMPLE: 4883737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	1g
Arsenic	mg/L	0.1	0.089	89	80-120	1g
Barium	mg/L	0.1	0.095	95	80-120	1g
Beryllium	mg/L	0.1	0.090	90	80-120	1g
Boron	mg/L	0.1	0.089	89	80-120	1g
Cadmium	mg/L	0.1	0.085	85	80-120	1g
Calcium	mg/L	1	1.0	103	80-120	1g
Chromium	mg/L	0.1	0.095	95	80-120	1g
Cobalt	mg/L	0.1	0.099	99	80-120	1g
Iron	mg/L	1	0.95	95	80-120	1g
Lead	mg/L	0.1	0.095	95	80-120	1g
Magnesium	mg/L	1	0.98	98	80-120	1g
Manganese	mg/L	0.1	0.097	97	80-120	1g
Molybdenum	mg/L	0.1	0.10	102	80-120	1g
Potassium	mg/L	1	1.0	100	80-120	1g

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

LABORATORY CONTROL SAMPLE: 4883737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.083	83	80-120	1g
Sodium	mg/L	1	1.0	104	80-120	1g
Thallium	mg/L	0.1	0.093	93	80-120	1g,3g

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4883738 4883739

Parameter	Units	92809483005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	1	20	1g
Arsenic	mg/L	ND	0.1	0.1	0.089	0.089	88	88	75-125	0	20	1g
Barium	mg/L	0.074	0.1	0.1	0.17	0.17	99	100	75-125	1	20	1g
Beryllium	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	1	20	1g
Boron	mg/L	7.0	0.1	0.1	7.8	7.7	857	727	75-125	2	20	1g,M1
Cadmium	mg/L	ND	0.1	0.1	0.084	0.084	84	84	75-125	0	20	1g
Calcium	mg/L	243	1	1	240	246	-287	267	75-125	2	20	1g,M1
Chromium	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	0	20	1g
Cobalt	mg/L	0.0046J	0.1	0.1	0.096	0.096	91	92	75-125	1	20	1g
Iron	mg/L	0.45	1	1	1.4	1.4	91	91	75-125	0	20	1g
Lead	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	1	20	1g
Magnesium	mg/L	36.8	1	1	35.9	37.6	-82	88	75-125	5	20	1g,M1
Manganese	mg/L	1.5	0.1	0.1	1.5	1.6	-5	67	75-125	5	20	1g,M1
Molybdenum	mg/L	0.058	0.1	0.1	0.16	0.17	106	107	75-125	1	20	1g
Potassium	mg/L	8.0	1	1	8.9	8.7	87	73	75-125	2	20	1g,M1
Selenium	mg/L	0.0032J	0.1	0.1	0.098	0.097	94	94	75-125	0	20	1g
Sodium	mg/L	86.8	1	1	82.7	87.4	-411	61	75-125	6	20	1g,M1
Thallium	mg/L	0.00025J	0.1	0.1	0.10	0.10	101	101	75-125	0	20	1g

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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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

QC Batch: 950623 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007, 92809483008

METHOD BLANK: 4885306 Matrix: Water
Associated Lab Samples: 92809483001, 92809483002, 92809483003, 92809483004, 92809483005, 92809483006, 92809483007, 92809483008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	07/30/25 22:32	

LABORATORY CONTROL SAMPLE: 4885307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0019	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4885308 4885309

Parameter	Units	92809483004 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	0.002	0.002	0.0018	0.0018	89	91	80-120	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

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.

WORKORDER QUALIFIERS

WO: 92809483

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

BATCH QUALIFIERS

Batch: 950746

[1] Cadmium was outside laboratory method acceptance criteria for the ICSA. As per the manufacturer Certificate of Analysis, cadmium is a confirmed trace impurity in the stock standard used to prepare the ICSA working solution, and results have been reported.

ANALYTE QUALIFIERS

1g Cadmium was outside laboratory method acceptance criteria for the ICSA. As per the manufacturer Certificate of Analysis, cadmium is a confirmed trace impurity in the stock standard used to prepare the ICSA working solution, and results have been reported.

2g The same analyte was detected in an associated instrument blank at a concentration above the reporting limit. The analyte concentration in this sample is at least ten times greater than the blank concentration or is below the reporting limit.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

ANALYTE QUALIFIERS

3g	The same analyte was detected in an associated instrument blank at a concentration above the reporting limit. The concentration in the LCS was greater than ten times the concentration in the instrument blank, and the percent recovery was within method acceptance limits.
4g	The same analyte was detected in an associated instrument blank at a concentration above the reporting limit. The concentration in the method blank was below the reporting limit.
CU	The continuing calibration for this analyte is above laboratory acceptance limits. Analyte was not detected above the reporting limit in any of the associated samples.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92809483001	**BOW-PT-02**	3015	2568001	EPA 6020B	2568001
92809483002	**BOW-PT-04**	3015	2568001	EPA 6020B	2568001
92809483003	**BOW-PT-05**	3015	2568001	EPA 6020B	2568001
92809483004	**BOW-PT-06**	3015	2568001	EPA 6020B	2568001
92809483005	**BOW-INW-01**	3015	2568001	EPA 6020B	2568001
92809483006	**BOW-AP1-FD-01**	3015	2568001	EPA 6020B	2568001
92809483007	**BOW-AP1-FB-01**	3015	2568001	EPA 6020B	2568001
92809483008	**BOW-AP1-EB-01**	3015	2568001	EPA 6020B	2568001
92809483001	**BOW-PT-02**	SM 2320B-2011	952106		
92809483002	**BOW-PT-04**	SM 2320B-2011	951564		
92809483003	**BOW-PT-05**	SM 2320B-2011	951564		
92809483004	**BOW-PT-06**	SM 2320B-2011	951564		
92809483005	**BOW-INW-01**	SM 2320B-2011	952106		
92809483006	**BOW-AP1-FD-01**	SM 2320B-2011	951564		
92809483007	**BOW-AP1-FB-01**	SM 2320B-2011	952106		
92809483008	**BOW-AP1-EB-01**	SM 2320B-2011	952106		
92809483001	**BOW-PT-02**	SM 2540C-2015	950808		
92809483002	**BOW-PT-04**	SM 2540C-2015	950323		
92809483003	**BOW-PT-05**	SM 2540C-2015	950323		
92809483004	**BOW-PT-06**	SM 2540C-2015	950323		
92809483005	**BOW-INW-01**	SM 2540C-2015	950808		
92809483006	**BOW-AP1-FD-01**	SM 2540C-2015	950468		
92809483007	**BOW-AP1-FB-01**	SM 2540C-2015	950808		
92809483008	**BOW-AP1-EB-01**	SM 2540C-2015	950808		
92809483001	**BOW-PT-02**	SM 4500-S2D-2011	950433		
92809483002	**BOW-PT-04**	SM 4500-S2D-2011	950433		
92809483003	**BOW-PT-05**	SM 4500-S2D-2011	950433		
92809483004	**BOW-PT-06**	SM 4500-S2D-2011	950433		
92809483005	**BOW-INW-01**	SM 4500-S2D-2011	950631		
92809483006	**BOW-AP1-FD-01**	SM 4500-S2D-2011	950433		
92809483007	**BOW-AP1-FB-01**	SM 4500-S2D-2011	950631		
92809483008	**BOW-AP1-EB-01**	SM 4500-S2D-2011	950631		
92809483001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	950218		
92809483002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	950218		
92809483003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	950218		
92809483004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	950218		
92809483005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	950218		
92809483006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	950218		
92809483007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	950218		
92809483008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	950220		

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1-CA-Post Inj #2-WK1
Pace Project No.: 92809483

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92809483001	**BOW-PT-02**	EPA 3005A	950278	EPA 6020B	950746
92809483002	**BOW-PT-04**	EPA 3005A	950278	EPA 6020B	950746
92809483003	**BOW-PT-05**	EPA 3005A	950278	EPA 6020B	950746
92809483004	**BOW-PT-06**	EPA 3005A	950278	EPA 6020B	950746
92809483005	**BOW-INW-01**	EPA 3005A	950278	EPA 6020B	950746
92809483006	**BOW-AP1-FD-01**	EPA 3005A	950278	EPA 6020B	950746
92809483007	**BOW-AP1-FB-01**	EPA 3005A	950278	EPA 6020B	950746
92809483008	**BOW-AP1-EB-01**	EPA 3005A	950278	EPA 6020B	950746
92809483001	**BOW-PT-02**	EPA 7470A	950623	EPA 7470A	951215
92809483002	**BOW-PT-04**	EPA 7470A	950623	EPA 7470A	951215
92809483003	**BOW-PT-05**	EPA 7470A	950623	EPA 7470A	951215
92809483004	**BOW-PT-06**	EPA 7470A	950623	EPA 7470A	951215
92809483005	**BOW-INW-01**	EPA 7470A	950623	EPA 7470A	951215
92809483006	**BOW-AP1-FD-01**	EPA 7470A	950623	EPA 7470A	951215
92809483007	**BOW-AP1-FB-01**	EPA 7470A	950623	EPA 7470A	951215
92809483008	**BOW-AP1-EB-01**	EPA 7470A	950623	EPA 7470A	951215

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 92809483

92809483

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1 CA Post-injection #2 Week 1	Invoice E-mail: georgiapowerinvolces@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC95642-0004
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size **: 3 2 3 4 3

Identify Container Preservative Type***: 1 1 1 5+6 2

Analysis Requested

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ ~~9859077~~ 3252077

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	Sample Comment	Preservation non-conformance identified for sample
BOW-PT-02	WG	G			7/24/25	1128	6			X	X	X	X	X		
BOW-PT-04	WG	G			7/23/25	1315	6			X	X	X	X	X		
BOW-PT-05	WG	G			7/23/25	1120	6			X	X	X	X	X		
BOW-PT-06	WG	G			7/23/25	1111	6			X	X	X	X	X		
BOW-INW-01	WG	G			7/24/25	1140	6			X	X	X	X	X		
BOW-AP1-FD-01	WG	G			7/23/25	—	6			X	X	X	X	X		
BOW-AP1-FB-01	WQ	G			7/24/25	1243	6			X	X	X	X	X		
BOW-AP1-EB-01	WQ	G			7/24/25	1258	6			X	X	X	X	X		

Additional Instructions from Pace® :

Task Code: BOW-CCR-CA-20250723

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Printed Name: Jay Siewert, Shannon Northen

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	7/25/25 0833	Pace	7/25/25 0833
Relinquished by/Company: (Signature)	Date/Time: 7/25/25 1250	Received by/Company: (Signature)	Date/Time: 7/25/25 1250
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: WO#: 92809483

PM: BV Due Date: 08/08/25

CLIENT: 92-GP-BOWLF

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 7/25/25 (DA)

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.8 **Correction Factor:** Add/Subtract (°C) ~0.1

Cooler Temp Corrected (°C): 1.7

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

***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#:92809483
PM: BV Due Date: 08/08/25
CLIENT: 92-GP-BOWLF

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)
CC																													
1		2	1				2																						
2		2	1				2																						
3		2	1				2																						
4		2	1				2																						
5		2	1				2																						
6		2	1				2																						
7		2	1				2																						
8		2	1				2																						
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.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 15, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2025. 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 - West Columbia

Revision 1: Lead removed from report.

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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Huntersville, NC 28078
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CERTIFICATIONS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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SAMPLE SUMMARY

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810475001	**BOW-PT-02**	Water	07/30/25 11:10	08/01/25 11:06
92810475002	**BOW-PT-04**	Water	07/30/25 14:10	08/01/25 11:06
92810475003	**BOW-PT-05**	Water	07/30/25 12:07	08/01/25 11:06
92810475004	**BOW-PT-06**	Water	07/30/25 14:00	08/01/25 11:06
92810475005	**BOW-INW-01**	Water	07/30/25 12:40	08/01/25 11:06
92810475006	**BOW-AP1-FD-01**	Water	07/30/25 00:00	08/01/25 11:06
92810475007	**BOW-AP1-FB-01**	Water	07/30/25 15:40	08/01/25 11:06
92810475008	**BOW-AP1-EB-01**	Water	07/30/25 15:35	08/01/25 11:06

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92810475001	**BOW-PT-02**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475002	**BOW-PT-04**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475003	**BOW-PT-05**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475004	**BOW-PT-06**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475005	**BOW-INW-01**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475006	**BOW-AP1-FD-01**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475007	**BOW-AP1-FB-01**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8
92810475008	**BOW-AP1-EB-01**	SM 2320B-2011	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	CBP, JJM1	8

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810475001	**BOW-PT-02**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	199	mg/L	5.0	08/07/25 20:15	
SM 2320B-2011	Alkalinity, Total as CaCO3	199	mg/L	5.0	08/07/25 20:15	
EPA 300.0 Rev 2.1 1993	Chloride	262	mg/L	6.0	08/03/25 01:51	
EPA 300.0 Rev 2.1 1993	Sulfate	254	mg/L	6.0	08/03/25 01:51	
EPA 6020B	Boron	7.4	mg/L	2.0	08/06/25 11:40	
EPA 6020B	Calcium	244	mg/L	20.0	08/06/25 11:40	
EPA 6020B	Cobalt	0.0045J	mg/L	0.0050	08/05/25 16:06	
EPA 6020B	Iron	4.6	mg/L	0.040	08/05/25 16:06	
EPA 6020B	Magnesium	37.2	mg/L	0.050	08/05/25 16:06	
EPA 6020B	Molybdenum	0.046	mg/L	0.010	08/05/25 16:06	
EPA 6020B	Potassium	6.9	mg/L	0.40	08/05/25 16:06	
EPA 6020B	Sodium	59.6	mg/L	0.40	08/05/25 16:06	
92810475002	**BOW-PT-04**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	5.0	08/08/25 10:35	
SM 2320B-2011	Alkalinity, Total as CaCO3	263	mg/L	5.0	08/08/25 10:35	
EPA 300.0 Rev 2.1 1993	Chloride	196	mg/L	5.0	08/03/25 02:35	
EPA 300.0 Rev 2.1 1993	Sulfate	209	mg/L	5.0	08/03/25 02:35	
EPA 6020B	Boron	6.2	mg/L	2.0	08/06/25 11:50	
EPA 6020B	Calcium	164	mg/L	20.0	08/06/25 11:50	
EPA 6020B	Cobalt	0.0085	mg/L	0.0050	08/05/25 16:10	
EPA 6020B	Iron	3.6	mg/L	0.040	08/05/25 16:10	
EPA 6020B	Magnesium	33.1	mg/L	0.050	08/05/25 16:10	
EPA 6020B	Molybdenum	0.025	mg/L	0.010	08/05/25 16:10	
EPA 6020B	Potassium	6.3	mg/L	0.40	08/05/25 16:10	
EPA 6020B	Sodium	103	mg/L	20.0	08/06/25 11:50	
92810475003	**BOW-PT-05**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	179	mg/L	5.0	08/07/25 20:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	179	mg/L	5.0	08/07/25 20:36	
EPA 300.0 Rev 2.1 1993	Chloride	259	mg/L	6.0	08/03/25 02:50	
EPA 300.0 Rev 2.1 1993	Sulfate	256	mg/L	6.0	08/03/25 02:50	
EPA 6020B	Boron	7.6	mg/L	2.0	08/06/25 12:01	
EPA 6020B	Calcium	250	mg/L	20.0	08/06/25 12:01	
EPA 6020B	Cobalt	0.010	mg/L	0.0050	08/05/25 16:15	
EPA 6020B	Iron	6.0	mg/L	0.040	08/05/25 16:15	
EPA 6020B	Magnesium	43.7	mg/L	0.050	08/05/25 16:15	
EPA 6020B	Molybdenum	0.023	mg/L	0.010	08/05/25 16:15	
EPA 6020B	Potassium	6.2	mg/L	0.40	08/05/25 16:15	
EPA 6020B	Sodium	42.6	mg/L	0.40	08/05/25 16:15	
92810475004	**BOW-PT-06**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	186	mg/L	5.0	08/07/25 20:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	186	mg/L	5.0	08/07/25 20:55	
EPA 300.0 Rev 2.1 1993	Chloride	508	mg/L	12.0	08/03/25 03:04	M1
EPA 300.0 Rev 2.1 1993	Sulfate	374	mg/L	12.0	08/03/25 03:04	M1
EPA 6020B	Boron	10.2	mg/L	2.0	08/06/25 12:11	
EPA 6020B	Calcium	370	mg/L	20.0	08/06/25 12:11	
EPA 6020B	Cobalt	0.0046J	mg/L	0.0050	08/05/25 16:19	

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SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810475004	**BOW-PT-06**					
EPA 6020B	Iron	9.6	mg/L	0.040	08/05/25 16:19	
EPA 6020B	Magnesium	89.3	mg/L	2.5	08/06/25 12:11	
EPA 6020B	Molybdenum	0.0082J	mg/L	0.010	08/05/25 16:19	
EPA 6020B	Potassium	9.9	mg/L	0.40	08/05/25 16:19	
EPA 6020B	Sodium	91.1	mg/L	20.0	08/06/25 12:11	
92810475005	**BOW-INW-01**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	210	mg/L	5.0	08/07/25 21:06	
SM 2320B-2011	Alkalinity, Total as CaCO3	210	mg/L	5.0	08/07/25 21:06	
EPA 300.0 Rev 2.1 1993	Chloride	331	mg/L	8.0	08/03/25 03:48	
EPA 300.0 Rev 2.1 1993	Sulfate	308	mg/L	8.0	08/03/25 03:48	
EPA 6020B	Boron	9.5	mg/L	2.0	08/06/25 12:21	
EPA 6020B	Calcium	309	mg/L	20.0	08/06/25 12:21	
EPA 6020B	Cobalt	0.0075	mg/L	0.0050	08/05/25 16:23	
EPA 6020B	Iron	6.1	mg/L	0.040	08/05/25 16:23	
EPA 6020B	Magnesium	44.2	mg/L	0.050	08/05/25 16:23	
EPA 6020B	Molybdenum	0.051	mg/L	0.010	08/05/25 16:23	
EPA 6020B	Potassium	8.4	mg/L	0.40	08/05/25 16:23	
EPA 6020B	Sodium	74.6	mg/L	20.0	08/06/25 12:21	
92810475006	**BOW-AP1-FD-01**					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	180	mg/L	5.0	08/07/25 21:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	180	mg/L	5.0	08/07/25 21:19	
EPA 300.0 Rev 2.1 1993	Chloride	260	mg/L	6.0	08/03/25 04:03	
EPA 300.0 Rev 2.1 1993	Sulfate	257	mg/L	6.0	08/03/25 04:03	
EPA 6020B	Boron	7.9	mg/L	2.0	08/06/25 12:31	
EPA 6020B	Calcium	247	mg/L	20.0	08/06/25 12:31	
EPA 6020B	Cobalt	0.010	mg/L	0.0050	08/05/25 16:28	
EPA 6020B	Iron	5.8	mg/L	0.040	08/05/25 16:28	
EPA 6020B	Magnesium	45.2	mg/L	0.050	08/05/25 16:28	
EPA 6020B	Molybdenum	0.023	mg/L	0.010	08/05/25 16:28	
EPA 6020B	Potassium	6.2	mg/L	0.40	08/05/25 16:28	
EPA 6020B	Sodium	43.6	mg/L	0.40	08/05/25 16:28	
92810475007	**BOW-AP1-FB-01**					
EPA 6020B	Calcium	0.25J	mg/L	0.40	08/05/25 16:32	
EPA 6020B	Magnesium	0.012J	mg/L	0.050	08/05/25 16:32	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-PT-02 **Lab ID: 92810475001** Collected: 07/30/25 11:10 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**199**	mg/L	5.0	5.0	1		08/07/25 20:15		
Alkalinity, Total as CaCO3	**199**	mg/L	5.0	5.0	1		08/07/25 20:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**262**	mg/L	6.0	3.6	6		08/03/25 01:51	16887-00-6	
Sulfate	**254**	mg/L	6.0	3.0	6		08/03/25 01:51	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.4**	mg/L	2.0	0.31	50	08/04/25 19:25	08/06/25 11:40	7440-42-8	
Calcium	**244**	mg/L	20.0	5.0	50	08/04/25 19:25	08/06/25 11:40	7440-70-2	
Cobalt	**0.0045J**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:06	7440-48-4	
Iron	**4.6**	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:06	7439-89-6	
Magnesium	**37.2**	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:06	7439-95-4	
Molybdenum	**0.046**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:06	7439-98-7	
Potassium	**6.9**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:06	7440-09-7	
Sodium	**59.6**	mg/L	0.40	0.15	1	08/04/25 19:25	08/05/25 16:06	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-PT-04 **Lab ID: 92810475002** Collected: 07/30/25 14:10 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	5.0	5.0	1		08/08/25 10:35		
Alkalinity, Total as CaCO3	**263**	mg/L	5.0	5.0	1		08/08/25 10:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**196**	mg/L	5.0	3.0	5		08/03/25 02:35	16887-00-6	
Sulfate	**209**	mg/L	5.0	2.5	5		08/03/25 02:35	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**6.2**	mg/L	2.0	0.31	50	08/04/25 19:25	08/06/25 11:50	7440-42-8	
Calcium	**164**	mg/L	20.0	5.0	50	08/04/25 19:25	08/06/25 11:50	7440-70-2	
Cobalt	**0.0085**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:10	7440-48-4	
Iron	**3.6**	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:10	7439-89-6	
Magnesium	**33.1**	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:10	7439-95-4	
Molybdenum	**0.025**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:10	7439-98-7	
Potassium	**6.3**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:10	7440-09-7	
Sodium	**103**	mg/L	20.0	7.5	50	08/04/25 19:25	08/06/25 11:50	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-PT-05 **Lab ID: 92810475003** Collected: 07/30/25 12:07 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**179**	mg/L	5.0	5.0	1		08/07/25 20:36		
Alkalinity, Total as CaCO3	**179**	mg/L	5.0	5.0	1		08/07/25 20:36		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**259**	mg/L	6.0	3.6	6		08/03/25 02:50	16887-00-6	
Sulfate	**256**	mg/L	6.0	3.0	6		08/03/25 02:50	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.6**	mg/L	2.0	0.31	50	08/04/25 19:25	08/06/25 12:01	7440-42-8	
Calcium	**250**	mg/L	20.0	5.0	50	08/04/25 19:25	08/06/25 12:01	7440-70-2	
Cobalt	**0.010**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:15	7440-48-4	
Iron	**6.0**	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:15	7439-89-6	
Magnesium	**43.7**	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:15	7439-95-4	
Molybdenum	**0.023**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:15	7439-98-7	
Potassium	**6.2**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:15	7440-09-7	
Sodium	**42.6**	mg/L	0.40	0.15	1	08/04/25 19:25	08/05/25 16:15	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-PT-06 **Lab ID: 92810475004** Collected: 07/30/25 14:00 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**186**	mg/L	5.0	5.0	1		08/07/25 20:55		
Alkalinity, Total as CaCO3	**186**	mg/L	5.0	5.0	1		08/07/25 20:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**508**	mg/L	12.0	7.2	12		08/03/25 03:04	16887-00-6	M1
Sulfate	**374**	mg/L	12.0	6.0	12		08/03/25 03:04	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**10.2**	mg/L	2.0	0.31	50	08/04/25 19:25	08/06/25 12:11	7440-42-8	
Calcium	**370**	mg/L	20.0	5.0	50	08/04/25 19:25	08/06/25 12:11	7440-70-2	
Cobalt	**0.0046J**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:19	7440-48-4	
Iron	**9.6**	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:19	7439-89-6	
Magnesium	**89.3**	mg/L	2.5	0.50	50	08/04/25 19:25	08/06/25 12:11	7439-95-4	
Molybdenum	**0.0082J**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:19	7439-98-7	
Potassium	**9.9**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:19	7440-09-7	
Sodium	**91.1**	mg/L	20.0	7.5	50	08/04/25 19:25	08/06/25 12:11	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-INW-01 **Lab ID: 92810475005** Collected: 07/30/25 12:40 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**210**	mg/L	5.0	5.0	1		08/07/25 21:06		
Alkalinity, Total as CaCO3	**210**	mg/L	5.0	5.0	1		08/07/25 21:06		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**331**	mg/L	8.0	4.8	8		08/03/25 03:48	16887-00-6	
Sulfate	**308**	mg/L	8.0	4.0	8		08/03/25 03:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**9.5**	mg/L	2.0	0.31	50	08/04/25 19:25	08/06/25 12:21	7440-42-8	
Calcium	**309**	mg/L	20.0	5.0	50	08/04/25 19:25	08/06/25 12:21	7440-70-2	
Cobalt	**0.0075**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:23	7440-48-4	
Iron	**6.1**	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:23	7439-89-6	
Magnesium	**44.2**	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:23	7439-95-4	
Molybdenum	**0.051**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:23	7439-98-7	
Potassium	**8.4**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:23	7440-09-7	
Sodium	**74.6**	mg/L	20.0	7.5	50	08/04/25 19:25	08/06/25 12:21	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-AP1-FD-01 **Lab ID: 92810475006** Collected: 07/30/25 00:00 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**180**	mg/L	5.0	5.0	1		08/07/25 21:19		
Alkalinity, Total as CaCO3	**180**	mg/L	5.0	5.0	1		08/07/25 21:19		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**260**	mg/L	6.0	3.6	6		08/03/25 04:03	16887-00-6	
Sulfate	**257**	mg/L	6.0	3.0	6		08/03/25 04:03	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.9**	mg/L	2.0	0.31	50	08/04/25 19:25	08/06/25 12:31	7440-42-8	
Calcium	**247**	mg/L	20.0	5.0	50	08/04/25 19:25	08/06/25 12:31	7440-70-2	
Cobalt	**0.010**	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:28	7440-48-4	
Iron	**5.8**	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:28	7439-89-6	
Magnesium	**45.2**	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:28	7439-95-4	
Molybdenum	**0.023**	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:28	7439-98-7	
Potassium	**6.2**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:28	7440-09-7	
Sodium	**43.6**	mg/L	0.40	0.15	1	08/04/25 19:25	08/05/25 16:28	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-AP1-FB-01 **Lab ID: 92810475007** Collected: 07/30/25 15:40 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/25 21:30		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/07/25 21:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/02/25 13:10	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		08/02/25 13:10	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	ND	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 12:41	7440-42-8	
Calcium	**0.25J**	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:32	7440-70-2	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:32	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:32	7439-89-6	
Magnesium	**0.012J**	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:32	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:32	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:32	7440-09-7	
Sodium	ND	mg/L	0.40	0.15	1	08/04/25 19:25	08/05/25 16:32	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Sample: BOW-AP1-EB-01 **Lab ID: 92810475008** Collected: 07/30/25 15:35 Received: 08/01/25 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/25 22:21		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/07/25 22:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/02/25 13:25	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		08/02/25 13:25	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	ND	mg/L	0.040	0.0062	1	08/04/25 19:25	08/06/25 12:51	7440-42-8	
Calcium	ND	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:36	7440-70-2	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/04/25 19:25	08/05/25 16:36	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	08/04/25 19:25	08/05/25 16:36	7439-89-6	
Magnesium	ND	mg/L	0.050	0.010	1	08/04/25 19:25	08/05/25 16:36	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/04/25 19:25	08/05/25 16:36	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	08/04/25 19:25	08/05/25 16:36	7440-09-7	
Sodium	ND	mg/L	0.40	0.15	1	08/04/25 19:25	08/05/25 16:36	7440-23-5	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

QC Batch: 952645 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810475001, 92810475002, 92810475003, 92810475004, 92810475005, 92810475006, 92810475007

METHOD BLANK: 4895533 Matrix: Water
Associated Lab Samples: 92810475001, 92810475002, 92810475003, 92810475004, 92810475005, 92810475006, 92810475007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/07/25 18:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/07/25 18:42	

LABORATORY CONTROL SAMPLE: 4895534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 4895535

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895536 4895537

Parameter	Units	92810247003 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	13.1	50	50	63.3	63.5	100	101	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895538 4895539

Parameter	Units	92810247004 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	11.8	50	50	62.2	62.3	101	101	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

QC Batch: 952646
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810475008

METHOD BLANK: 4895545 Matrix: Water
Associated Lab Samples: 92810475008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/07/25 22:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/07/25 22:06	

LABORATORY CONTROL SAMPLE: 4895546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

LABORATORY CONTROL SAMPLE: 4895547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895548 4895549

Parameter	Units	92810475008 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	ND	50	50	50.1	50.2	100	100	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895550 4895551

Parameter	Units	92810772004 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	42.6	50	50	91.6	90.8	98	97	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

QC Batch: 951623
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810475001, 92810475002, 92810475003, 92810475004, 92810475005, 92810475006, 92810475007, 92810475008

METHOD BLANK: 4890091 Matrix: Water
Associated Lab Samples: 92810475001, 92810475002, 92810475003, 92810475004, 92810475005, 92810475006, 92810475007, 92810475008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/02/25 16:54	
Sulfate	mg/L	ND	1.0	0.50	08/02/25 16:54	

LABORATORY CONTROL SAMPLE: 4890092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Sulfate	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890093 4890094

Parameter	Units	92810390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	48.3	49.6	95	98	90-110	3	10	
Sulfate	mg/L	1.8	50	50	49.9	51.2	96	99	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890095 4890096

Parameter	Units	92810475004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	508	50	50	539	540	61	63	90-110	0	10	M1
Sulfate	mg/L	374	50	50	409	410	71	73	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

QC Batch: 951689
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810475001, 92810475002, 92810475003, 92810475004, 92810475005, 92810475006, 92810475007, 92810475008

METHOD BLANK: 4890248 Matrix: Water
Associated Lab Samples: 92810475001, 92810475002, 92810475003, 92810475004, 92810475005, 92810475006, 92810475007, 92810475008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.0062	08/06/25 08:58	
Calcium	mg/L	ND	0.40	0.10	08/05/25 15:05	
Cobalt	mg/L	ND	0.0050	0.0012	08/05/25 15:05	
Iron	mg/L	ND	0.040	0.012	08/05/25 15:05	
Magnesium	mg/L	ND	0.050	0.010	08/05/25 15:05	
Molybdenum	mg/L	ND	0.010	0.0025	08/05/25 15:05	
Potassium	mg/L	ND	0.40	0.10	08/05/25 15:05	
Sodium	mg/L	ND	0.40	0.15	08/05/25 15:05	

LABORATORY CONTROL SAMPLE: 4890249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	0.95	95	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Iron	mg/L	1	1.0	100	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Molybdenum	mg/L	0.1	0.098	98	80-120	
Potassium	mg/L	1	0.99	99	80-120	
Sodium	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4890250 4890251

Parameter	Units	92810511001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	9720 ug/L	0.5	0.5	11.0	11.2	251	300	75-125	2	20	M1
Calcium	mg/L	71300 ug/L	5	5	84.0	83.0	254	234	75-125	1	20	M1
Cobalt	mg/L	37.2J ug/L	0.5	0.5	0.53	0.52	98	97	75-125	1	20	
Iron	mg/L	15500 ug/L	5	5	23.1	22.2	151	134	75-125	4	20	M1
Magnesium	mg/L	108000 ug/L	5	5	132	129	476	419	75-125	2	20	M1
Molybdenum	mg/L	ND	0.5	0.5	0.48	0.47	91	90	75-125	1	20	
Potassium	mg/L	416000 ug/L	5	5	472	459	1130	868	75-125	3	20	M1

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QUALIFIERS

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

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.

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TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92810475

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1-CA-Post Inject#2WK2
Pace Project No.: 92810475

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810475001	**BOW-PT-02**	SM 2320B-2011	952645		
92810475002	**BOW-PT-04**	SM 2320B-2011	952645		
92810475003	**BOW-PT-05**	SM 2320B-2011	952645		
92810475004	**BOW-PT-06**	SM 2320B-2011	952645		
92810475005	**BOW-INW-01**	SM 2320B-2011	952645		
92810475006	**BOW-AP1-FD-01**	SM 2320B-2011	952645		
92810475007	**BOW-AP1-FB-01**	SM 2320B-2011	952645		
92810475008	**BOW-AP1-EB-01**	SM 2320B-2011	952646		
92810475001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	951623		
92810475002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	951623		
92810475003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	951623		
92810475004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	951623		
92810475005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	951623		
92810475006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	951623		
92810475007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	951623		
92810475008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	951623		
92810475001	**BOW-PT-02**	EPA 3005A	951689	EPA 6020B	952193
92810475002	**BOW-PT-04**	EPA 3005A	951689	EPA 6020B	952193
92810475003	**BOW-PT-05**	EPA 3005A	951689	EPA 6020B	952193
92810475004	**BOW-PT-06**	EPA 3005A	951689	EPA 6020B	952193
92810475005	**BOW-INW-01**	EPA 3005A	951689	EPA 6020B	952193
92810475006	**BOW-AP1-FD-01**	EPA 3005A	951689	EPA 6020B	952193
92810475007	**BOW-AP1-FB-01**	EPA 3005A	951689	EPA 6020B	952193
92810475008	**BOW-AP1-EB-01**	EPA 3005A	951689	EPA 6020B	952193

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810475

92810475

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1 CA Post-injection #2 Week 2	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC95642-0004
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	300.0-SO_4^{2-}, Cl^-	*Appendix III, IV + Additional Metals	Sample Comment
BOW-PT-02	WG	G			7/30/25	1110	4			X	X	X	
BOW-PT-04	WG	G			7/30/25	1410	4			X	X	X	
BOW-PT-05	WG	G			7/30/25	1207	4			X	X	X	
BOW-PT-06	WG	G			7/30/25	1400	4			X	X	X	
BOW-INW-01	WG	G			7/30/25	1240	4			X	X	X	
BOW-AP1-FD-01	WG	G			7/30/25	—	4			X	X	X	
BOW-AP1-FB-01	WQ	G			7/30/25	1540	4			X	X	X	
BOW-AP1-EB-01	WQ	G			7/30/25	1535	4			X	X	X	

Specify Container Size **: 3 3 3

Identify Container Preservative Type***: 1 1 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3252077

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Task Code: BOW-CCR-CA-20250730
*Appendix III: Boron, Calcium, Chloride, Sulfate
*Appendix IV: Cobalt, Molybdenum
*Additional Metals: Iron, Magnesium, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/1/25 1036		8/1/25 1036	
Relinquished by/Company: (Signature)	8/1/25 1106	Received by/Company: (Signature)	8/1/25 1106	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #: WO#: 92810475
PM: BV Due Date: 08/15/25
CLIENT: 92-GP-BOWLF

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/1/25 ow

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 217

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.3 **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): 4.3

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WQ				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*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#: 92810475

PM: BV Due Date: 08/15/25
CLIENT: 92-GP-BOWLF

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one)_____ Notes_____

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)
CC																														
1		2					2																							
2		2					2																							
3		2					2																							
4		2					2																							
5		2					2																							
6		2					2																							
7		2					2																							
8		2					2																							
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.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 29, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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Huntersville, NC 28078
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CERTIFICATIONS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia
106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92812036001	**BOW-PT-02**	Water	08/06/25 15:35	08/08/25 10:28
92812036002	**BOW-PT-04**	Water	08/06/25 12:20	08/08/25 10:28
92812036003	**BOW-PT-05**	Water	08/07/25 11:10	08/08/25 10:28
92812036004	**BOW-PT-06**	Water	08/07/25 13:00	08/08/25 10:28
92812036005	**BOW-INW-01**	Water	08/06/25 10:35	08/08/25 10:28
92812036006	**BOW-AP1-FD-01**	Water	08/06/25 00:00	08/08/25 10:28
92812036007	**BOW-AP1-FB-01**	Water	08/07/25 16:20	08/08/25 10:28
92812036008	**BOW-AP1-EB-01**	Water	08/07/25 16:30	08/08/25 10:28

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92812036001	**BOW-PT-02**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036002	**BOW-PT-04**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036003	**BOW-PT-05**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	YEG	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036004	**BOW-PT-06**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	YEG	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036005	**BOW-INW-01**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036006	**BOW-AP1-FD-01**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036007	**BOW-AP1-FB-01**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	YEG	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812036008	**BOW-AP1-EB-01**	EPA 6020B	JPD	1	PAN
		SM 2320B-2021	YEG	3	PASI-A
		SM 2540C-2020	YEG	1	PASI-A
		SM 4500-S2D-2021	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, JJM1	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812036001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00943	mg/L	0.00200	08/28/25 14:02	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	08/18/25 18:24	
SM 2320B-2021	Alkalinity, Total as CaCO3	193	mg/L	5.0	08/18/25 18:24	
SM 2540C-2020	Total Dissolved Solids	1360	mg/L	50.0	08/12/25 13:36	
EPA 300.0 Rev 2.1 1993	Chloride	289	mg/L	7.0	08/10/25 14:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.28	mg/L	0.10	08/10/25 06:41	
EPA 300.0 Rev 2.1 1993	Sulfate	271	mg/L	7.0	08/10/25 14:49	
EPA 6020B	Barium	0.044	mg/L	0.0050	08/21/25 17:31	
EPA 6020B	Boron	7.2	mg/L	2.0	08/22/25 05:15	
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	08/21/25 17:31	
EPA 6020B	Calcium	246	mg/L	20.0	08/23/25 07:38	
EPA 6020B	Cobalt	0.0046J	mg/L	0.0050	08/21/25 17:31	
EPA 6020B	Iron	8.1	mg/L	0.040	08/21/25 17:31	
EPA 6020B	Magnesium	38.3	mg/L	0.050	08/21/25 17:31	
EPA 6020B	Manganese	1.1	mg/L	0.25	08/22/25 05:15	
EPA 6020B	Molybdenum	0.043	mg/L	0.010	08/21/25 17:31	
EPA 6020B	Potassium	7.1	mg/L	0.40	08/21/25 17:31	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	08/21/25 17:31	
EPA 6020B	Sodium	48.8	mg/L	0.40	08/21/25 17:31	
EPA 6020B	Thallium	0.00040J	mg/L	0.00050	08/21/25 17:31	
92812036002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00741	mg/L	0.00200	08/28/25 14:05	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	239	mg/L	5.0	08/18/25 18:32	
SM 2320B-2021	Alkalinity, Total as CaCO3	239	mg/L	5.0	08/18/25 18:32	
SM 2540C-2020	Total Dissolved Solids	1140	mg/L	50.0	08/12/25 13:36	
SM 4500-S2D-2021	Sulfide	0.022J	mg/L	0.10	08/11/25 19:43	
EPA 300.0 Rev 2.1 1993	Chloride	215	mg/L	5.0	08/10/25 15:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.23	mg/L	0.10	08/10/25 06:55	
EPA 300.0 Rev 2.1 1993	Sulfate	229	mg/L	5.0	08/10/25 15:03	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0020	08/21/25 17:35	
EPA 6020B	Barium	0.048	mg/L	0.0050	08/21/25 17:35	
EPA 6020B	Boron	6.8	mg/L	2.0	08/22/25 05:24	
EPA 6020B	Calcium	181	mg/L	20.0	08/23/25 07:47	
EPA 6020B	Cobalt	0.0091	mg/L	0.0050	08/21/25 17:35	
EPA 6020B	Iron	5.5	mg/L	0.040	08/21/25 17:35	
EPA 6020B	Magnesium	36.8	mg/L	0.050	08/21/25 17:35	
EPA 6020B	Manganese	0.62	mg/L	0.25	08/22/25 05:24	
EPA 6020B	Molybdenum	0.020	mg/L	0.010	08/21/25 17:35	
EPA 6020B	Potassium	6.3	mg/L	0.40	08/21/25 17:35	
EPA 6020B	Sodium	91.4	mg/L	20.0	08/23/25 07:47	
EPA 6020B	Thallium	0.00070	mg/L	0.00050	08/21/25 17:35	
92812036003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00554	mg/L	0.00200	08/28/25 14:09	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	189	mg/L	5.0	08/18/25 20:47	
SM 2320B-2021	Alkalinity, Total as CaCO3	189	mg/L	5.0	08/18/25 20:47	
SM 2540C-2020	Total Dissolved Solids	1100	mg/L	50.0	08/13/25 11:50	1g

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812036003	**BOW-PT-05**					
EPA 300.0 Rev 2.1 1993	Chloride	218	mg/L	6.0	08/10/25 07:40	
EPA 300.0 Rev 2.1 1993	Fluoride	0.25	mg/L	0.10	08/10/25 00:16	
EPA 300.0 Rev 2.1 1993	Sulfate	230	mg/L	6.0	08/10/25 07:40	
EPA 6020B	Arsenic	0.0026	mg/L	0.0020	08/21/25 17:39	
EPA 6020B	Barium	0.044	mg/L	0.0050	08/21/25 17:39	
EPA 6020B	Boron	7.3	mg/L	2.0	08/22/25 05:32	
EPA 6020B	Calcium	218	mg/L	20.0	08/23/25 07:55	
EPA 6020B	Cobalt	0.0087	mg/L	0.0050	08/21/25 17:39	
EPA 6020B	Iron	8.3	mg/L	0.040	08/21/25 17:39	
EPA 6020B	Magnesium	40.3	mg/L	0.050	08/21/25 17:39	
EPA 6020B	Manganese	1.1	mg/L	0.25	08/22/25 05:32	
EPA 6020B	Molybdenum	0.024	mg/L	0.010	08/21/25 17:39	
EPA 6020B	Potassium	6.0	mg/L	0.40	08/21/25 17:39	
EPA 6020B	Sodium	31.8	mg/L	0.40	08/21/25 17:39	
EPA 6020B	Thallium	0.00021J	mg/L	0.00050	08/21/25 17:39	
EPA 7470A	Mercury	0.00010J	mg/L	0.00020	08/13/25 22:22	
92812036004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00601	mg/L	0.00200	08/28/25 14:12	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	194	mg/L	5.0	08/18/25 20:55	
SM 2320B-2021	Alkalinity, Total as CaCO3	194	mg/L	5.0	08/18/25 20:55	
SM 2540C-2020	Total Dissolved Solids	1870	mg/L	50.0	08/13/25 11:50	2g
EPA 300.0 Rev 2.1 1993	Chloride	479	mg/L	12.0	08/10/25 07:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/10/25 01:01	
EPA 300.0 Rev 2.1 1993	Sulfate	355	mg/L	12.0	08/10/25 07:54	
EPA 6020B	Arsenic	0.0041	mg/L	0.0020	08/21/25 17:42	
EPA 6020B	Barium	0.088	mg/L	0.0050	08/21/25 17:42	
EPA 6020B	Boron	9.7	mg/L	2.0	08/22/25 05:41	
EPA 6020B	Calcium	364	mg/L	20.0	08/23/25 08:04	
EPA 6020B	Cobalt	0.0056	mg/L	0.0050	08/21/25 17:42	
EPA 6020B	Iron	13.5	mg/L	0.040	08/21/25 17:42	
EPA 6020B	Magnesium	91.6	mg/L	2.5	08/23/25 08:04	
EPA 6020B	Manganese	1.0	mg/L	0.25	08/22/25 05:41	
EPA 6020B	Molybdenum	0.0074J	mg/L	0.010	08/21/25 17:42	
EPA 6020B	Potassium	9.0	mg/L	0.40	08/21/25 17:42	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	08/21/25 17:42	
EPA 6020B	Sodium	89.1	mg/L	20.0	08/23/25 08:04	
92812036005	**BOW-INW-01**					
EPA 6020B	Lithium	0.0105	mg/L	0.00200	08/28/25 14:15	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	209	mg/L	5.0	08/18/25 18:40	
SM 2320B-2021	Alkalinity, Total as CaCO3	209	mg/L	5.0	08/18/25 18:40	
SM 2540C-2020	Total Dissolved Solids	1640	mg/L	50.0	08/12/25 13:38	
EPA 300.0 Rev 2.1 1993	Chloride	339	mg/L	9.0	08/10/25 08:09	
EPA 300.0 Rev 2.1 1993	Fluoride	0.36	mg/L	0.10	08/10/25 01:16	
EPA 300.0 Rev 2.1 1993	Sulfate	310	mg/L	9.0	08/10/25 08:09	
EPA 6020B	Barium	0.070	mg/L	0.0050	08/21/25 17:46	
EPA 6020B	Boron	9.6	mg/L	2.0	08/22/25 05:50	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812036005	**BOW-INW-01**					
EPA 6020B	Calcium	309	mg/L	20.0	08/23/25 08:13	
EPA 6020B	Cobalt	0.0086	mg/L	0.0050	08/21/25 17:46	
EPA 6020B	Iron	10.7	mg/L	0.040	08/21/25 17:46	
EPA 6020B	Magnesium	43.8	mg/L	0.050	08/21/25 17:46	
EPA 6020B	Manganese	2.3	mg/L	0.25	08/22/25 05:50	
EPA 6020B	Molybdenum	0.048	mg/L	0.010	08/21/25 17:46	
EPA 6020B	Potassium	8.4	mg/L	0.40	08/21/25 17:46	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	08/21/25 17:46	
EPA 6020B	Sodium	67.6	mg/L	20.0	08/23/25 08:13	
EPA 6020B	Thallium	0.00034J	mg/L	0.00050	08/21/25 17:46	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	08/13/25 22:32	
92812036006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.0104	mg/L	0.00200	08/28/25 14:18	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	5.0	08/18/25 18:48	
SM 2320B-2021	Alkalinity, Total as CaCO3	207	mg/L	5.0	08/18/25 18:48	
SM 2540C-2020	Total Dissolved Solids	1570	mg/L	50.0	08/12/25 13:38	
EPA 300.0 Rev 2.1 1993	Chloride	340	mg/L	9.0	08/10/25 08:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.36	mg/L	0.10	08/10/25 01:31	
EPA 300.0 Rev 2.1 1993	Sulfate	311	mg/L	9.0	08/10/25 08:23	
EPA 6020B	Barium	0.073	mg/L	0.0050	08/21/25 17:50	
EPA 6020B	Boron	9.6	mg/L	2.0	08/22/25 05:58	
EPA 6020B	Calcium	317	mg/L	20.0	08/23/25 08:21	
EPA 6020B	Cobalt	0.0090	mg/L	0.0050	08/21/25 17:50	
EPA 6020B	Iron	11.3	mg/L	0.040	08/21/25 17:50	
EPA 6020B	Magnesium	45.2	mg/L	0.050	08/21/25 17:50	
EPA 6020B	Manganese	2.3	mg/L	0.25	08/22/25 05:58	
EPA 6020B	Molybdenum	0.049	mg/L	0.010	08/21/25 17:50	
EPA 6020B	Potassium	8.4	mg/L	0.40	08/21/25 17:50	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	08/21/25 17:50	
EPA 6020B	Sodium	67.2	mg/L	20.0	08/23/25 08:21	
EPA 6020B	Thallium	0.00033J	mg/L	0.00050	08/21/25 17:50	
EPA 7470A	Mercury	0.00031	mg/L	0.00020	08/13/25 22:35	
92812036007	**BOW-AP1-FB-01**					
EPA 6020B	Calcium	0.20J	mg/L	0.40	08/21/25 17:53	M1
EPA 7470A	Mercury	0.00022	mg/L	0.00020	08/13/25 22:38	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-02 **Lab ID: 92812036001** Collected: 08/06/25 15:35 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00943**	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:02	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**193**	mg/L	5.0	5.0	1		08/18/25 18:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 18:24		
Alkalinity, Total as CaCO3	**193**	mg/L	5.0	5.0	1		08/18/25 18:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1360**	mg/L	50.0	50.0	1		08/12/25 13:36		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**289**	mg/L	7.0	4.2	7		08/10/25 14:49	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.050	1		08/10/25 06:41	16984-48-8	
Sulfate	**271**	mg/L	7.0	3.5	7		08/10/25 14:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/21/25 17:31	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/21/25 17:31	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:31	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/21/25 17:31	7440-41-7	
Boron	**7.2**	mg/L	2.0	0.31	50	08/11/25 20:04	08/22/25 05:15	7440-42-8	
Cadmium	**0.00014J**	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/21/25 17:31	7440-43-9	
Calcium	**246**	mg/L	20.0	5.0	50	08/11/25 20:04	08/23/25 07:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:31	7440-47-3	
Cobalt	**0.0046J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:31	7440-48-4	
Iron	**8.1**	mg/L	0.040	0.012	1	08/11/25 20:04	08/21/25 17:31	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/21/25 17:31	7439-92-1	
Magnesium	**38.3**	mg/L	0.050	0.010	1	08/11/25 20:04	08/21/25 17:31	7439-95-4	
Manganese	**1.1**	mg/L	0.25	0.062	50	08/11/25 20:04	08/22/25 05:15	7439-96-5	
Molybdenum	**0.043**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/21/25 17:31	7439-98-7	
Potassium	**7.1**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:31	7440-09-7	
Selenium	**0.0016J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:31	7782-49-2	
Sodium	**48.8**	mg/L	0.40	0.15	1	08/11/25 20:04	08/21/25 17:31	7440-23-5	
Thallium	**0.00040J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/21/25 17:31	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-02 **Lab ID: 92812036001** Collected: 08/06/25 15:35 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:17	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-04 **Lab ID: 92812036002** Collected: 08/06/25 12:20 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00741**	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:05	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	5.0	5.0	1		08/18/25 18:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 18:32		
Alkalinity, Total as CaCO3	**239**	mg/L	5.0	5.0	1		08/18/25 18:32		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1140**	mg/L	50.0	50.0	1		08/12/25 13:36		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	**0.022J**	mg/L	0.10	0.022	1		08/11/25 19:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**215**	mg/L	5.0	3.0	5		08/10/25 15:03	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.050	1		08/10/25 06:55	16984-48-8	
Sulfate	**229**	mg/L	5.0	2.5	5		08/10/25 15:03	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/21/25 17:35	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/21/25 17:35	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:35	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/21/25 17:35	7440-41-7	
Boron	**6.8**	mg/L	2.0	0.31	50	08/11/25 20:04	08/22/25 05:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/21/25 17:35	7440-43-9	
Calcium	**181**	mg/L	20.0	5.0	50	08/11/25 20:04	08/23/25 07:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:35	7440-47-3	
Cobalt	**0.0091**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:35	7440-48-4	
Iron	**5.5**	mg/L	0.040	0.012	1	08/11/25 20:04	08/21/25 17:35	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/21/25 17:35	7439-92-1	
Magnesium	**36.8**	mg/L	0.050	0.010	1	08/11/25 20:04	08/21/25 17:35	7439-95-4	
Manganese	**0.62**	mg/L	0.25	0.062	50	08/11/25 20:04	08/22/25 05:24	7439-96-5	
Molybdenum	**0.020**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/21/25 17:35	7439-98-7	
Potassium	**6.3**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:35	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:35	7782-49-2	
Sodium	**91.4**	mg/L	20.0	7.5	50	08/11/25 20:04	08/23/25 07:47	7440-23-5	
Thallium	**0.00070**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/21/25 17:35	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-04 **Lab ID: 92812036002** Collected: 08/06/25 12:20 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:20	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-05 **Lab ID: 92812036003** Collected: 08/07/25 11:10 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00554**	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:09	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**189**	mg/L	5.0	5.0	1		08/18/25 20:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 20:47		
Alkalinity, Total as CaCO3	**189**	mg/L	5.0	5.0	1		08/18/25 20:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1100**	mg/L	50.0	50.0	1		08/13/25 11:50		1g
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**218**	mg/L	6.0	3.6	6		08/10/25 07:40	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.050	1		08/10/25 00:16	16984-48-8	
Sulfate	**230**	mg/L	6.0	3.0	6		08/10/25 07:40	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/21/25 17:39	7440-36-0	
Arsenic	**0.0026**	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/21/25 17:39	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:39	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/21/25 17:39	7440-41-7	
Boron	**7.3**	mg/L	2.0	0.31	50	08/11/25 20:04	08/22/25 05:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/21/25 17:39	7440-43-9	
Calcium	**218**	mg/L	20.0	5.0	50	08/11/25 20:04	08/23/25 07:55	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:39	7440-47-3	
Cobalt	**0.0087**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:39	7440-48-4	
Iron	**8.3**	mg/L	0.040	0.012	1	08/11/25 20:04	08/21/25 17:39	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/21/25 17:39	7439-92-1	
Magnesium	**40.3**	mg/L	0.050	0.010	1	08/11/25 20:04	08/21/25 17:39	7439-95-4	
Manganese	**1.1**	mg/L	0.25	0.062	50	08/11/25 20:04	08/22/25 05:32	7439-96-5	
Molybdenum	**0.024**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/21/25 17:39	7439-98-7	
Potassium	**6.0**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:39	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:39	7782-49-2	
Sodium	**31.8**	mg/L	0.40	0.15	1	08/11/25 20:04	08/21/25 17:39	7440-23-5	
Thallium	**0.00021J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/21/25 17:39	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-05 **Lab ID: 92812036003** Collected: 08/07/25 11:10 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00010J**	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:22	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-06 **Lab ID: 92812036004** Collected: 08/07/25 13:00 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00601**	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:12	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**194**	mg/L	5.0	5.0	1		08/18/25 20:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 20:55		
Alkalinity, Total as CaCO3	**194**	mg/L	5.0	5.0	1		08/18/25 20:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1870**	mg/L	50.0	50.0	1		08/13/25 11:50		2g
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**479**	mg/L	12.0	7.2	12		08/10/25 07:54	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.050	1		08/10/25 01:01	16984-48-8	
Sulfate	**355**	mg/L	12.0	6.0	12		08/10/25 07:54	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/21/25 17:42	7440-36-0	
Arsenic	**0.0041**	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/21/25 17:42	7440-38-2	
Barium	**0.088**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:42	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/21/25 17:42	7440-41-7	
Boron	**9.7**	mg/L	2.0	0.31	50	08/11/25 20:04	08/22/25 05:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/21/25 17:42	7440-43-9	
Calcium	**364**	mg/L	20.0	5.0	50	08/11/25 20:04	08/23/25 08:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:42	7440-47-3	
Cobalt	**0.0056**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:42	7440-48-4	
Iron	**13.5**	mg/L	0.040	0.012	1	08/11/25 20:04	08/21/25 17:42	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/21/25 17:42	7439-92-1	
Magnesium	**91.6**	mg/L	2.5	0.50	50	08/11/25 20:04	08/23/25 08:04	7439-95-4	
Manganese	**1.0**	mg/L	0.25	0.062	50	08/11/25 20:04	08/22/25 05:41	7439-96-5	
Molybdenum	**0.0074J**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/21/25 17:42	7439-98-7	
Potassium	**9.0**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:42	7440-09-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:42	7782-49-2	
Sodium	**89.1**	mg/L	20.0	7.5	50	08/11/25 20:04	08/23/25 08:04	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/21/25 17:42	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-PT-06 **Lab ID: 92812036004** Collected: 08/07/25 13:00 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:30	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-INW-01 **Lab ID: 92812036005** Collected: 08/06/25 10:35 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0105**	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:15	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**209**	mg/L	5.0	5.0	1		08/18/25 18:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 18:40		
Alkalinity, Total as CaCO3	**209**	mg/L	5.0	5.0	1		08/18/25 18:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1640**	mg/L	50.0	50.0	1		08/12/25 13:38		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**339**	mg/L	9.0	5.4	9		08/10/25 08:09	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	0.050	1		08/10/25 01:16	16984-48-8	
Sulfate	**310**	mg/L	9.0	4.5	9		08/10/25 08:09	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/21/25 17:46	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/21/25 17:46	7440-38-2	
Barium	**0.070**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:46	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/21/25 17:46	7440-41-7	
Boron	**9.6**	mg/L	2.0	0.31	50	08/11/25 20:04	08/22/25 05:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/21/25 17:46	7440-43-9	
Calcium	**309**	mg/L	20.0	5.0	50	08/11/25 20:04	08/23/25 08:13	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:46	7440-47-3	
Cobalt	**0.0086**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:46	7440-48-4	
Iron	**10.7**	mg/L	0.040	0.012	1	08/11/25 20:04	08/21/25 17:46	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/21/25 17:46	7439-92-1	
Magnesium	**43.8**	mg/L	0.050	0.010	1	08/11/25 20:04	08/21/25 17:46	7439-95-4	
Manganese	**2.3**	mg/L	0.25	0.062	50	08/11/25 20:04	08/22/25 05:50	7439-96-5	
Molybdenum	**0.048**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/21/25 17:46	7439-98-7	
Potassium	**8.4**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:46	7440-09-7	
Selenium	**0.0014J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:46	7782-49-2	
Sodium	**67.6**	mg/L	20.0	7.5	50	08/11/25 20:04	08/23/25 08:13	7440-23-5	
Thallium	**0.00034J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/21/25 17:46	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-INW-01 **Lab ID: 92812036005** Collected: 08/06/25 10:35 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00018J**	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:32	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-AP1-FD-01 **Lab ID: 92812036006** Collected: 08/06/25 00:00 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0104**	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:18	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**207**	mg/L	5.0	5.0	1		08/18/25 18:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 18:48		
Alkalinity, Total as CaCO3	**207**	mg/L	5.0	5.0	1		08/18/25 18:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1570**	mg/L	50.0	50.0	1		08/12/25 13:38		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**340**	mg/L	9.0	5.4	9		08/10/25 08:23	16887-00-6	
Fluoride	**0.36**	mg/L	0.10	0.050	1		08/10/25 01:31	16984-48-8	
Sulfate	**311**	mg/L	9.0	4.5	9		08/10/25 08:23	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/21/25 17:50	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/21/25 17:50	7440-38-2	
Barium	**0.073**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:50	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/21/25 17:50	7440-41-7	
Boron	**9.6**	mg/L	2.0	0.31	50	08/11/25 20:04	08/22/25 05:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/21/25 17:50	7440-43-9	
Calcium	**317**	mg/L	20.0	5.0	50	08/11/25 20:04	08/23/25 08:21	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:50	7440-47-3	
Cobalt	**0.0090**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:50	7440-48-4	
Iron	**11.3**	mg/L	0.040	0.012	1	08/11/25 20:04	08/21/25 17:50	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/21/25 17:50	7439-92-1	
Magnesium	**45.2**	mg/L	0.050	0.010	1	08/11/25 20:04	08/21/25 17:50	7439-95-4	
Manganese	**2.3**	mg/L	0.25	0.062	50	08/11/25 20:04	08/22/25 05:58	7439-96-5	
Molybdenum	**0.049**	mg/L	0.010	0.0025	1	08/11/25 20:04	08/21/25 17:50	7439-98-7	
Potassium	**8.4**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:50	7440-09-7	
Selenium	**0.0017J**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/21/25 17:50	7782-49-2	
Sodium	**67.2**	mg/L	20.0	7.5	50	08/11/25 20:04	08/23/25 08:21	7440-23-5	
Thallium	**0.00033J**	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/21/25 17:50	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-AP1-FD-01 **Lab ID: 92812036006** Collected: 08/06/25 00:00 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00031**	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:35	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-AP1-FB-01 **Lab ID: 92812036007** Collected: 08/07/25 16:20 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:21	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 21:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 21:02		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/18/25 21:02		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/13/25 11:50		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:55	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/09/25 16:36	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/09/25 16:36	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/09/25 16:36	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/22/25 04:06	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/22/25 04:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:06	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/22/25 04:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/22/25 04:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/22/25 04:06	7440-43-9	
Calcium	**0.20J**	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 17:53	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:06	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	08/11/25 20:04	08/22/25 04:06	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/22/25 04:06	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	08/11/25 20:04	08/22/25 04:06	7439-95-4	
Manganese	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:06	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/22/25 04:06	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/22/25 04:06	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:06	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	08/11/25 20:04	08/22/25 04:06	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/22/25 04:06	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-AP1-FB-01 **Lab ID: 92812036007** Collected: 08/07/25 16:20 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00022**	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:38	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-AP1-EB-01 **Lab ID: 92812036008** Collected: 08/07/25 16:30 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/15/25 23:45	08/28/25 14:24	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 21:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/18/25 21:06		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/18/25 21:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/13/25 11:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/11/25 19:56	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/09/25 16:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/09/25 16:51	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/09/25 16:51	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/22/25 04:49	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/22/25 04:49	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:49	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/22/25 04:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/22/25 04:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/22/25 04:49	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/21/25 18:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:49	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	08/11/25 20:04	08/22/25 04:49	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/22/25 04:49	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	08/11/25 20:04	08/22/25 04:49	7439-95-4	
Manganese	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:49	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/22/25 04:49	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/22/25 04:49	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/22/25 04:49	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	08/11/25 20:04	08/22/25 04:49	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/22/25 04:49	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Sample: BOW-AP1-EB-01 **Lab ID: 92812036008** Collected: 08/07/25 16:30 Received: 08/08/25 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/12/25 21:21	08/13/25 22:45	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 2577756
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

METHOD BLANK: R4265538-1 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/28/25 14:34	

LABORATORY CONTROL SAMPLE: R4265538-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0499	99.9	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4265538-4 R4265538-5

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L		0.0500	0.0500	0.0482	0.0478	96.3	95.6	75.0-125	0.783	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 954704
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036001, 92812036002, 92812036005, 92812036006

METHOD BLANK: 4906786 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002, 92812036005, 92812036006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/18/25 16:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/18/25 16:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/18/25 16:45	

LABORATORY CONTROL SAMPLE: 4906787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.3	105	80-120	

LABORATORY CONTROL SAMPLE: 4906788

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906789 4906790

Parameter	Units	92811931002 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	10.5	50	50	44.7	45.5	68	70	80-120	2	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906791 4906792

Parameter	Units	92811931003 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	ND	50	50	22.1	14.9	44	30	80-120	39	25	M1,R1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 954706
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036003, 92812036004, 92812036007, 92812036008

METHOD BLANK: 4906799 Matrix: Water
Associated Lab Samples: 92812036003, 92812036004, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/18/25 19:52	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/18/25 19:52	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/18/25 19:52	

LABORATORY CONTROL SAMPLE: 4906800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

LABORATORY CONTROL SAMPLE: 4906801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906802 4906803

Parameter	Units	92811931004 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	ND	50	50	32.0	33.3	64	67	80-120	4	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906804 4906805

Parameter	Units	92811931005 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	ND	50	50	ND	ND	0	0	80-120		25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953404 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036001, 92812036002, 92812036005, 92812036006

METHOD BLANK: 4899556 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002, 92812036005, 92812036006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/12/25 13:33	

LABORATORY CONTROL SAMPLE: 4899557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4899558

Parameter	Units	92811613002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	110	114	4	25	

SAMPLE DUPLICATE: 4899559

Parameter	Units	92810483024 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	964	1030	6	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953690 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036003, 92812036004, 92812036007, 92812036008

METHOD BLANK: 4901185 Matrix: Water
Associated Lab Samples: 92812036003, 92812036004, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/13/25 11:49	

LABORATORY CONTROL SAMPLE: 4901186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4901187

Parameter	Units	92811951033 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	411	423	3	25	

SAMPLE DUPLICATE: 4901188

Parameter	Units	92810483023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	683	767	12	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953247
QC Batch Method: SM 4500-S2D-2021
Analysis Method: SM 4500-S2D-2021
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

METHOD BLANK: 4898789 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/11/25 19:29	

LABORATORY CONTROL SAMPLE: 4898790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898791 4898792

Parameter	Units	92811978002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.58	0.60	111	115	80-120	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898793 4898794

Parameter	Units	92812036004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.47	0.52	92	102	80-120	10	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953017
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036001, 92812036002

METHOD BLANK: 4897703 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/10/25 00:25	
Fluoride	mg/L	ND	0.10	0.050	08/10/25 00:25	
Sulfate	mg/L	ND	1.0	0.50	08/10/25 00:25	

LABORATORY CONTROL SAMPLE: 4897704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897705 4897706

Parameter	Units	92810483016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.3	50	50	55.8	54.8	101	99	90-110	2	10	
Fluoride	mg/L	0.077J	2.5	2.5	2.5	2.5	97	95	90-110	2	10	
Sulfate	mg/L	56.9	50	50	94.0	93.0	74	72	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897707 4897708

Parameter	Units	92810483026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	418	50	50	453	452	69	69	90-110	0	10	M1
Fluoride	mg/L	0.061J	2.5	2.5	2.5	2.5	97	97	90-110	1	10	
Sulfate	mg/L	205	50	50	245	244	79	78	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953039
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

METHOD BLANK: 4897765 Matrix: Water
Associated Lab Samples: 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/09/25 22:33	
Fluoride	mg/L	ND	0.10	0.050	08/09/25 22:33	
Sulfate	mg/L	ND	1.0	0.50	08/09/25 22:33	

LABORATORY CONTROL SAMPLE: 4897766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.7	105	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	53.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897767 4897768

Parameter	Units	92811971001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	21.7	50	50	77.2	75.3	111	107	90-110	2	10	M1
Fluoride	mg/L	0.080J	2.5	2.5	3.6	3.5	140	135	90-110	3	10	M1
Sulfate	mg/L	ND	50	50	56.9	54.9	113	109	90-110	4	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4897771 4897772

Parameter	Units	92812045001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	144	50	50	183	190	77	91	90-110	4	10	M1
Fluoride	mg/L	0.34	2.5	2.5	3.0	3.1	107	109	90-110	1	10	
Sulfate	mg/L	91.8	50	50	111	115	38	46	90-110	4	10	M1

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953236
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

METHOD BLANK: 4898702 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/22/25 03:49	
Arsenic	mg/L	ND	0.0020	0.0012	08/22/25 03:49	
Barium	mg/L	ND	0.0050	0.0012	08/22/25 03:49	
Beryllium	mg/L	ND	0.00040	0.00015	08/22/25 03:49	
Boron	mg/L	ND	0.040	0.0062	08/22/25 03:49	
Cadmium	mg/L	ND	0.00050	0.00012	08/22/25 03:49	
Calcium	mg/L	ND	0.40	0.10	08/21/25 17:01	
Chromium	mg/L	ND	0.0050	0.0012	08/22/25 03:49	
Cobalt	mg/L	ND	0.0050	0.0012	08/22/25 03:49	
Iron	mg/L	ND	0.040	0.012	08/22/25 03:49	
Lead	mg/L	ND	0.0010	0.00025	08/22/25 03:49	
Magnesium	mg/L	ND	0.050	0.010	08/22/25 03:49	
Manganese	mg/L	ND	0.0050	0.0012	08/22/25 03:49	
Molybdenum	mg/L	ND	0.010	0.0025	08/22/25 03:49	
Potassium	mg/L	ND	0.40	0.10	08/22/25 03:49	
Selenium	mg/L	ND	0.0050	0.0012	08/22/25 03:49	
Sodium	mg/L	ND	0.40	0.15	08/22/25 03:49	
Thallium	mg/L	ND	0.00050	0.00015	08/22/25 03:49	

LABORATORY CONTROL SAMPLE: 4898703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.092	92	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.096	96	80-120	
Cadmium	mg/L	0.1	0.092	92	80-120	
Calcium	mg/L	1	0.90	90	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Iron	mg/L	1	1.0	101	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	0.1	0.10	102	80-120	
Molybdenum	mg/L	0.1	0.092	92	80-120	
Potassium	mg/L	1	0.95	95	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

LABORATORY CONTROL SAMPLE: 4898703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.087	87	80-120	
Sodium	mg/L	1	0.88	88	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898704 4898705

Parameter	Units	92812036007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Barium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20	
Boron	mg/L	ND	0.1	0.1	0.095	0.098	94	98	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	0	20	
Calcium	mg/L	0.20J	1	1	0.89	0.88	69	68	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.097	0.099	96	98	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20	
Iron	mg/L	ND	1	1	0.96	1.0	96	99	75-125	4	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	1	20	
Magnesium	mg/L	ND	1	1	0.95	0.98	95	98	75-125	3	20	
Manganese	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.088	0.088	88	88	75-125	0	20	
Potassium	mg/L	ND	1	1	0.93	0.93	93	93	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	1	20	
Sodium	mg/L	ND	1	1	0.85	0.87	85	87	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

QC Batch: 953243
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

METHOD BLANK: 4898771 Matrix: Water
Associated Lab Samples: 92812036001, 92812036002, 92812036003, 92812036004, 92812036005, 92812036006, 92812036007, 92812036008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/13/25 21:55	

LABORATORY CONTROL SAMPLE: 4898772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0019	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898773 4898774

Parameter	Units	92812036007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00022	0.002	0.002	0.0019	0.0020	84	87	80-120	4	20	

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QUALIFIERS

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

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.

WORKORDER QUALIFIERS

WO: 92812036

[1]	GEOSYNTEC
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

1g	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was 0.0027 g
2g	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was 0.0059 g
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92812036001	**BOW-PT-02**	3015	2577756	EPA 6020B	2577756
92812036002	**BOW-PT-04**	3015	2577756	EPA 6020B	2577756
92812036003	**BOW-PT-05**	3015	2577756	EPA 6020B	2577756
92812036004	**BOW-PT-06**	3015	2577756	EPA 6020B	2577756
92812036005	**BOW-INW-01**	3015	2577756	EPA 6020B	2577756
92812036006	**BOW-AP1-FD-01**	3015	2577756	EPA 6020B	2577756
92812036007	**BOW-AP1-FB-01**	3015	2577756	EPA 6020B	2577756
92812036008	**BOW-AP1-EB-01**	3015	2577756	EPA 6020B	2577756
92812036001	**BOW-PT-02**	SM 2320B-2021	954704		
92812036002	**BOW-PT-04**	SM 2320B-2021	954704		
92812036003	**BOW-PT-05**	SM 2320B-2021	954706		
92812036004	**BOW-PT-06**	SM 2320B-2021	954706		
92812036005	**BOW-INW-01**	SM 2320B-2021	954704		
92812036006	**BOW-AP1-FD-01**	SM 2320B-2021	954704		
92812036007	**BOW-AP1-FB-01**	SM 2320B-2021	954706		
92812036008	**BOW-AP1-EB-01**	SM 2320B-2021	954706		
92812036001	**BOW-PT-02**	SM 2540C-2020	953404		
92812036002	**BOW-PT-04**	SM 2540C-2020	953404		
92812036003	**BOW-PT-05**	SM 2540C-2020	953690		
92812036004	**BOW-PT-06**	SM 2540C-2020	953690		
92812036005	**BOW-INW-01**	SM 2540C-2020	953404		
92812036006	**BOW-AP1-FD-01**	SM 2540C-2020	953404		
92812036007	**BOW-AP1-FB-01**	SM 2540C-2020	953690		
92812036008	**BOW-AP1-EB-01**	SM 2540C-2020	953690		
92812036001	**BOW-PT-02**	SM 4500-S2D-2021	953247		
92812036002	**BOW-PT-04**	SM 4500-S2D-2021	953247		
92812036003	**BOW-PT-05**	SM 4500-S2D-2021	953247		
92812036004	**BOW-PT-06**	SM 4500-S2D-2021	953247		
92812036005	**BOW-INW-01**	SM 4500-S2D-2021	953247		
92812036006	**BOW-AP1-FD-01**	SM 4500-S2D-2021	953247		
92812036007	**BOW-AP1-FB-01**	SM 4500-S2D-2021	953247		
92812036008	**BOW-AP1-EB-01**	SM 4500-S2D-2021	953247		
92812036001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	953017		
92812036002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	953017		
92812036003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	953039		
92812036004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	953039		
92812036005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	953039		
92812036006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	953039		
92812036007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	953039		
92812036008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	953039		
92812036001	**BOW-PT-02**	EPA 3005A	953236	EPA 6020B	955775
92812036002	**BOW-PT-04**	EPA 3005A	953236	EPA 6020B	955775
92812036003	**BOW-PT-05**	EPA 3005A	953236	EPA 6020B	955775

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Post-Inj #2 Wk 3
Pace Project No.: 92812036

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92812036004	**BOW-PT-06**	EPA 3005A	953236	EPA 6020B	955775
92812036005	**BOW-INW-01**	EPA 3005A	953236	EPA 6020B	955775
92812036006	**BOW-AP1-FD-01**	EPA 3005A	953236	EPA 6020B	955775
92812036007	**BOW-AP1-FB-01**	EPA 3005A	953236	EPA 6020B	955775
92812036008	**BOW-AP1-EB-01**	EPA 3005A	953236	EPA 6020B	955775
92812036001	**BOW-PT-02**	EPA 7470A	953243	EPA 7470A	954589
92812036002	**BOW-PT-04**	EPA 7470A	953243	EPA 7470A	954589
92812036003	**BOW-PT-05**	EPA 7470A	953243	EPA 7470A	954589
92812036004	**BOW-PT-06**	EPA 7470A	953243	EPA 7470A	954589
92812036005	**BOW-INW-01**	EPA 7470A	953243	EPA 7470A	954589
92812036006	**BOW-AP1-FD-01**	EPA 7470A	953243	EPA 7470A	954589
92812036007	**BOW-AP1-FB-01**	EPA 7470A	953243	EPA 7470A	954589
92812036008	**BOW-AP1-EB-01**	EPA 7470A	953243	EPA 7470A	954589

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	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GL Power

Project #:

WO#: 92812036

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 5/8 IC C

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: 3.1 Correction Factor: Add/Subtract (°C) 0.0

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?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☐ No	☑ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WW				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)
CC																														
1		2	1				2	1																						
2		2	1				2	1																						
3		2	1				2	1																						
4		2	1				2	1																						
5		2	1				2	1																						
6		2	1				2	1																						
7		2	1				2	1																						
8		2	1				2	1																						
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO#: 92812036

PM: BV Due Date: 08/22/25

CLIENT: 92-GP-BOWLF

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1 CA Post-injection #2 Week 3	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): GPC95642-0004 0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4-2, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals
							3	2	3	4	3			
							Identify Container Preservative Type***							
							1	1	1	5+6	2			
							Analysis Requested							
BOW-PT-02	WG	G			8/6/25	1535	6			X	X	X	X	X
BOW-PT-04	WG	G			8/6/25	1220	6			X	X	X	X	X
BOW-PT-05	WG	G			8/7/25	1110	6			X	X	X	X	X
BOW-PT-06	WG	G			8/7/25	1300	6			X	X	X	X	X
BOW-INW-01	WG	G			8/6/25	1035	6			X	X	X	X	X
BOW-AP1-FD-01	WG	G			8/6/25	—	6			X	X	X	X	X
BOW-AP1-FB-01	WQ	G			8/7/25	1620	6			X	X	X	X	X
BOW-AP1-EB-01	WQ	G			8/7/25	1630	6			X	X	X	X	X

(1) 250mL, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3252077

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Task Code: BOW-CCR-CA-20250806

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: Jay Siewert, Shannon Northen, Natalie Piparo, William Laaker

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
EnSafe	8/8/25 945		8/8/25 0945
	8/8/25 1028		8/8/25 1028

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 09, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2025. 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 - West Columbia

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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Huntersville, NC 28078
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CERTIFICATIONS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia
106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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SAMPLE SUMMARY

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92813443001	**BOW-PT-02**	Water	08/12/25 11:25	08/15/25 15:09
92813443002	**BOW-PT-04**	Water	08/12/25 14:27	08/15/25 15:09
92813443003	**BOW-PT-05**	Water	08/12/25 12:45	08/15/25 15:09
92813443004	**BOW-PT-06**	Water	08/12/25 14:15	08/15/25 15:09
92813443005	**BOW-INW-01**	Water	08/12/25 13:02	08/15/25 15:09
92813443006	**BOW-AP1-FD-01**	Water	08/12/25 00:00	08/15/25 15:09
92813443007	**BOW-AP1-FB-01**	Water	08/12/25 15:20	08/15/25 15:09
92813443008	**BOW-AP1-EB-01**	Water	08/12/25 15:25	08/15/25 15:09

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92813443001	**BOW-PT-02**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443002	**BOW-PT-04**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443003	**BOW-PT-05**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443004	**BOW-PT-06**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443005	**BOW-INW-01**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443006	**BOW-AP1-FD-01**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443007	**BOW-AP1-FB-01**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8
92813443008	**BOW-AP1-EB-01**	SM 2320B-2021	SMS	2
		EPA 300.0 Rev 2.1 1993	JCM	2
		EPA 6020B	BW, CBP	8

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92813443001	**BOW-PT-02**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	180	mg/L	5.0	08/22/25 16:35	
SM 2320B-2021	Alkalinity, Total as CaCO3	180	mg/L	5.0	08/22/25 16:35	
EPA 300.0 Rev 2.1 1993	Chloride	317	mg/L	7.0	08/17/25 05:00	
EPA 300.0 Rev 2.1 1993	Sulfate	287	mg/L	7.0	08/17/25 05:00	
EPA 6020B	Boron	7.9	mg/L	2.0	09/05/25 10:35	M1
EPA 6020B	Calcium	252	mg/L	20.0	09/05/25 10:35	M1
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	09/04/25 22:57	
EPA 6020B	Iron	0.12	mg/L	0.040	09/04/25 22:57	
EPA 6020B	Magnesium	42.9	mg/L	2.5	09/05/25 10:35	M1
EPA 6020B	Molybdenum	0.043	mg/L	0.010	09/04/25 22:57	
EPA 6020B	Potassium	7.8	mg/L	0.40	09/04/25 22:57	M1
EPA 6020B	Sodium	48.1	mg/L	20.0	09/05/25 10:35	M1
92813443002	**BOW-PT-04**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	238	mg/L	5.0	08/23/25 16:37	
SM 2320B-2021	Alkalinity, Total as CaCO3	238	mg/L	5.0	08/23/25 16:37	M1
EPA 300.0 Rev 2.1 1993	Chloride	236	mg/L	5.0	08/17/25 05:15	
EPA 300.0 Rev 2.1 1993	Sulfate	250	mg/L	5.0	08/17/25 05:15	
EPA 6020B	Boron	7.1	mg/L	2.0	09/05/25 11:11	
EPA 6020B	Calcium	176	mg/L	20.0	09/05/25 11:11	
EPA 6020B	Cobalt	0.0075	mg/L	0.0050	09/04/25 23:33	
EPA 6020B	Iron	0.37	mg/L	0.040	09/04/25 23:33	
EPA 6020B	Magnesium	40.9	mg/L	2.5	09/05/25 11:11	
EPA 6020B	Molybdenum	0.020	mg/L	0.010	09/04/25 23:33	
EPA 6020B	Potassium	6.9	mg/L	0.40	09/04/25 23:33	
EPA 6020B	Sodium	81.6	mg/L	20.0	09/05/25 11:11	
92813443003	**BOW-PT-05**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	189	mg/L	5.0	08/22/25 17:03	
SM 2320B-2021	Alkalinity, Total as CaCO3	189	mg/L	5.0	08/22/25 17:03	
EPA 300.0 Rev 2.1 1993	Chloride	244	mg/L	6.0	08/17/25 05:57	
EPA 300.0 Rev 2.1 1993	Sulfate	253	mg/L	6.0	08/17/25 05:57	
EPA 6020B	Boron	7.2	mg/L	2.0	09/05/25 11:18	
EPA 6020B	Calcium	200	mg/L	20.0	09/05/25 11:18	
EPA 6020B	Cobalt	0.0062	mg/L	0.0050	09/04/25 23:41	
EPA 6020B	Iron	1.2	mg/L	0.040	09/04/25 23:41	
EPA 6020B	Magnesium	42.8	mg/L	2.5	09/05/25 11:18	
EPA 6020B	Molybdenum	0.024	mg/L	0.010	09/04/25 23:41	
EPA 6020B	Potassium	6.6	mg/L	0.40	09/04/25 23:41	
EPA 6020B	Sodium	36.5	mg/L	20.0	09/05/25 11:18	
92813443004	**BOW-PT-06**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	187	mg/L	5.0	08/22/25 17:15	
SM 2320B-2021	Alkalinity, Total as CaCO3	187	mg/L	5.0	08/22/25 17:15	
EPA 300.0 Rev 2.1 1993	Chloride	545	mg/L	12.0	08/17/25 06:11	
EPA 300.0 Rev 2.1 1993	Sulfate	399	mg/L	12.0	08/17/25 06:11	
EPA 6020B	Boron	9.8	mg/L	2.0	09/05/25 11:25	
EPA 6020B	Calcium	312	mg/L	20.0	09/05/25 11:25	
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	09/04/25 23:48	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92813443004	**BOW-PT-06**					
EPA 6020B	Iron	1.6	mg/L	0.040	09/04/25 23:48	
EPA 6020B	Magnesium	86.0	mg/L	2.5	09/05/25 11:25	
EPA 6020B	Molybdenum	0.0085J	mg/L	0.010	09/04/25 23:48	
EPA 6020B	Potassium	10.2	mg/L	0.40	09/04/25 23:48	
EPA 6020B	Sodium	85.1	mg/L	20.0	09/05/25 11:25	
92813443005	**BOW-INW-01**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	189	mg/L	5.0	08/22/25 17:27	
SM 2320B-2021	Alkalinity, Total as CaCO3	189	mg/L	5.0	08/22/25 17:27	
EPA 300.0 Rev 2.1 1993	Chloride	396	mg/L	9.0	08/17/25 06:26	
EPA 300.0 Rev 2.1 1993	Sulfate	350	mg/L	9.0	08/17/25 06:26	
EPA 6020B	Boron	9.5	mg/L	2.0	09/05/25 11:47	
EPA 6020B	Calcium	299	mg/L	20.0	09/05/25 11:47	
EPA 6020B	Cobalt	0.0060	mg/L	0.0050	09/05/25 00:09	
EPA 6020B	Iron	0.45	mg/L	0.040	09/05/25 00:09	
EPA 6020B	Magnesium	46.8	mg/L	2.5	09/05/25 11:47	
EPA 6020B	Molybdenum	0.048	mg/L	0.010	09/05/25 00:09	
EPA 6020B	Potassium	9.4	mg/L	0.40	09/05/25 00:09	
EPA 6020B	Sodium	58.8	mg/L	20.0	09/05/25 11:47	
92813443006	**BOW-AP1-FD-01**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	184	mg/L	5.0	08/22/25 17:40	
SM 2320B-2021	Alkalinity, Total as CaCO3	184	mg/L	5.0	08/22/25 17:40	
EPA 300.0 Rev 2.1 1993	Chloride	546	mg/L	12.0	08/17/25 06:40	
EPA 300.0 Rev 2.1 1993	Sulfate	399	mg/L	12.0	08/17/25 06:40	
EPA 6020B	Boron	9.5	mg/L	2.0	09/05/25 11:54	
EPA 6020B	Calcium	335	mg/L	20.0	09/05/25 11:54	
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	09/05/25 00:17	
EPA 6020B	Iron	1.6	mg/L	0.040	09/05/25 00:17	
EPA 6020B	Magnesium	85.8	mg/L	2.5	09/05/25 11:54	
EPA 6020B	Molybdenum	0.0085J	mg/L	0.010	09/05/25 00:17	
EPA 6020B	Potassium	9.7	mg/L	0.40	09/05/25 00:17	
EPA 6020B	Sodium	89.0	mg/L	20.0	09/05/25 11:54	
92813443007	**BOW-AP1-FB-01**					
EPA 6020B	Boron	0.013J	mg/L	0.040	09/05/25 00:24	
92813443008	**BOW-AP1-EB-01**					
EPA 6020B	Boron	0.0073J	mg/L	0.040	09/05/25 00:31	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-PT-02 **Lab ID: 92813443001** Collected: 08/12/25 11:25 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**180**	mg/L	5.0	5.0	1		08/22/25 16:35		
Alkalinity, Total as CaCO3	**180**	mg/L	5.0	5.0	1		08/22/25 16:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**317**	mg/L	7.0	4.2	7		08/17/25 05:00	16887-00-6	
Sulfate	**287**	mg/L	7.0	3.5	7		08/17/25 05:00	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.9**	mg/L	2.0	0.31	50	08/21/25 00:35	09/05/25 10:35	7440-42-8	M1
Calcium	**252**	mg/L	20.0	5.0	50	08/21/25 00:35	09/05/25 10:35	7440-70-2	M1
Cobalt	**0.0027J**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/04/25 22:57	7440-48-4	
Iron	**0.12**	mg/L	0.040	0.012	1	08/21/25 00:35	09/04/25 22:57	7439-89-6	
Magnesium	**42.9**	mg/L	2.5	0.50	50	08/21/25 00:35	09/05/25 10:35	7439-95-4	M1
Molybdenum	**0.043**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/04/25 22:57	7439-98-7	
Potassium	**7.8**	mg/L	0.40	0.10	1	08/21/25 00:35	09/04/25 22:57	7440-09-7	M1
Sodium	**48.1**	mg/L	20.0	7.5	50	08/21/25 00:35	09/05/25 10:35	7440-23-5	M1

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-PT-04 **Lab ID: 92813443002** Collected: 08/12/25 14:27 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**238**	mg/L	5.0	5.0	1		08/23/25 16:37		
Alkalinity, Total as CaCO3	**238**	mg/L	5.0	5.0	1		08/23/25 16:37		M1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**236**	mg/L	5.0	3.0	5		08/17/25 05:15	16887-00-6	
Sulfate	**250**	mg/L	5.0	2.5	5		08/17/25 05:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.1**	mg/L	2.0	0.31	50	08/21/25 00:35	09/05/25 11:11	7440-42-8	
Calcium	**176**	mg/L	20.0	5.0	50	08/21/25 00:35	09/05/25 11:11	7440-70-2	
Cobalt	**0.0075**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/04/25 23:33	7440-48-4	
Iron	**0.37**	mg/L	0.040	0.012	1	08/21/25 00:35	09/04/25 23:33	7439-89-6	
Magnesium	**40.9**	mg/L	2.5	0.50	50	08/21/25 00:35	09/05/25 11:11	7439-95-4	
Molybdenum	**0.020**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/04/25 23:33	7439-98-7	
Potassium	**6.9**	mg/L	0.40	0.10	1	08/21/25 00:35	09/04/25 23:33	7440-09-7	
Sodium	**81.6**	mg/L	20.0	7.5	50	08/21/25 00:35	09/05/25 11:11	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-PT-05 **Lab ID: 92813443003** Collected: 08/12/25 12:45 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**189**	mg/L	5.0	5.0	1		08/22/25 17:03		
Alkalinity, Total as CaCO3	**189**	mg/L	5.0	5.0	1		08/22/25 17:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**244**	mg/L	6.0	3.6	6		08/17/25 05:57	16887-00-6	
Sulfate	**253**	mg/L	6.0	3.0	6		08/17/25 05:57	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.2**	mg/L	2.0	0.31	50	08/21/25 00:35	09/05/25 11:18	7440-42-8	
Calcium	**200**	mg/L	20.0	5.0	50	08/21/25 00:35	09/05/25 11:18	7440-70-2	
Cobalt	**0.0062**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/04/25 23:41	7440-48-4	
Iron	**1.2**	mg/L	0.040	0.012	1	08/21/25 00:35	09/04/25 23:41	7439-89-6	
Magnesium	**42.8**	mg/L	2.5	0.50	50	08/21/25 00:35	09/05/25 11:18	7439-95-4	
Molybdenum	**0.024**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/04/25 23:41	7439-98-7	
Potassium	**6.6**	mg/L	0.40	0.10	1	08/21/25 00:35	09/04/25 23:41	7440-09-7	
Sodium	**36.5**	mg/L	20.0	7.5	50	08/21/25 00:35	09/05/25 11:18	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-PT-06 **Lab ID: 92813443004** Collected: 08/12/25 14:15 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**187**	mg/L	5.0	5.0	1		08/22/25 17:15		
Alkalinity, Total as CaCO3	**187**	mg/L	5.0	5.0	1		08/22/25 17:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**545**	mg/L	12.0	7.2	12		08/17/25 06:11	16887-00-6	
Sulfate	**399**	mg/L	12.0	6.0	12		08/17/25 06:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**9.8**	mg/L	2.0	0.31	50	08/21/25 00:35	09/05/25 11:25	7440-42-8	
Calcium	**312**	mg/L	20.0	5.0	50	08/21/25 00:35	09/05/25 11:25	7440-70-2	
Cobalt	**0.0027J**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/04/25 23:48	7440-48-4	
Iron	**1.6**	mg/L	0.040	0.012	1	08/21/25 00:35	09/04/25 23:48	7439-89-6	
Magnesium	**86.0**	mg/L	2.5	0.50	50	08/21/25 00:35	09/05/25 11:25	7439-95-4	
Molybdenum	**0.0085J**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/04/25 23:48	7439-98-7	
Potassium	**10.2**	mg/L	0.40	0.10	1	08/21/25 00:35	09/04/25 23:48	7440-09-7	
Sodium	**85.1**	mg/L	20.0	7.5	50	08/21/25 00:35	09/05/25 11:25	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-INW-01 **Lab ID: 92813443005** Collected: 08/12/25 13:02 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**189**	mg/L	5.0	5.0	1		08/22/25 17:27		
Alkalinity, Total as CaCO3	**189**	mg/L	5.0	5.0	1		08/22/25 17:27		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**396**	mg/L	9.0	5.4	9		08/17/25 06:26	16887-00-6	
Sulfate	**350**	mg/L	9.0	4.5	9		08/17/25 06:26	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**9.5**	mg/L	2.0	0.31	50	08/21/25 00:35	09/05/25 11:47	7440-42-8	
Calcium	**299**	mg/L	20.0	5.0	50	08/21/25 00:35	09/05/25 11:47	7440-70-2	
Cobalt	**0.0060**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:09	7440-48-4	
Iron	**0.45**	mg/L	0.040	0.012	1	08/21/25 00:35	09/05/25 00:09	7439-89-6	
Magnesium	**46.8**	mg/L	2.5	0.50	50	08/21/25 00:35	09/05/25 11:47	7439-95-4	
Molybdenum	**0.048**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:09	7439-98-7	
Potassium	**9.4**	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 00:09	7440-09-7	
Sodium	**58.8**	mg/L	20.0	7.5	50	08/21/25 00:35	09/05/25 11:47	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-AP1-FD-01 **Lab ID: 92813443006** Collected: 08/12/25 00:00 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**184**	mg/L	5.0	5.0	1		08/22/25 17:40		
Alkalinity, Total as CaCO3	**184**	mg/L	5.0	5.0	1		08/22/25 17:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**546**	mg/L	12.0	7.2	12		08/17/25 06:40	16887-00-6	
Sulfate	**399**	mg/L	12.0	6.0	12		08/17/25 06:40	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**9.5**	mg/L	2.0	0.31	50	08/21/25 00:35	09/05/25 11:54	7440-42-8	
Calcium	**335**	mg/L	20.0	5.0	50	08/21/25 00:35	09/05/25 11:54	7440-70-2	
Cobalt	**0.0027J**	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:17	7440-48-4	
Iron	**1.6**	mg/L	0.040	0.012	1	08/21/25 00:35	09/05/25 00:17	7439-89-6	
Magnesium	**85.8**	mg/L	2.5	0.50	50	08/21/25 00:35	09/05/25 11:54	7439-95-4	
Molybdenum	**0.0085J**	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:17	7439-98-7	
Potassium	**9.7**	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 00:17	7440-09-7	
Sodium	**89.0**	mg/L	20.0	7.5	50	08/21/25 00:35	09/05/25 11:54	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-AP1-FB-01 **Lab ID: 92813443007** Collected: 08/12/25 15:20 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 17:51		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 17:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/16/25 16:15	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		08/16/25 16:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**0.013J**	mg/L	0.040	0.0062	1	08/21/25 00:35	09/05/25 00:24	7440-42-8	
Calcium	ND	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 12:01	7440-70-2	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:24	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	08/21/25 00:35	09/05/25 00:24	7439-89-6	
Magnesium	ND	mg/L	0.050	0.010	1	08/21/25 00:35	09/05/25 00:24	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:24	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 00:24	7440-09-7	
Sodium	ND	mg/L	0.40	0.15	1	08/21/25 00:35	09/05/25 00:24	7440-23-5	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Sample: BOW-AP1-EB-01 **Lab ID: 92813443008** Collected: 08/12/25 15:25 Received: 08/15/25 15:09 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 17:55		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 17:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/16/25 16:30	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		08/16/25 16:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**0.0073J**	mg/L	0.040	0.0062	1	08/21/25 00:35	09/05/25 00:31	7440-42-8	
Calcium	ND	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 12:09	7440-70-2	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/21/25 00:35	09/05/25 00:31	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	08/21/25 00:35	09/05/25 00:31	7439-89-6	
Magnesium	ND	mg/L	0.050	0.010	1	08/21/25 00:35	09/05/25 00:31	7439-95-4	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/21/25 00:35	09/05/25 00:31	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	08/21/25 00:35	09/05/25 00:31	7440-09-7	
Sodium	ND	mg/L	0.40	0.15	1	08/21/25 00:35	09/05/25 00:31	7440-23-5	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

QC Batch: 955537
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813443001, 92813443003, 92813443004, 92813443005, 92813443006, 92813443007, 92813443008

METHOD BLANK: 4911104 Matrix: Water
Associated Lab Samples: 92813443001, 92813443003, 92813443004, 92813443005, 92813443006, 92813443007, 92813443008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/22/25 14:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/22/25 14:43	

LABORATORY CONTROL SAMPLE: 4911105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4911106

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: 4911107 4911108

Parameter	Units	92813927002 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	ND	50	50	51.7	51.5	103	102	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4911109 4911110

Parameter	Units	92813938001 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	44.9	50	50	96.0	94.8	102	100	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

QC Batch: 956055
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813443002

METHOD BLANK: 4913931 Matrix: Water
Associated Lab Samples: 92813443002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/23/25 16:22	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/23/25 16:22	

LABORATORY CONTROL SAMPLE: 4913932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	80-120	

LABORATORY CONTROL SAMPLE: 4913933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4913934 4913935

Parameter	Units	92813443002 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	238	50	50	278	271	80	65	80-120	3	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4913936 4913937

Parameter	Units	92813227001 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	176	50	50	220	220	87	88	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

QC Batch: 954530
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813443001, 92813443002, 92813443003, 92813443004, 92813443005, 92813443006, 92813443007, 92813443008

METHOD BLANK: 4906217 Matrix: Water
Associated Lab Samples: 92813443001, 92813443002, 92813443003, 92813443004, 92813443005, 92813443006, 92813443007, 92813443008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/16/25 15:17	
Sulfate	mg/L	ND	1.0	0.50	08/16/25 15:17	

LABORATORY CONTROL SAMPLE: 4906218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906219 4906220

Parameter	Units	92813493002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.1	50	50	49.8	52.2	97	102	90-110	5	10	
Sulfate	mg/L	2.2	50	50	50.6	53.0	97	102	90-110	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906221 4906222

Parameter	Units	92813438004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	13.7	50	50	63.7	64.0	100	101	90-110	1	10	
Sulfate	mg/L	770	50	50	809	809	77	78	90-110	0	10	M1

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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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

QC Batch: 954880
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92813443001, 92813443002, 92813443003, 92813443004, 92813443005, 92813443006, 92813443007, 92813443008

METHOD BLANK: 4907683 Matrix: Water
Associated Lab Samples: 92813443001, 92813443002, 92813443003, 92813443004, 92813443005, 92813443006, 92813443007, 92813443008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.0062	09/04/25 22:43	
Calcium	mg/L	ND	0.40	0.10	09/05/25 10:21	
Cobalt	mg/L	ND	0.0050	0.0012	09/04/25 22:43	
Iron	mg/L	ND	0.040	0.012	09/04/25 22:43	
Magnesium	mg/L	ND	0.050	0.010	09/04/25 22:43	
Molybdenum	mg/L	ND	0.010	0.0025	09/04/25 22:43	
Potassium	mg/L	ND	0.40	0.10	09/04/25 22:43	
Sodium	mg/L	ND	0.40	0.15	09/04/25 22:43	

LABORATORY CONTROL SAMPLE: 4907684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.1	0.088	88	80-120	
Calcium	mg/L	1	0.93	93	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	0.95	95	80-120	
Molybdenum	mg/L	0.1	0.088	88	80-120	
Potassium	mg/L	1	0.97	97	80-120	
Sodium	mg/L	1	0.92	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907685 4907686

Parameter	Units	92813443001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	7.9	0.1	0.1	7.8	7.7	-189	-289	75-125	1	20	M1
Calcium	mg/L	252	1	1	246	245	-652	-765	75-125	0	20	M1
Cobalt	mg/L	0.0027J	0.1	0.1	0.091	0.091	89	88	75-125	1	20	
Iron	mg/L	0.12	1	1	1.0	1.0	91	91	75-125	1	20	
Magnesium	mg/L	42.9	1	1	43.5	43.4	63	56	75-125	0	20	M1
Molybdenum	mg/L	0.043	0.1	0.1	0.14	0.14	99	97	75-125	1	20	
Potassium	mg/L	7.8	1	1	8.9	8.3	116	53	75-125	7	20	M1
Sodium	mg/L	48.1	1	1	49.4	48.1	137	0	75-125	3	20	M1

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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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

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.

WORKORDER QUALIFIERS

WO: 92813443

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

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

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Post-Inj #2 Wk 4
Pace Project No.: 92813443

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92813443001	**BOW-PT-02**	SM 2320B-2021	955537		
92813443002	**BOW-PT-04**	SM 2320B-2021	956055		
92813443003	**BOW-PT-05**	SM 2320B-2021	955537		
92813443004	**BOW-PT-06**	SM 2320B-2021	955537		
92813443005	**BOW-INW-01**	SM 2320B-2021	955537		
92813443006	**BOW-AP1-FD-01**	SM 2320B-2021	955537		
92813443007	**BOW-AP1-FB-01**	SM 2320B-2021	955537		
92813443008	**BOW-AP1-EB-01**	SM 2320B-2021	955537		
92813443001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	954530		
92813443002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	954530		
92813443003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	954530		
92813443004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	954530		
92813443005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	954530		
92813443006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	954530		
92813443007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	954530		
92813443008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	954530		
92813443001	**BOW-PT-02**	EPA 3005A	954880	EPA 6020B	958350
92813443002	**BOW-PT-04**	EPA 3005A	954880	EPA 6020B	958350
92813443003	**BOW-PT-05**	EPA 3005A	954880	EPA 6020B	958350
92813443004	**BOW-PT-06**	EPA 3005A	954880	EPA 6020B	958350
92813443005	**BOW-INW-01**	EPA 3005A	954880	EPA 6020B	958350
92813443006	**BOW-AP1-FD-01**	EPA 3005A	954880	EPA 6020B	958350
92813443007	**BOW-AP1-FB-01**	EPA 3005A	954880	EPA 6020B	958350
92813443008	**BOW-AP1-EB-01**	EPA 3005A	954880	EPA 6020B	958350

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	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92813443

92813443

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/15/25 CAF

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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 #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)
CC																														
1		2				2																								
2		2				2																								
3		2				2																								
4		2				2																								
5		2				2																								
6		2				2																								
7		2				2																								
8		2				2																								
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92813443

PM: BV **Due Date: 09/02/25**

CLIENT: 92-GP-BOWLF

Company Name: Georgia Power - Bowen

Street Address:
241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308

Customer Project #:

Project Name:
Bowen AP-1 CA Post-injection #2 Week 4

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail:
georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC95642-~~0004~~ 0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	300.0-SO_4^{2-}, Cl^-	*Appendix III, IV + Additional Metals	Sample Comment
BOW-PT-02	WG	G			8/12/25	1125	4			X	X	X	001
BOW-PT-04	WG	G			8/12/25	1427	4			X	X	X	002
BOW-PT-05	WG	G			8/12/25	1245	4			X	X	X	003
BOW-PT-06	WG	G			8/12/25	1415	4			X	X	X	004
BOW-INW-01	WG	G			8/12/25	1302	4			X	X	X	005
BOW-AP1-FD-01	WG	G			8/12/25	—	4			X	X	X	006
BOW-AP1-FB-01	WQ	G			8/12/25	1520	4			X	X	X	007
BOW-AP1-EB-01	WQ	G			8/12/25	1525	4			X	X	X	008
					~~8/12/25~~								
					~~8/12/25~~								

Specify Container Size **: 3 3 3

Identify Container Preservative Type***: 1 1 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16507
Prelog / Bottle Ord. ID: EZ 3252077

Preservation non-conformance identified for sample

Additional Instructions from Pace*:
Task Code: BOW-CCR-CA-20250812
*Appendix III: Boron, Calcium, Chloride, Sulfate
*Appendix IV: Cobalt, Molybdenum
*Additional Metals: Iron, Magnesium, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen
Printed Name
Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
EnSafe	8/15/25 1509	Charles Hale	8/15/25 1509
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 07, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

Revision 1: Updated project name to read "Week 6."

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92815776001	**BOW-PT-02**	Water	08/26/25 16:05	08/29/25 13:50
92815776002	**BOW-PT-04**	Water	08/27/25 12:50	08/29/25 13:50
92815776003	**BOW-PT-05**	Water	08/27/25 11:00	08/29/25 13:50
92815776004	**BOW-PT-06**	Water	08/26/25 14:38	08/29/25 13:50
92815776005	**BOW-INW-01**	Water	08/27/25 14:20	08/29/25 13:50
92815776006	**BOW-AP1-FD-01**	Water	08/26/25 00:00	08/29/25 13:50
92815776007	**BOW-AP1-FB-01**	Water	08/27/25 15:35	08/29/25 13:50
92815776008	**BOW-AP1-EB-01**	Water	08/27/25 15:45	08/29/25 13:50

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92815776001	**BOW-PT-02**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776002	**BOW-PT-04**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776003	**BOW-PT-05**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776004	**BOW-PT-06**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776005	**BOW-INW-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776006	**BOW-AP1-FD-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2020	CDM	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776007	**BOW-AP1-FB-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92815776008	**BOW-AP1-EB-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2021	SMS	3	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92815776001	**BOW-PT-02**					
EPA 6020B	Lithium	0.0112	mg/L	0.00200	09/23/25 18:47	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	167	mg/L	5.0	09/06/25 23:58	
SM 2320B-2021	Alkalinity, Total as CaCO3	167	mg/L	5.0	09/06/25 23:58	
SM 2540C-2020	Total Dissolved Solids	1650	mg/L	125	08/30/25 16:50	
EPA 300.0 Rev 2.1 1993	Chloride	302	mg/L	7.0	08/31/25 04:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.28	mg/L	0.10	08/30/25 15:05	
EPA 300.0 Rev 2.1 1993	Sulfate	271	mg/L	7.0	08/31/25 04:18	
EPA 6020B	Barium	0.046	mg/L	0.0050	09/17/25 11:48	
EPA 6020B	Boron	7.8	mg/L	2.0	09/18/25 07:41	M1
EPA 6020B	Calcium	321	mg/L	20.0	09/18/25 07:41	M1
EPA 6020B	Cobalt	0.0024J	mg/L	0.0050	09/17/25 11:48	
EPA 6020B	Iron	0.14	mg/L	0.040	09/17/25 11:48	
EPA 6020B	Magnesium	47.3	mg/L	2.5	09/18/25 07:41	M1
EPA 6020B	Manganese	1.3	mg/L	0.25	09/18/25 07:41	M1
EPA 6020B	Molybdenum	0.036	mg/L	0.010	09/17/25 11:48	
EPA 6020B	Potassium	7.2	mg/L	0.40	09/17/25 11:48	M1
EPA 6020B	Selenium	0.0033J	mg/L	0.0050	09/17/25 11:48	
EPA 6020B	Sodium	36.9	mg/L	20.0	09/18/25 07:41	M1
EPA 6020B	Thallium	0.00048J	mg/L	0.00050	09/17/25 11:48	
92815776002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00673	mg/L	0.00200	09/23/25 18:50	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	218	mg/L	5.0	09/09/25 01:47	
SM 2320B-2021	Alkalinity, Total as CaCO3	218	mg/L	5.0	09/09/25 01:47	
SM 2540C-2020	Total Dissolved Solids	1180	mg/L	50.0	09/02/25 19:35	
EPA 300.0 Rev 2.1 1993	Chloride	211	mg/L	6.0	08/31/25 04:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	08/30/25 15:19	
EPA 300.0 Rev 2.1 1993	Sulfate	235	mg/L	6.0	08/31/25 04:32	
EPA 6020B	Arsenic	0.0016J	mg/L	0.0020	09/17/25 12:30	
EPA 6020B	Barium	0.052	mg/L	0.0050	09/17/25 12:30	
EPA 6020B	Boron	8.0	mg/L	2.0	09/18/25 08:23	
EPA 6020B	Calcium	202	mg/L	20.0	09/18/25 08:23	
EPA 6020B	Cobalt	0.0068	mg/L	0.0050	09/17/25 12:30	
EPA 6020B	Iron	0.41	mg/L	0.040	09/17/25 12:30	
EPA 6020B	Magnesium	49.1	mg/L	2.5	09/18/25 08:23	
EPA 6020B	Manganese	0.74	mg/L	0.25	09/18/25 08:23	
EPA 6020B	Molybdenum	0.017	mg/L	0.010	09/17/25 12:30	
EPA 6020B	Potassium	7.5	mg/L	0.40	09/17/25 12:30	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	09/17/25 12:30	
EPA 6020B	Sodium	65.2	mg/L	20.0	09/18/25 08:23	
EPA 6020B	Thallium	0.00078	mg/L	0.00050	09/17/25 12:30	
92815776003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00533	mg/L	0.00200	09/23/25 18:53	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	197	mg/L	5.0	09/09/25 01:59	
SM 2320B-2021	Alkalinity, Total as CaCO3	197	mg/L	5.0	09/09/25 01:59	
SM 2540C-2020	Total Dissolved Solids	1180	mg/L	50.0	09/02/25 19:35	
SM 4500-S2D-2021	Sulfide	0.028J	mg/L	0.10	08/30/25 01:04	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92815776003	**BOW-PT-05**					
EPA 300.0 Rev 2.1 1993	Chloride	190	mg/L	5.0	08/31/25 04:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.23	mg/L	0.10	08/30/25 15:33	
EPA 300.0 Rev 2.1 1993	Sulfate	215	mg/L	5.0	08/31/25 04:46	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0020	09/17/25 12:39	
EPA 6020B	Barium	0.040	mg/L	0.0050	09/17/25 12:39	
EPA 6020B	Boron	7.4	mg/L	2.0	09/18/25 08:31	
EPA 6020B	Calcium	210	mg/L	20.0	09/18/25 08:31	
EPA 6020B	Cobalt	0.0082	mg/L	0.0050	09/17/25 12:39	
EPA 6020B	Iron	1.1	mg/L	0.040	09/17/25 12:39	
EPA 6020B	Magnesium	42.6	mg/L	2.5	09/18/25 08:31	
EPA 6020B	Manganese	1.1	mg/L	0.25	09/18/25 08:31	
EPA 6020B	Molybdenum	0.023	mg/L	0.010	09/17/25 12:39	
EPA 6020B	Potassium	5.7	mg/L	0.40	09/17/25 12:39	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	09/17/25 12:39	
EPA 6020B	Sodium	26.3	mg/L	0.40	09/17/25 12:39	
EPA 6020B	Thallium	0.00027J	mg/L	0.00050	09/17/25 12:39	
92815776004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00540	mg/L	0.00200	09/23/25 18:56	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	160	mg/L	5.0	09/07/25 00:17	
SM 2320B-2021	Alkalinity, Total as CaCO3	160	mg/L	5.0	09/07/25 00:17	
SM 2540C-2020	Total Dissolved Solids	2160	mg/L	250	08/30/25 16:51	
SM 4500-S2D-2021	Sulfide	0.035J	mg/L	0.10	08/30/25 01:03	
EPA 300.0 Rev 2.1 1993	Chloride	434	mg/L	10.0	08/31/25 05:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	08/30/25 16:17	
EPA 300.0 Rev 2.1 1993	Sulfate	335	mg/L	10.0	08/31/25 05:00	
EPA 6020B	Arsenic	0.0032	mg/L	0.0020	09/17/25 12:47	
EPA 6020B	Barium	0.081	mg/L	0.0050	09/17/25 12:47	
EPA 6020B	Boron	9.3	mg/L	2.0	09/18/25 08:40	
EPA 6020B	Calcium	323	mg/L	20.0	09/18/25 08:40	
EPA 6020B	Cobalt	0.0024J	mg/L	0.0050	09/17/25 12:47	
EPA 6020B	Iron	1.4	mg/L	0.040	09/17/25 12:47	
EPA 6020B	Magnesium	90.4	mg/L	2.5	09/18/25 08:40	
EPA 6020B	Manganese	0.89	mg/L	0.25	09/18/25 08:40	
EPA 6020B	Molybdenum	0.0072J	mg/L	0.010	09/17/25 12:47	
EPA 6020B	Potassium	10.2	mg/L	0.40	09/17/25 12:47	
EPA 6020B	Selenium	0.0053	mg/L	0.0050	09/17/25 12:47	
EPA 6020B	Sodium	62.8	mg/L	20.0	09/18/25 08:40	
92815776005	**BOW-INW-01**					
EPA 6020B	Lithium	0.0108	mg/L	0.00200	09/23/25 19:06	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	09/09/25 02:11	
SM 2320B-2021	Alkalinity, Total as CaCO3	172	mg/L	5.0	09/09/25 02:11	
SM 2540C-2020	Total Dissolved Solids	1860	mg/L	50.0	09/02/25 19:35	
EPA 300.0 Rev 2.1 1993	Chloride	373	mg/L	9.0	08/31/25 05:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.30	mg/L	0.10	08/30/25 16:31	
EPA 300.0 Rev 2.1 1993	Sulfate	337	mg/L	9.0	08/31/25 05:15	
EPA 6020B	Barium	0.067	mg/L	0.0050	09/17/25 13:13	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92815776005	**BOW-INW-01**					
EPA 6020B	Boron	10.5	mg/L	2.0	09/18/25 08:48	
EPA 6020B	Calcium	348	mg/L	20.0	09/18/25 08:48	
EPA 6020B	Cobalt	0.0063	mg/L	0.0050	09/17/25 13:13	
EPA 6020B	Iron	0.42	mg/L	0.040	09/17/25 13:13	
EPA 6020B	Magnesium	55.9	mg/L	2.5	09/18/25 08:48	
EPA 6020B	Manganese	2.6	mg/L	0.25	09/18/25 08:48	
EPA 6020B	Molybdenum	0.041	mg/L	0.010	09/17/25 13:13	
EPA 6020B	Potassium	9.3	mg/L	0.40	09/17/25 13:13	
EPA 6020B	Selenium	0.0040J	mg/L	0.0050	09/17/25 13:13	
EPA 6020B	Sodium	50.5	mg/L	20.0	09/18/25 08:48	
EPA 6020B	Thallium	0.00060	mg/L	0.00050	09/17/25 13:13	
92815776006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00941	mg/L	0.00200	09/23/25 19:09	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	169	mg/L	5.0	09/07/25 00:27	
SM 2320B-2021	Alkalinity, Total as CaCO3	169	mg/L	5.0	09/07/25 00:27	
SM 2540C-2020	Total Dissolved Solids	1700	mg/L	125	08/30/25 16:51	
EPA 300.0 Rev 2.1 1993	Chloride	303	mg/L	7.0	08/31/25 05:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.28	mg/L	0.10	08/30/25 16:46	
EPA 300.0 Rev 2.1 1993	Sulfate	275	mg/L	7.0	08/31/25 05:29	
EPA 6020B	Barium	0.045	mg/L	0.0050	09/17/25 13:21	
EPA 6020B	Boron	8.2	mg/L	2.0	09/18/25 08:57	
EPA 6020B	Calcium	275	mg/L	20.0	09/18/25 08:57	
EPA 6020B	Cobalt	0.0023J	mg/L	0.0050	09/17/25 13:21	
EPA 6020B	Iron	0.13	mg/L	0.040	09/17/25 13:21	
EPA 6020B	Magnesium	48.7	mg/L	2.5	09/18/25 08:57	
EPA 6020B	Manganese	1.3	mg/L	0.25	09/18/25 08:57	
EPA 6020B	Molybdenum	0.035	mg/L	0.010	09/17/25 13:21	
EPA 6020B	Potassium	8.0	mg/L	0.40	09/17/25 13:21	
EPA 6020B	Selenium	0.0034J	mg/L	0.0050	09/17/25 13:21	
EPA 6020B	Sodium	37.2	mg/L	20.0	09/18/25 08:57	
EPA 6020B	Thallium	0.00046J	mg/L	0.00050	09/17/25 13:21	
92815776007	**BOW-AP1-FB-01**					
EPA 6020B	Boron	0.0087J	mg/L	0.040	09/17/25 13:30	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-02 **Lab ID: 92815776001** Collected: 08/26/25 16:05 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0112**	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 18:47	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**167**	mg/L	5.0	5.0	1		09/06/25 23:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/06/25 23:58		
Alkalinity, Total as CaCO3	**167**	mg/L	5.0	5.0	1		09/06/25 23:58		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1650**	mg/L	125	125	1		08/30/25 16:50		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/30/25 01:02	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**302**	mg/L	7.0	4.2	7		08/31/25 04:18	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.050	1		08/30/25 15:05	16984-48-8	
Sulfate	**271**	mg/L	7.0	3.5	7		08/31/25 04:18	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 11:48	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 11:48	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 11:48	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 11:48	7440-41-7	
Boron	**7.8**	mg/L	2.0	0.31	50	09/04/25 18:13	09/18/25 07:41	7440-42-8	M1
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 11:48	7440-43-9	
Calcium	**321**	mg/L	20.0	5.0	50	09/04/25 18:13	09/18/25 07:41	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 11:48	7440-47-3	
Cobalt	**0.0024J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 11:48	7440-48-4	
Iron	**0.14**	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 11:48	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 11:48	7439-92-1	
Magnesium	**47.3**	mg/L	2.5	0.50	50	09/04/25 18:13	09/18/25 07:41	7439-95-4	M1
Manganese	**1.3**	mg/L	0.25	0.062	50	09/04/25 18:13	09/18/25 07:41	7439-96-5	M1
Molybdenum	**0.036**	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 11:48	7439-98-7	
Potassium	**7.2**	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 11:48	7440-09-7	M1
Selenium	**0.0033J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 11:48	7782-49-2	
Sodium	**36.9**	mg/L	20.0	7.5	50	09/04/25 18:13	09/18/25 07:41	7440-23-5	M1
Thallium	**0.00048J**	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 11:48	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-02 **Lab ID: 92815776001** Collected: 08/26/25 16:05 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 21:55	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-04 **Lab ID: 92815776002** Collected: 08/27/25 12:50 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00673**	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 18:50	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**218**	mg/L	5.0	5.0	1		09/09/25 01:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 01:47		
Alkalinity, Total as CaCO3	**218**	mg/L	5.0	5.0	1		09/09/25 01:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1180**	mg/L	50.0	50.0	1		09/02/25 19:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/30/25 01:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**211**	mg/L	6.0	3.6	6		08/31/25 04:32	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.050	1		08/30/25 15:19	16984-48-8	
Sulfate	**235**	mg/L	6.0	3.0	6		08/31/25 04:32	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 12:30	7440-36-0	
Arsenic	**0.0016J**	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 12:30	7440-38-2	
Barium	**0.052**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:30	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 12:30	7440-41-7	
Boron	**8.0**	mg/L	2.0	0.31	50	09/04/25 18:13	09/18/25 08:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 12:30	7440-43-9	
Calcium	**202**	mg/L	20.0	5.0	50	09/04/25 18:13	09/18/25 08:23	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:30	7440-47-3	
Cobalt	**0.0068**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:30	7440-48-4	
Iron	**0.41**	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 12:30	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 12:30	7439-92-1	
Magnesium	**49.1**	mg/L	2.5	0.50	50	09/04/25 18:13	09/18/25 08:23	7439-95-4	
Manganese	**0.74**	mg/L	0.25	0.062	50	09/04/25 18:13	09/18/25 08:23	7439-96-5	
Molybdenum	**0.017**	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 12:30	7439-98-7	
Potassium	**7.5**	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 12:30	7440-09-7	
Selenium	**0.0025J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:30	7782-49-2	
Sodium	**65.2**	mg/L	20.0	7.5	50	09/04/25 18:13	09/18/25 08:23	7440-23-5	
Thallium	**0.00078**	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 12:30	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-04 **Lab ID: 92815776002** Collected: 08/27/25 12:50 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 21:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-05 **Lab ID: 92815776003** Collected: 08/27/25 11:00 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00533**	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 18:53	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**197**	mg/L	5.0	5.0	1		09/09/25 01:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 01:59		
Alkalinity, Total as CaCO3	**197**	mg/L	5.0	5.0	1		09/09/25 01:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1180**	mg/L	50.0	50.0	1		09/02/25 19:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	**0.028J**	mg/L	0.10	0.022	1		08/30/25 01:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**190**	mg/L	5.0	3.0	5		08/31/25 04:46	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.050	1		08/30/25 15:33	16984-48-8	
Sulfate	**215**	mg/L	5.0	2.5	5		08/31/25 04:46	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 12:39	7440-36-0	
Arsenic	**0.0020J**	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 12:39	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:39	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 12:39	7440-41-7	
Boron	**7.4**	mg/L	2.0	0.31	50	09/04/25 18:13	09/18/25 08:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 12:39	7440-43-9	
Calcium	**210**	mg/L	20.0	5.0	50	09/04/25 18:13	09/18/25 08:31	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:39	7440-47-3	
Cobalt	**0.0082**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:39	7440-48-4	
Iron	**1.1**	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 12:39	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 12:39	7439-92-1	
Magnesium	**42.6**	mg/L	2.5	0.50	50	09/04/25 18:13	09/18/25 08:31	7439-95-4	
Manganese	**1.1**	mg/L	0.25	0.062	50	09/04/25 18:13	09/18/25 08:31	7439-96-5	
Molybdenum	**0.023**	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 12:39	7439-98-7	
Potassium	**5.7**	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 12:39	7440-09-7	
Selenium	**0.0017J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:39	7782-49-2	
Sodium	**26.3**	mg/L	0.40	0.15	1	09/04/25 18:13	09/17/25 12:39	7440-23-5	
Thallium	**0.00027J**	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 12:39	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-05 **Lab ID: 92815776003** Collected: 08/27/25 11:00 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 22:05	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-06 **Lab ID: 92815776004** Collected: 08/26/25 14:38 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00540**	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 18:56	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**160**	mg/L	5.0	5.0	1		09/07/25 00:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/07/25 00:17		
Alkalinity, Total as CaCO3	**160**	mg/L	5.0	5.0	1		09/07/25 00:17		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2160**	mg/L	250	250	1		08/30/25 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	**0.035J**	mg/L	0.10	0.022	1		08/30/25 01:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**434**	mg/L	10.0	6.0	10		08/31/25 05:00	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		08/30/25 16:17	16984-48-8	
Sulfate	**335**	mg/L	10.0	5.0	10		08/31/25 05:00	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 12:47	7440-36-0	
Arsenic	**0.0032**	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 12:47	7440-38-2	
Barium	**0.081**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:47	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 12:47	7440-41-7	
Boron	**9.3**	mg/L	2.0	0.31	50	09/04/25 18:13	09/18/25 08:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 12:47	7440-43-9	
Calcium	**323**	mg/L	20.0	5.0	50	09/04/25 18:13	09/18/25 08:40	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:47	7440-47-3	
Cobalt	**0.0024J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:47	7440-48-4	
Iron	**1.4**	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 12:47	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 12:47	7439-92-1	
Magnesium	**90.4**	mg/L	2.5	0.50	50	09/04/25 18:13	09/18/25 08:40	7439-95-4	
Manganese	**0.89**	mg/L	0.25	0.062	50	09/04/25 18:13	09/18/25 08:40	7439-96-5	
Molybdenum	**0.0072J**	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 12:47	7439-98-7	
Potassium	**10.2**	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 12:47	7440-09-7	
Selenium	**0.0053**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 12:47	7782-49-2	
Sodium	**62.8**	mg/L	20.0	7.5	50	09/04/25 18:13	09/18/25 08:40	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 12:47	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-PT-06 **Lab ID: 92815776004** Collected: 08/26/25 14:38 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 22:08	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-INW-01 **Lab ID: 92815776005** Collected: 08/27/25 14:20 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0108**	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 19:06	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**172**	mg/L	5.0	5.0	1		09/09/25 02:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 02:11		
Alkalinity, Total as CaCO3	**172**	mg/L	5.0	5.0	1		09/09/25 02:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1860**	mg/L	50.0	50.0	1		09/02/25 19:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/30/25 01:05	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**373**	mg/L	9.0	5.4	9		08/31/25 05:15	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.050	1		08/30/25 16:31	16984-48-8	
Sulfate	**337**	mg/L	9.0	4.5	9		08/31/25 05:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 13:13	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 13:13	7440-38-2	
Barium	**0.067**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:13	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 13:13	7440-41-7	
Boron	**10.5**	mg/L	2.0	0.31	50	09/04/25 18:13	09/18/25 08:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 13:13	7440-43-9	
Calcium	**348**	mg/L	20.0	5.0	50	09/04/25 18:13	09/18/25 08:48	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:13	7440-47-3	
Cobalt	**0.0063**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:13	7440-48-4	
Iron	**0.42**	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 13:13	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 13:13	7439-92-1	
Magnesium	**55.9**	mg/L	2.5	0.50	50	09/04/25 18:13	09/18/25 08:48	7439-95-4	
Manganese	**2.6**	mg/L	0.25	0.062	50	09/04/25 18:13	09/18/25 08:48	7439-96-5	
Molybdenum	**0.041**	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 13:13	7439-98-7	
Potassium	**9.3**	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 13:13	7440-09-7	
Selenium	**0.0040J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:13	7782-49-2	
Sodium	**50.5**	mg/L	20.0	7.5	50	09/04/25 18:13	09/18/25 08:48	7440-23-5	
Thallium	**0.00060**	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 13:13	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-INW-01 **Lab ID: 92815776005** Collected: 08/27/25 14:20 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 22:10	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-AP1-FD-01 **Lab ID: 92815776006** Collected: 08/26/25 00:00 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00941**	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 19:09	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**169**	mg/L	5.0	5.0	1		09/07/25 00:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/07/25 00:27		
Alkalinity, Total as CaCO3	**169**	mg/L	5.0	5.0	1		09/07/25 00:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1700**	mg/L	125	125	1		08/30/25 16:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/30/25 01:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**303**	mg/L	7.0	4.2	7		08/31/25 05:29	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.050	1		08/30/25 16:46	16984-48-8	
Sulfate	**275**	mg/L	7.0	3.5	7		08/31/25 05:29	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 13:21	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 13:21	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:21	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 13:21	7440-41-7	
Boron	**8.2**	mg/L	2.0	0.31	50	09/04/25 18:13	09/18/25 08:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 13:21	7440-43-9	
Calcium	**275**	mg/L	20.0	5.0	50	09/04/25 18:13	09/18/25 08:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:21	7440-47-3	
Cobalt	**0.0023J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:21	7440-48-4	
Iron	**0.13**	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 13:21	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 13:21	7439-92-1	
Magnesium	**48.7**	mg/L	2.5	0.50	50	09/04/25 18:13	09/18/25 08:57	7439-95-4	
Manganese	**1.3**	mg/L	0.25	0.062	50	09/04/25 18:13	09/18/25 08:57	7439-96-5	
Molybdenum	**0.035**	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 13:21	7439-98-7	
Potassium	**8.0**	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 13:21	7440-09-7	
Selenium	**0.0034J**	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:21	7782-49-2	
Sodium	**37.2**	mg/L	20.0	7.5	50	09/04/25 18:13	09/18/25 08:57	7440-23-5	
Thallium	**0.00046J**	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 13:21	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-AP1-FD-01 **Lab ID: 92815776006** Collected: 08/26/25 00:00 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 22:13	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-AP1-FB-01 **Lab ID: 92815776007** Collected: 08/27/25 15:35 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 19:13	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 02:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 02:23		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/09/25 02:23		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/02/25 19:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/30/25 01:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/30/25 17:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/30/25 17:00	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/30/25 17:00	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 13:30	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 13:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:30	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 13:30	7440-41-7	
Boron	**0.0087J**	mg/L	0.040	0.0062	1	09/04/25 18:13	09/17/25 13:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 13:30	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 13:30	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:30	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 13:30	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 13:30	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	09/04/25 18:13	09/17/25 13:30	7439-95-4	
Manganese	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:30	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 13:30	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 13:30	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:30	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	09/04/25 18:13	09/17/25 13:30	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 13:30	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-AP1-FB-01 **Lab ID: 92815776007** Collected: 08/27/25 15:35 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 22:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-AP1-EB-01 **Lab ID: 92815776008** Collected: 08/27/25 15:45 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/06/25 09:25	09/23/25 19:16	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 01:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/09/25 01:24		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/09/25 01:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/02/25 19:35		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/30/25 01:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/30/25 17:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/30/25 17:14	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/30/25 17:14	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	09/04/25 18:13	09/17/25 13:38	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	09/04/25 18:13	09/17/25 13:38	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:38	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	09/04/25 18:13	09/17/25 13:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	09/04/25 18:13	09/17/25 13:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	09/04/25 18:13	09/17/25 13:38	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 13:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:38	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	09/04/25 18:13	09/17/25 13:38	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	09/04/25 18:13	09/17/25 13:38	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	09/04/25 18:13	09/17/25 13:38	7439-95-4	
Manganese	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:38	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	09/04/25 18:13	09/17/25 13:38	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	09/04/25 18:13	09/17/25 13:38	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	09/04/25 18:13	09/17/25 13:38	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	09/04/25 18:13	09/17/25 13:38	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	09/04/25 18:13	09/17/25 13:38	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Sample: BOW-AP1-EB-01 **Lab ID: 92815776008** Collected: 08/27/25 15:45 Received: 08/29/25 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/04/25 18:19	09/04/25 22:18	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 2593393
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

METHOD BLANK: R4277680-6 Matrix: Water
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/23/25 19:49	

LABORATORY CONTROL SAMPLE: R4277680-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0478	95.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4277680-4 R4277680-5

Parameter	Units	L1894041-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0584	0.0500	0.0500	0.0987	0.101	80.4	85.0	75.0-125	2.27	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 958652
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815776001, 92815776004, 92815776006

METHOD BLANK: 4926572 Matrix: Water
Associated Lab Samples: 92815776001, 92815776004, 92815776006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/06/25 20:57	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/06/25 20:57	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/06/25 20:57	

LABORATORY CONTROL SAMPLE: 4926573

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: 4926574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4926575 4926576

Parameter	Units	92815116012 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	49.9	50	50	100	101	100	101	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4926577 4926578

Parameter	Units	92815116013 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	81.6	50	50	133	133	103	103	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 958702 | Analysis Method: SM 2320B-2021
QC Batch Method: SM 2320B-2021 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815776002, 92815776003, 92815776005, 92815776007, 92815776008

METHOD BLANK: 4926669 Matrix: Water
Associated Lab Samples: 92815776002, 92815776003, 92815776005, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/08/25 23:22	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/08/25 23:22	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	09/08/25 23:22	

LABORATORY CONTROL SAMPLE: 4926670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	80-120	

LABORATORY CONTROL SAMPLE: 4926671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4926672 4926673

Parameter	Units	92815339004 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	116	50	50	164	164	96	97	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4926674 4926675

Parameter	Units	92815339005 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	354	50	50	395	396	81	84	80-120	0	25	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 957413 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815776001, 92815776004, 92815776006

METHOD BLANK: 4920735 Matrix: Water
Associated Lab Samples: 92815776001, 92815776004, 92815776006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/30/25 16:44	

LABORATORY CONTROL SAMPLE: 4920736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4920737

Parameter	Units	92815233007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4920738

Parameter	Units	92813796016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	215	219	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 957713 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815776002, 92815776003, 92815776005, 92815776007, 92815776008

METHOD BLANK: 4921922 Matrix: Water
Associated Lab Samples: 92815776002, 92815776003, 92815776005, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/02/25 19:33	

LABORATORY CONTROL SAMPLE: 4921923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	236	94	90-110	

SAMPLE DUPLICATE: 4921924

Parameter	Units	92815367007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1580	1600	1	25	

SAMPLE DUPLICATE: 4921925

Parameter	Units	92813796013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 957423
QC Batch Method: SM 4500-S2D-2021
Analysis Method: SM 4500-S2D-2021
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

METHOD BLANK: 4920762 Matrix: Water
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/30/25 01:01	

LABORATORY CONTROL SAMPLE: 4920763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4920764 4920765

Parameter	Units	92815776001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.44	0.44	87	87	80-120	0	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 957477
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

METHOD BLANK: 4920894 Matrix: Water
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/30/25 13:23	
Fluoride	mg/L	ND	0.10	0.050	08/30/25 13:23	
Sulfate	mg/L	ND	1.0	0.50	08/30/25 13:23	

LABORATORY CONTROL SAMPLE: 4920895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	52.4	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4920896 4920897

Parameter	Units	92815765011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.9	50	50	50.8	51.7	98	100	90-110	2	10	
Fluoride	mg/L	0.057J	2.5	2.5	3.4	3.4	133	134	90-110	1	10	M1
Sulfate	mg/L	4.0	50	50	53.4	54.4	99	101	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4920900 4920901

Parameter	Units	92815483006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	15.6	50	50	64.7	65.0	98	99	90-110	1	10	
Fluoride	mg/L	0.44	2.5	2.5	2.9	2.9	99	100	90-110	1	10	
Sulfate	mg/L	2.7	50	50	52.6	53.0	100	101	90-110	1	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 957532
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

METHOD BLANK: 4921083 Matrix: Water
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	09/17/25 11:31	
Arsenic	mg/L	ND	0.0020	0.0012	09/17/25 11:31	
Barium	mg/L	ND	0.0050	0.0012	09/17/25 11:31	
Beryllium	mg/L	ND	0.00040	0.00015	09/17/25 11:31	
Boron	mg/L	ND	0.040	0.0062	09/17/25 11:31	
Cadmium	mg/L	ND	0.00050	0.00012	09/17/25 11:31	
Calcium	mg/L	ND	0.40	0.10	09/17/25 11:31	
Chromium	mg/L	ND	0.0050	0.0012	09/17/25 11:31	
Cobalt	mg/L	ND	0.0050	0.0012	09/17/25 11:31	
Iron	mg/L	ND	0.040	0.012	09/17/25 11:31	
Lead	mg/L	ND	0.0010	0.00025	09/17/25 11:31	
Magnesium	mg/L	ND	0.050	0.010	09/17/25 11:31	
Manganese	mg/L	ND	0.0050	0.0012	09/17/25 11:31	
Molybdenum	mg/L	ND	0.010	0.0025	09/17/25 11:31	
Potassium	mg/L	ND	0.40	0.10	09/17/25 11:31	
Selenium	mg/L	ND	0.0050	0.0012	09/17/25 11:31	
Sodium	mg/L	ND	0.40	0.15	09/17/25 11:31	
Thallium	mg/L	ND	0.00050	0.00015	09/17/25 11:31	

LABORATORY CONTROL SAMPLE: 4921084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.091	91	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.092	92	80-120	
Boron	mg/L	0.1	0.092	92	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	0.93	93	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Iron	mg/L	1	0.96	96	80-120	
Lead	mg/L	0.1	0.11	105	80-120	
Magnesium	mg/L	1	1.0	101	80-120	
Manganese	mg/L	0.1	0.10	100	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Potassium	mg/L	1	0.92	92	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

LABORATORY CONTROL SAMPLE: 4921084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.089	89	80-120	
Sodium	mg/L	1	0.92	92	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4921085 4921086

Parameter	Units	92815776001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.090	0.091	89	90	75-125	1	20	
Barium	mg/L	0.046	0.1	0.1	0.14	0.14	99	99	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20	
Boron	mg/L	7.8	0.1	0.1	8.5	8.3	619	510	75-125	1	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	2	20	
Calcium	mg/L	321	1	1	299	309	-2160	-1150	75-125	3	20	M1
Chromium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Cobalt	mg/L	0.0024J	0.1	0.1	0.096	0.097	93	94	75-125	1	20	
Iron	mg/L	0.14	1	1	1.0	1.0	89	90	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.095	0.097	95	96	75-125	2	20	
Magnesium	mg/L	47.3	1	1	50.7	50.5	332	318	75-125	0	20	M1
Manganese	mg/L	1.3	0.1	0.1	1.5	1.5	173	171	75-125	0	20	M1
Molybdenum	mg/L	0.036	0.1	0.1	0.13	0.13	91	93	75-125	2	20	
Potassium	mg/L	7.2	1	1	8.6	9.1	145	195	75-125	6	20	M1
Selenium	mg/L	0.0033J	0.1	0.1	0.091	0.093	87	89	75-125	2	20	
Sodium	mg/L	36.9	1	1	38.3	36.7	143	-17	75-125	4	20	M1
Thallium	mg/L	0.00048J	0.1	0.1	0.11	0.11	107	107	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

QC Batch: 957650 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

METHOD BLANK: 4921500 Matrix: Water
Associated Lab Samples: 92815776001, 92815776002, 92815776003, 92815776004, 92815776005, 92815776006, 92815776007, 92815776008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	09/04/25 21:17	

LABORATORY CONTROL SAMPLE: 4921501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4921502 4921503

Parameter	Units	92813796013 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	0.002	0.002	0.0026	0.0020	127	101	80-120	22	20	M1,R1

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QUALIFIERS

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

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.

WORKORDER QUALIFIERS

WO: 92815776

[1]	GEOSYNTEC
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92815776001	**BOW-PT-02**	3015	2593393	EPA 6020B	2593393
92815776002	**BOW-PT-04**	3015	2593393	EPA 6020B	2593393
92815776003	**BOW-PT-05**	3015	2593393	EPA 6020B	2593393
92815776004	**BOW-PT-06**	3015	2593393	EPA 6020B	2593393
92815776005	**BOW-INW-01**	3015	2593393	EPA 6020B	2593393
92815776006	**BOW-AP1-FD-01**	3015	2593393	EPA 6020B	2593393
92815776007	**BOW-AP1-FB-01**	3015	2593393	EPA 6020B	2593393
92815776008	**BOW-AP1-EB-01**	3015	2593393	EPA 6020B	2593393
92815776001	**BOW-PT-02**	SM 2320B-2021	958652		
92815776002	**BOW-PT-04**	SM 2320B-2021	958702		
92815776003	**BOW-PT-05**	SM 2320B-2021	958702		
92815776004	**BOW-PT-06**	SM 2320B-2021	958652		
92815776005	**BOW-INW-01**	SM 2320B-2021	958702		
92815776006	**BOW-AP1-FD-01**	SM 2320B-2021	958652		
92815776007	**BOW-AP1-FB-01**	SM 2320B-2021	958702		
92815776008	**BOW-AP1-EB-01**	SM 2320B-2021	958702		
92815776001	**BOW-PT-02**	SM 2540C-2020	957413		
92815776002	**BOW-PT-04**	SM 2540C-2020	957713		
92815776003	**BOW-PT-05**	SM 2540C-2020	957713		
92815776004	**BOW-PT-06**	SM 2540C-2020	957413		
92815776005	**BOW-INW-01**	SM 2540C-2020	957713		
92815776006	**BOW-AP1-FD-01**	SM 2540C-2020	957413		
92815776007	**BOW-AP1-FB-01**	SM 2540C-2020	957713		
92815776008	**BOW-AP1-EB-01**	SM 2540C-2020	957713		
92815776001	**BOW-PT-02**	SM 4500-S2D-2021	957423		
92815776002	**BOW-PT-04**	SM 4500-S2D-2021	957423		
92815776003	**BOW-PT-05**	SM 4500-S2D-2021	957423		
92815776004	**BOW-PT-06**	SM 4500-S2D-2021	957423		
92815776005	**BOW-INW-01**	SM 4500-S2D-2021	957423		
92815776006	**BOW-AP1-FD-01**	SM 4500-S2D-2021	957423		
92815776007	**BOW-AP1-FB-01**	SM 4500-S2D-2021	957423		
92815776008	**BOW-AP1-EB-01**	SM 4500-S2D-2021	957423		
92815776001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	957477		
92815776002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	957477		
92815776003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	957477		
92815776004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	957477		
92815776005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	957477		
92815776006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	957477		
92815776007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	957477		
92815776008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	957477		
92815776001	**BOW-PT-02**	EPA 3005A	957532	EPA 6020B	960986

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA-Week 6
Pace Project No.: 92815776

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92815776002	**BOW-PT-04**	EPA 3005A	957532	EPA 6020B	960986
92815776003	**BOW-PT-05**	EPA 3005A	957532	EPA 6020B	960986
92815776004	**BOW-PT-06**	EPA 3005A	957532	EPA 6020B	960986
92815776005	**BOW-INW-01**	EPA 3005A	957532	EPA 6020B	960986
92815776006	**BOW-AP1-FD-01**	EPA 3005A	957532	EPA 6020B	960986
92815776007	**BOW-AP1-FB-01**	EPA 3005A	957532	EPA 6020B	960986
92815776008	**BOW-AP1-EB-01**	EPA 3005A	957532	EPA 6020B	960986
92815776001	**BOW-PT-02**	EPA 7470A	957650	EPA 7470A	958418
92815776002	**BOW-PT-04**	EPA 7470A	957650	EPA 7470A	958418
92815776003	**BOW-PT-05**	EPA 7470A	957650	EPA 7470A	958418
92815776004	**BOW-PT-06**	EPA 7470A	957650	EPA 7470A	958418
92815776005	**BOW-INW-01**	EPA 7470A	957650	EPA 7470A	958418
92815776006	**BOW-AP1-FD-01**	EPA 7470A	957650	EPA 7470A	958418
92815776007	**BOW-AP1-FB-01**	EPA 7470A	957650	EPA 7470A	958418
92815776008	**BOW-AP1-EB-01**	EPA 7470A	957650	EPA 7470A	958418

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	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Cal Power

Project #: **WO# : 92815776**

92815776

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/29 SL

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 730

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 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

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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#: 92815776**

PM: BV Due Date: 09/15/25
CLIENT: 92-GP-BOWLF

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	[illegible] mL Amber Unpreserved vials (N/A).
CC																													
1		2	1				2	1																					
2		2	1				2	1																					
3		2	1				2	1																					
4		2	1				2	1																					
5		2	1				2	1																					
6		2	1				2	1																					
7		2	1				2	1																					
8		2	1				2	1																					
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.

Qualtrax ID: 60614

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

92815776

Scan QR Code for Instructions

Company Name: Georgia Power - Bowen

Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308

Customer Project #:

Project Name: Bowen AP-1 CA Week 6

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC95542-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 | 2 | 3 | 4 | 3

Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F, SO4²⁻, Cl⁻	4500S2D Sulfide	*Appendix III, IV + Additional Metals	Sample Comment
BOW-PT-02	WG	G			8/26/25	1605	6			X	X	X	X	X	001
BOW-PT-04	WG	G			8/27/25	1250	6			X	X	X	X	X	002
BOW-PT-05	WG	G			8/27/25	1100	6			X	X	X	X	X	003
BOW-PT-06	WG	G			8/26/25	1438	6			X	X	X	X	X	004
BOW-INW-01	WG	G			8/27/25	1420	6			X	X	X	X	X	005
BOW-AP1-FD-01	WG	G			8/26/25	—	6			X	X	X	X	X	006
BOW-AP1-FB-01	WQ	G			8/27/25	1535	6			X	X	X	X	X	007
BOW-AP1-EB-01	WQ	G			8/27/25	1545	6			X	X	X	X	X	008

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Task Code: BOW-CCR-CA-20250826

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Leaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers | Thermometer ID: | Correction Factor (°C): | Obs. Temp (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	8/29/25 1018	Pace	8/29/25 1018	
Pace	8/29/25 1350		8/29/25 1350	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
				Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 16, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92818395001	**BOW-PT-02**	Water	09/11/25 15:01	09/15/25 16:03
92818395002	**BOW-PT-04**	Water	09/15/25 11:03	09/15/25 16:03
92818395003	**BOW-PT-05**	Water	09/11/25 13:00	09/15/25 16:03
92818395004	**BOW-PT-06**	Water	09/11/25 11:09	09/15/25 16:03
92818395005	**BOW-INW-01**	Water	09/15/25 12:41	09/15/25 16:03
92818395006	**BOW-AP1-FD-01**	Water	09/11/25 00:00	09/15/25 16:03
92818395007	**BOW-AP1-FB-01**	Water	09/15/25 13:56	09/15/25 16:03
92818395008	**BOW-AP1-EB-01**	Water	09/15/25 13:48	09/15/25 16:03

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92818395001	**BOW-PT-02**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818395002	**BOW-PT-04**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818395003	**BOW-PT-05**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818395004	**BOW-PT-06**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818395005	**BOW-INW-01**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818395006	**BOW-AP1-FD-01**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP, JJM1	13	PASI-WC

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	KAJ1	1	PASI-WC
92818395007	**BOW-AP1-FB-01**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92818395008	**BOW-AP1-EB-01**	EPA 6020B	TMT	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92818395001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00881	mg/L	0.00200	09/30/25 21:26	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	09/17/25 21:04	
SM 2320B-2021	Alkalinity, Total as CaCO3	193	mg/L	5.0	09/17/25 21:04	
SM 2540C-2020	Total Dissolved Solids	1240	mg/L	25.0	09/18/25 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	307	mg/L	7.0	09/17/25 14:45	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	09/17/25 05:30	
EPA 300.0 Rev 2.1 1993	Sulfate	282	mg/L	7.0	09/17/25 14:45	
EPA 6020B	Barium	0.040	mg/L	0.0050	10/06/25 19:08	
EPA 6020B	Boron	8.4	mg/L	2.0	10/08/25 17:08	
EPA 6020B	Calcium	268	mg/L	20.0	10/08/25 16:38	
EPA 6020B	Cobalt	0.0022J	mg/L	0.0050	10/06/25 19:08	
EPA 6020B	Molybdenum	0.041	mg/L	0.010	10/06/25 19:08	
EPA 6020B	Selenium	0.0032J	mg/L	0.0050	10/06/25 19:08	
EPA 6020B	Thallium	0.00034J	mg/L	0.00050	10/06/25 19:08	CU
92818395002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00690	mg/L	0.00200	09/30/25 21:39	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	09/17/25 23:27	
SM 2320B-2021	Alkalinity, Total as CaCO3	216	mg/L	5.0	09/17/25 23:27	
SM 2540C-2020	Total Dissolved Solids	1020	mg/L	50.0	09/19/25 14:38	
EPA 300.0 Rev 2.1 1993	Chloride	195	mg/L	5.0	09/17/25 15:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	09/17/25 06:17	
EPA 300.0 Rev 2.1 1993	Sulfate	230	mg/L	5.0	09/17/25 15:31	
EPA 6020B	Barium	0.047	mg/L	0.0050	10/06/25 19:17	
EPA 6020B	Boron	7.1	mg/L	2.0	10/08/25 17:17	
EPA 6020B	Calcium	186	mg/L	20.0	10/08/25 16:43	
EPA 6020B	Cobalt	0.0048J	mg/L	0.0050	10/06/25 19:17	
EPA 6020B	Molybdenum	0.017	mg/L	0.010	10/06/25 19:17	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	10/06/25 19:17	
EPA 6020B	Thallium	0.00069	mg/L	0.00050	10/07/25 13:09	
92818395003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00639	mg/L	0.00200	09/30/25 21:42	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	199	mg/L	5.0	09/17/25 21:15	
SM 2320B-2021	Alkalinity, Total as CaCO3	199	mg/L	5.0	09/17/25 21:15	
SM 2540C-2020	Total Dissolved Solids	1070	mg/L	25.0	09/18/25 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	196	mg/L	5.0	09/17/25 16:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	09/17/25 07:03	
EPA 300.0 Rev 2.1 1993	Sulfate	233	mg/L	5.0	09/17/25 16:16	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0020	10/06/25 19:26	
EPA 6020B	Barium	0.038	mg/L	0.0050	10/06/25 19:26	
EPA 6020B	Boron	7.3	mg/L	2.0	10/08/25 17:26	
EPA 6020B	Calcium	210	mg/L	20.0	10/08/25 16:56	
EPA 6020B	Cobalt	0.012	mg/L	0.0050	10/06/25 19:26	
EPA 6020B	Molybdenum	0.023	mg/L	0.010	10/06/25 19:26	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	10/06/25 19:26	
EPA 6020B	Thallium	0.00022J	mg/L	0.00050	10/06/25 19:26	CU

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92818395004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00508	mg/L	0.00200	09/30/25 21:45	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	09/17/25 21:27	
SM 2320B-2021	Alkalinity, Total as CaCO3	161	mg/L	5.0	09/17/25 21:27	
SM 2540C-2020	Total Dissolved Solids	1750	mg/L	25.0	09/18/25 15:26	1g
EPA 300.0 Rev 2.1 1993	Chloride	495	mg/L	11.0	09/17/25 16:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	09/17/25 07:19	
EPA 300.0 Rev 2.1 1993	Sulfate	368	mg/L	11.0	09/17/25 16:32	
EPA 6020B	Arsenic	0.0031	mg/L	0.0020	10/06/25 19:35	
EPA 6020B	Barium	0.080	mg/L	0.0050	10/06/25 19:35	
EPA 6020B	Boron	8.7	mg/L	2.0	10/08/25 02:18	M1
EPA 6020B	Calcium	314	mg/L	20.0	10/08/25 17:00	M1
EPA 6020B	Cobalt	0.0023J	mg/L	0.0050	10/06/25 19:35	
EPA 6020B	Molybdenum	0.0069J	mg/L	0.010	10/06/25 19:35	
EPA 6020B	Selenium	0.0055	mg/L	0.0050	10/06/25 19:35	
92818395005	**BOW-INW-01**					
EPA 6020B	Lithium	0.00670	mg/L	0.00200	09/30/25 21:49	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	280	mg/L	5.0	09/19/25 19:02	
SM 2320B-2021	Alkalinity, Total as CaCO3	280	mg/L	5.0	09/19/25 19:02	
SM 2540C-2020	Total Dissolved Solids	1140	mg/L	50.0	09/19/25 14:38	
EPA 300.0 Rev 2.1 1993	Chloride	228	mg/L	6.0	09/17/25 16:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.25	mg/L	0.10	09/17/25 07:34	
EPA 300.0 Rev 2.1 1993	Sulfate	253	mg/L	6.0	09/17/25 16:47	
EPA 6020B	Barium	0.059	mg/L	0.0050	10/06/25 20:37	
EPA 6020B	Boron	7.8	mg/L	2.0	10/08/25 03:02	
EPA 6020B	Calcium	218	mg/L	20.0	10/08/25 17:22	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	10/06/25 20:37	
EPA 6020B	Molybdenum	0.035	mg/L	0.010	10/06/25 20:37	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	10/06/25 20:37	
EPA 6020B	Thallium	0.00055	mg/L	0.00050	10/07/25 14:29	
92818395006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00642	mg/L	0.00200	09/30/25 22:12	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	194	mg/L	5.0	09/17/25 21:37	
SM 2320B-2021	Alkalinity, Total as CaCO3	194	mg/L	5.0	09/17/25 21:37	
SM 2540C-2020	Total Dissolved Solids	1130	mg/L	25.0	09/18/25 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	194	mg/L	5.0	09/17/25 17:02	
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	09/17/25 07:49	
EPA 300.0 Rev 2.1 1993	Sulfate	231	mg/L	5.0	09/17/25 17:02	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0020	10/06/25 20:46	
EPA 6020B	Barium	0.039	mg/L	0.0050	10/06/25 20:46	
EPA 6020B	Boron	7.2	mg/L	2.0	10/08/25 03:11	
EPA 6020B	Calcium	215	mg/L	20.0	10/08/25 17:26	
EPA 6020B	Cobalt	0.011	mg/L	0.0050	10/06/25 20:46	
EPA 6020B	Molybdenum	0.023	mg/L	0.010	10/06/25 20:46	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	10/06/25 20:46	
EPA 6020B	Thallium	0.00025J	mg/L	0.00050	10/06/25 20:46	CU

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92818395007	**BOW-AP1-FB-01**					
EPA 6020B	Boron	0.020J	mg/L	0.040	10/06/25 20:55	
92818395008	**BOW-AP1-EB-01**					
EPA 6020B	Boron	0.0072J	mg/L	0.040	10/06/25 21:03	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-PT-02 **Lab ID: 92818395001** Collected: 09/11/25 15:01 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00881**	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 21:26	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**193**	mg/L	5.0	5.0	1		09/17/25 21:04		
Alkalinity, Total as CaCO3	**193**	mg/L	5.0	5.0	1		09/17/25 21:04		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1240**	mg/L	25.0	25.0	1		09/18/25 15:26		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**307**	mg/L	7.0	4.2	7		09/17/25 14:45	16887-00-6	M1
Fluoride	**0.26**	mg/L	0.10	0.050	1		09/17/25 05:30	16984-48-8	
Sulfate	**282**	mg/L	7.0	3.5	7		09/17/25 14:45	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 19:08	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 19:08	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:08	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 13:00	7440-41-7	
Boron	**8.4**	mg/L	2.0	0.31	50	10/05/25 15:01	10/08/25 17:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 19:08	7440-43-9	
Calcium	**268**	mg/L	20.0	5.0	50	10/05/25 15:01	10/08/25 16:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:08	7440-47-3	
Cobalt	**0.0022J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 19:08	7439-92-1	
Molybdenum	**0.041**	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 19:08	7439-98-7	
Selenium	**0.0032J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:08	7782-49-2	
Thallium	**0.00034J**	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/06/25 19:08	7440-28-0	CU
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 02:56	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-PT-04 **Lab ID: 92818395002** Collected: 09/15/25 11:03 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00690**	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 21:39	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**216**	mg/L	5.0	5.0	1		09/17/25 23:27		
Alkalinity, Total as CaCO3	**216**	mg/L	5.0	5.0	1		09/17/25 23:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1020**	mg/L	50.0	50.0	1		09/19/25 14:38		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**195**	mg/L	5.0	3.0	5		09/17/25 15:31	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		09/17/25 06:17	16984-48-8	
Sulfate	**230**	mg/L	5.0	2.5	5		09/17/25 15:31	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 19:17	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 19:17	7440-38-2	
Barium	**0.047**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:17	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 13:09	7440-41-7	
Boron	**7.1**	mg/L	2.0	0.31	50	10/05/25 15:01	10/08/25 17:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 19:17	7440-43-9	
Calcium	**186**	mg/L	20.0	5.0	50	10/05/25 15:01	10/08/25 16:43	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:17	7440-47-3	
Cobalt	**0.0048J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:17	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 19:17	7439-92-1	
Molybdenum	**0.017**	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 19:17	7439-98-7	
Selenium	**0.0019J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:17	7782-49-2	
Thallium	**0.00069**	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/07/25 13:09	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 02:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-PT-05 **Lab ID: 92818395003** Collected: 09/11/25 13:00 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00639**	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 21:42	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**199**	mg/L	5.0	5.0	1		09/17/25 21:15		
Alkalinity, Total as CaCO3	**199**	mg/L	5.0	5.0	1		09/17/25 21:15		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1070**	mg/L	25.0	25.0	1		09/18/25 15:26		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**196**	mg/L	5.0	3.0	5		09/17/25 16:16	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.050	1		09/17/25 07:03	16984-48-8	
Sulfate	**233**	mg/L	5.0	2.5	5		09/17/25 16:16	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 19:26	7440-36-0	
Arsenic	**0.0015J**	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 19:26	7440-38-2	
Barium	**0.038**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:26	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 13:18	7440-41-7	
Boron	**7.3**	mg/L	2.0	0.31	50	10/05/25 15:01	10/08/25 17:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 19:26	7440-43-9	
Calcium	**210**	mg/L	20.0	5.0	50	10/05/25 15:01	10/08/25 16:56	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:26	7440-47-3	
Cobalt	**0.012**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 19:26	7439-92-1	
Molybdenum	**0.023**	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 19:26	7439-98-7	
Selenium	**0.0016J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:26	7782-49-2	
Thallium	**0.00022J**	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/06/25 19:26	7440-28-0	CU
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 03:01	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-PT-06 **Lab ID: 92818395004** Collected: 09/11/25 11:09 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00508**	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 21:45	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**161**	mg/L	5.0	5.0	1		09/17/25 21:27		
Alkalinity, Total as CaCO3	**161**	mg/L	5.0	5.0	1		09/17/25 21:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1750**	mg/L	25.0	25.0	1		09/18/25 15:26		1g
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**495**	mg/L	11.0	6.6	11		09/17/25 16:32	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		09/17/25 07:19	16984-48-8	
Sulfate	**368**	mg/L	11.0	5.5	11		09/17/25 16:32	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 19:35	7440-36-0	
Arsenic	**0.0031**	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 19:35	7440-38-2	
Barium	**0.080**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:35	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 13:27	7440-41-7	
Boron	**8.7**	mg/L	2.0	0.31	50	10/05/25 15:01	10/08/25 02:18	7440-42-8	M1
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 19:35	7440-43-9	
Calcium	**314**	mg/L	20.0	5.0	50	10/05/25 15:01	10/08/25 17:00	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:35	7440-47-3	
Cobalt	**0.0023J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 19:35	7439-92-1	
Molybdenum	**0.0069J**	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 19:35	7439-98-7	
Selenium	**0.0055**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 19:35	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/06/25 19:35	7440-28-0	CU
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 03:09	7439-97-6	

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(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-INW-01 **Lab ID: 92818395005** Collected: 09/15/25 12:41 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00670**	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 21:49	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**280**	mg/L	5.0	5.0	1		09/19/25 19:02		
Alkalinity, Total as CaCO3	**280**	mg/L	5.0	5.0	1		09/19/25 19:02		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1140**	mg/L	50.0	50.0	1		09/19/25 14:38		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**228**	mg/L	6.0	3.6	6		09/17/25 16:47	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.050	1		09/17/25 07:34	16984-48-8	
Sulfate	**253**	mg/L	6.0	3.0	6		09/17/25 16:47	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 20:37	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 20:37	7440-38-2	
Barium	**0.059**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:37	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 14:29	7440-41-7	
Boron	**7.8**	mg/L	2.0	0.31	50	10/05/25 15:01	10/08/25 03:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 20:37	7440-43-9	
Calcium	**218**	mg/L	20.0	5.0	50	10/05/25 15:01	10/08/25 17:22	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:37	7440-47-3	
Cobalt	**0.0029J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:37	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 20:37	7439-92-1	
Molybdenum	**0.035**	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 20:37	7439-98-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:37	7782-49-2	
Thallium	**0.00055**	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/07/25 14:29	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 03:11	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-AP1-FD-01 **Lab ID: 92818395006** Collected: 09/11/25 00:00 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00642**	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 22:12	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**194**	mg/L	5.0	5.0	1		09/17/25 21:37		
Alkalinity, Total as CaCO3	**194**	mg/L	5.0	5.0	1		09/17/25 21:37		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1130**	mg/L	25.0	25.0	1		09/18/25 15:26		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**194**	mg/L	5.0	3.0	5		09/17/25 17:02	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.050	1		09/17/25 07:49	16984-48-8	
Sulfate	**231**	mg/L	5.0	2.5	5		09/17/25 17:02	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 20:46	7440-36-0	
Arsenic	**0.0015J**	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 20:46	7440-38-2	
Barium	**0.039**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:46	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 14:37	7440-41-7	
Boron	**7.2**	mg/L	2.0	0.31	50	10/05/25 15:01	10/08/25 03:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 20:46	7440-43-9	
Calcium	**215**	mg/L	20.0	5.0	50	10/05/25 15:01	10/08/25 17:26	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:46	7440-47-3	
Cobalt	**0.011**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 20:46	7439-92-1	
Molybdenum	**0.023**	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 20:46	7439-98-7	
Selenium	**0.0016J**	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:46	7782-49-2	
Thallium	**0.00025J**	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/06/25 20:46	7440-28-0	CU
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 03:14	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-AP1-FB-01 **Lab ID: 92818395007** Collected: 09/15/25 13:56 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 22:15	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 23:47		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/17/25 23:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/19/25 14:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/16/25 22:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/16/25 22:49	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/16/25 22:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 20:55	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 20:55	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:55	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 14:46	7440-41-7	
Boron	**0.020J**	mg/L	0.040	0.0062	1	10/05/25 15:01	10/06/25 20:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 20:55	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	10/05/25 15:01	10/06/25 20:55	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:55	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 20:55	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 20:55	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 20:55	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/06/25 20:55	7440-28-0	CU
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 03:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Sample: BOW-AP1-EB-01 **Lab ID: 92818395008** Collected: 09/15/25 13:48 Received: 09/15/25 16:03 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	09/19/25 12:35	09/30/25 22:19	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		09/17/25 23:51		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		09/17/25 23:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/19/25 14:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/16/25 23:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/16/25 23:05	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/16/25 23:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/05/25 15:01	10/06/25 21:03	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/05/25 15:01	10/06/25 21:03	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 21:03	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/05/25 15:01	10/07/25 15:13	7440-41-7	
Boron	**0.0072J**	mg/L	0.040	0.0062	1	10/05/25 15:01	10/06/25 21:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/05/25 15:01	10/06/25 21:03	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	10/05/25 15:01	10/06/25 21:03	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 21:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 21:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	10/05/25 15:01	10/06/25 21:03	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/05/25 15:01	10/06/25 21:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/05/25 15:01	10/06/25 21:03	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	10/05/25 15:01	10/06/25 21:03	7440-28-0	CU
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	09/18/25 19:14	09/19/25 03:19	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 2603213
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

METHOD BLANK: R4280712-1 Matrix: Water
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/30/25 21:19	

LABORATORY CONTROL SAMPLE: R4280712-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0447	89.4	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4280712-4 R4280712-5

Parameter	Units	92818395001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00881	0.0500	0.0500	0.0559	0.0549	94.3	92.2	75.0-125	1.89	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 960902
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818395001, 92818395003, 92818395004, 92818395006

METHOD BLANK: 4938185 Matrix: Water
Associated Lab Samples: 92818395001, 92818395003, 92818395004, 92818395006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/17/25 19:07	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 19:07	

LABORATORY CONTROL SAMPLE: 4938186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	80-120	

LABORATORY CONTROL SAMPLE: 4938187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.0	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938188 4938189

Parameter	Units	92817558008 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	ND	50	50	55.6	54.9	102	101	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938190 4938191

Parameter	Units	92817558009 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	ND	50	50	54.9	55.4	101	102	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 960903
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818395002, 92818395007, 92818395008

METHOD BLANK: 4938193 Matrix: Water
Associated Lab Samples: 92818395002, 92818395007, 92818395008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/17/25 22:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/17/25 22:14	

LABORATORY CONTROL SAMPLE: 4938194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 4938195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.4	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938196 4938197

Parameter	Units	92817549018 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	26.3	50	50	76.1	76.0	100	99	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938198 4938199

Parameter	Units	92817549019 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	26.2	50	50	76.2	75.9	100	99	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 961513
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818395005

METHOD BLANK: 4941394 Matrix: Water
Associated Lab Samples: 92818395005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	09/19/25 15:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	09/19/25 15:42	

LABORATORY CONTROL SAMPLE: 4941395

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4941396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.4	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941397 4941398

Parameter	Units	92818493001 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	12.2	50	50	63.5	63.3	103	102	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4941399 4941400

Parameter	Units	92818493002 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	514	50	50	546	530	63	33	80-120	3	25	M1

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 961074
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818395001, 92818395003, 92818395004, 92818395006

METHOD BLANK: 4938738 Matrix: Water
Associated Lab Samples: 92818395001, 92818395003, 92818395004, 92818395006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/18/25 15:24	

LABORATORY CONTROL SAMPLE: 4938739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	260	104	90-110	

SAMPLE DUPLICATE: 4938740

Parameter	Units	92817549017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	742	722	3	25	

SAMPLE DUPLICATE: 4938741

Parameter	Units	92817558016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	644	646	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 961295
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818395002, 92818395005, 92818395007, 92818395008

METHOD BLANK: 4940341 Matrix: Water
Associated Lab Samples: 92818395002, 92818395005, 92818395007, 92818395008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/19/25 14:38	

LABORATORY CONTROL SAMPLE: 4940342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	242	97	90-110	

SAMPLE DUPLICATE: 4940343

Parameter	Units	92819046001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	6040	5980	1	25	

SAMPLE DUPLICATE: 4940344

Parameter	Units	92817549023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	394	399	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 960656
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

METHOD BLANK: 4936664 Matrix: Water
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/16/25 21:47	
Fluoride	mg/L	ND	0.10	0.050	09/16/25 21:47	
Sulfate	mg/L	ND	1.0	0.50	09/16/25 21:47	

LABORATORY CONTROL SAMPLE: 4936665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936666 4936667

Parameter	Units	92818660001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.3	50	50	59.1	59.9	104	105	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	103	104	90-110	1	10	
Sulfate	mg/L	154	50	50	200	201	91	92	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4936668 4936669

Parameter	Units	92818395001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	307	50	50	351	352	88	89	90-110	0	10	M1
Fluoride	mg/L	0.26	2.5	2.5	2.7	2.7	98	100	90-110	1	10	
Sulfate	mg/L	282	50	50	327	328	90	92	90-110	0	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 964683
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

METHOD BLANK: 4957606 Matrix: Water
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	10/06/25 16:55	
Arsenic	mg/L	ND	0.0020	0.0012	10/06/25 16:55	
Barium	mg/L	ND	0.0050	0.0012	10/06/25 16:55	
Beryllium	mg/L	ND	0.00040	0.00015	10/06/25 16:55	
Boron	mg/L	ND	0.040	0.0062	10/06/25 16:55	
Cadmium	mg/L	ND	0.00050	0.00012	10/06/25 16:55	
Calcium	mg/L	ND	0.40	0.10	10/06/25 16:55	
Chromium	mg/L	ND	0.0050	0.0012	10/06/25 16:55	
Cobalt	mg/L	ND	0.0050	0.0012	10/06/25 16:55	
Lead	mg/L	ND	0.0010	0.00025	10/06/25 16:55	
Molybdenum	mg/L	ND	0.010	0.0025	10/06/25 16:55	
Selenium	mg/L	ND	0.0050	0.0012	10/06/25 16:55	
Thallium	mg/L	ND	0.00050	0.00015	10/06/25 16:55	CU

LABORATORY CONTROL SAMPLE: 4957607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.091	91	80-120	
Boron	mg/L	0.1	0.094	94	80-120	
Cadmium	mg/L	0.1	0.094	94	80-120	
Calcium	mg/L	1	1.0	105	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	0.10	100	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	2g

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4957608 4957609

Parameter	Units	92818395004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4957608 4957609

Parameter	Units	92818395004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0031	0.1	0.1	0.091	0.094	88	91	75-125	3	20	
Barium	mg/L	0.080	0.1	0.1	0.18	0.18	102	104	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.099	95	99	75-125	4	20	
Boron	mg/L	8.7	0.1	0.1	9.0	9.3	334	617	75-125	3	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.090	0.092	90	92	75-125	2	20	
Calcium	mg/L	314	1	1	315	338	69	2430	75-125	7	20	M1
Chromium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20	
Cobalt	mg/L	0.0023J	0.1	0.1	0.094	0.097	92	95	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.089	0.091	89	91	75-125	2	20	
Molybdenum	mg/L	0.0069J	0.1	0.1	0.10	0.10	94	98	75-125	3	20	
Selenium	mg/L	0.0055	0.1	0.1	0.091	0.094	85	88	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.087	0.090	87	90	75-125	3	20	2g

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

QC Batch: 961107
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

METHOD BLANK: 4938864 Matrix: Water
Associated Lab Samples: 92818395001, 92818395002, 92818395003, 92818395004, 92818395005, 92818395006, 92818395007, 92818395008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	0.00013J	0.00020	0.000091	09/19/25 02:15	

LABORATORY CONTROL SAMPLE: 4938865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0021	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4938866 4938867

Parameter	Units	92818927007 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	0.002	0.002	0.0022	0.0022	101	100	80-120	1	20	

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QUALIFIERS

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

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.

WORKORDER QUALIFIERS

WO: 92818395

[1]	GEOSYNTEC
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

1g	Constant weight could not be achieved for this sample after 4 drying cycles. The final weight change was 0.0054 grams.
2g	The continuing calibration for this analyte is above laboratory acceptance limits. Analyte was greater than 10x the result in the associated blanks.
CU	The continuing calibration for this analyte is above laboratory acceptance limits. Analyte was not detected above the reporting limit in any of the associated samples.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92818395001	**BOW-PT-02**	3015	2603213	EPA 6020B	2603213
92818395002	**BOW-PT-04**	3015	2603213	EPA 6020B	2603213
92818395003	**BOW-PT-05**	3015	2603213	EPA 6020B	2603213
92818395004	**BOW-PT-06**	3015	2603213	EPA 6020B	2603213
92818395005	**BOW-INW-01**	3015	2603213	EPA 6020B	2603213
92818395006	**BOW-AP1-FD-01**	3015	2603213	EPA 6020B	2603213
92818395007	**BOW-AP1-FB-01**	3015	2603213	EPA 6020B	2603213
92818395008	**BOW-AP1-EB-01**	3015	2603213	EPA 6020B	2603213
92818395001	**BOW-PT-02**	SM 2320B-2021	960902		
92818395002	**BOW-PT-04**	SM 2320B-2021	960903		
92818395003	**BOW-PT-05**	SM 2320B-2021	960902		
92818395004	**BOW-PT-06**	SM 2320B-2021	960902		
92818395005	**BOW-INW-01**	SM 2320B-2021	961513		
92818395006	**BOW-AP1-FD-01**	SM 2320B-2021	960902		
92818395007	**BOW-AP1-FB-01**	SM 2320B-2021	960903		
92818395008	**BOW-AP1-EB-01**	SM 2320B-2021	960903		
92818395001	**BOW-PT-02**	SM 2540C-2020	961074		
92818395002	**BOW-PT-04**	SM 2540C-2020	961295		
92818395003	**BOW-PT-05**	SM 2540C-2020	961074		
92818395004	**BOW-PT-06**	SM 2540C-2020	961074		
92818395005	**BOW-INW-01**	SM 2540C-2020	961295		
92818395006	**BOW-AP1-FD-01**	SM 2540C-2020	961074		
92818395007	**BOW-AP1-FB-01**	SM 2540C-2020	961295		
92818395008	**BOW-AP1-EB-01**	SM 2540C-2020	961295		
92818395001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	960656		
92818395002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	960656		
92818395003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	960656		
92818395004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	960656		
92818395005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	960656		
92818395006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	960656		
92818395007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	960656		
92818395008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	960656		
92818395001	**BOW-PT-02**	EPA 3005A	964683	EPA 6020B	964922
92818395002	**BOW-PT-04**	EPA 3005A	964683	EPA 6020B	964922
92818395003	**BOW-PT-05**	EPA 3005A	964683	EPA 6020B	964922
92818395004	**BOW-PT-06**	EPA 3005A	964683	EPA 6020B	964922
92818395005	**BOW-INW-01**	EPA 3005A	964683	EPA 6020B	964922
92818395006	**BOW-AP1-FD-01**	EPA 3005A	964683	EPA 6020B	964922
92818395007	**BOW-AP1-FB-01**	EPA 3005A	964683	EPA 6020B	964922
92818395008	**BOW-AP1-EB-01**	EPA 3005A	964683	EPA 6020B	964922
92818395001	**BOW-PT-02**	EPA 7470A	961107	EPA 7470A	961539

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 CA MONTH 2
Pace Project No.: 92818395

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92818395002	**BOW-PT-04**	EPA 7470A	961107	EPA 7470A	961539
92818395003	**BOW-PT-05**	EPA 7470A	961107	EPA 7470A	961539
92818395004	**BOW-PT-06**	EPA 7470A	961107	EPA 7470A	961539
92818395005	**BOW-INW-01**	EPA 7470A	961107	EPA 7470A	961539
92818395006	**BOW-AP1-FD-01**	EPA 7470A	961107	EPA 7470A	961539
92818395007	**BOW-AP1-FB-01**	EPA 7470A	961107	EPA 7470A	961539
92818395008	**BOW-AP1-EB-01**	EPA 7470A	961107	EPA 7470A	961539

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92818395

92818395

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308	Phone #: (470) 217-0008
	E-Mail: knjurink@southernco.com
	Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noella Gangi
Customer Project #:	Invoice to: Account Payable
Project Name: Bowen AP-1 CA Month 2	Invoice E-mail: georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (If applicable): GPC95642-0007
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	*Appendix III, IV
BOW-PT-02	WG	G			9/11/25	1501	5			X	X	X	X
BOW-PT-04	WG	G			9/15/25	1103	5			X	X	X	X
BOW-PT-05	WG	G			9/11/25	1300	5			X	X	X	X
BOW-PT-06	WG	G			9/11/25	1109	5			X	X	X	X
BOW-INW-01	WG	G			9/15/25	1241	5			X	X	X	X
BOW-AP1-FD-01	WG	G			9/11/25	—	5			X	X	X	X
BOW-AP1-FB-01	WQ	G			9/15/25	1356	5			X	X	X	X
BOW-AP1-EB-01	WQ	G			9/15/25	1348	5			X	X	X	X

Specify Container Size **: 3 2 3 3 3

Identify Container Preservative Type***: 1 1 1 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3296139

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Task Code: BOW-CCR-CA-20250911

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium.

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon Northen

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	9/15/25 1603		9/15 1603	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GL Power

Project:

WO#: 92818395
PM: BV Due Date: 09/30/25
CLIENT: 92-GP-BOWLF

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A Date/Initials Person Examining Contents: 9/15 SM

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 73N Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.0 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): 5.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92818395

PM: BV Due Date: 09/30/25

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, 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

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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-)	DP3N-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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG0U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1				2																							
2		2	1				2																							
3		2	1				2																							
4		2	1				2																							
5		2	1				2																							
6		2	1				2																							
7		2	1				2																							
8		2	1				2																							
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.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 14, 2025

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Kevin Stephenson, Southern Company

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(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92824343001	**BOW-PT-02**	Water	10/16/25 11:15	10/17/25 09:16
92824343002	**BOW-PT-04**	Water	10/16/25 11:54	10/17/25 09:16
92824343003	**BOW-PT-05**	Water	10/15/25 13:27	10/17/25 09:16
92824343004	**BOW-PT-06**	Water	10/15/25 11:50	10/17/25 09:16
92824343005	**BOW-INW-01**	Water	10/15/25 15:10	10/17/25 09:16
92824343006	**BOW-AP1-FD-01**	Water	10/16/25 00:00	10/17/25 09:16
92824343007	**BOW-AP1-FB-01**	Water	10/16/25 12:57	10/17/25 09:16
92824343008	**BOW-AP1-EB-01**	Water	10/16/25 13:07	10/17/25 09:16

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92824343001	**BOW-PT-02**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343002	**BOW-PT-04**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343003	**BOW-PT-05**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343004	**BOW-PT-06**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343005	**BOW-INW-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CMW1	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343006	**BOW-AP1-FD-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	MDW	2	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2020	ACE	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343007	**BOW-AP1-FB-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92824343008	**BOW-AP1-EB-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2021	MDW	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		SM 4500-S2D-2021	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92824343001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00832	mg/L	0.00200	11/13/25 16:08	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	271	mg/L	5.0	10/28/25 15:33	
SM 2320B-2021	Alkalinity, Total(CaCO3) pH4.5	271	mg/L	5.0	10/28/25 15:33	
SM 2540C-2020	Total Dissolved Solids	890	mg/L	125	10/22/25 12:39	
EPA 300.0 Rev 2.1 1993	Chloride	169	mg/L	4.0	10/19/25 14:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	10/19/25 06:25	
EPA 300.0 Rev 2.1 1993	Sulfate	193	mg/L	4.0	10/19/25 14:32	
EPA 6020B	Barium	0.027	mg/L	0.0050	11/06/25 09:37	
EPA 6020B	Boron	6.2	mg/L	1.0	11/06/25 12:53	
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	11/06/25 09:37	
EPA 6020B	Calcium	212	mg/L	10.0	11/06/25 12:53	
EPA 6020B	Iron	0.37	mg/L	0.040	11/06/25 09:37	
EPA 6020B	Magnesium	34.4	mg/L	1.2	11/06/25 12:53	
EPA 6020B	Manganese	0.44	mg/L	0.12	11/06/25 12:53	
EPA 6020B	Molybdenum	0.032	mg/L	0.010	11/06/25 09:37	
EPA 6020B	Potassium	7.4	mg/L	0.40	11/06/25 09:37	
EPA 6020B	Selenium	0.0026J	mg/L	0.0050	11/06/25 09:37	
EPA 6020B	Sodium	58.2	mg/L	10.0	11/06/25 12:53	
EPA 6020B	Thallium	0.00038J	mg/L	0.00050	11/06/25 09:37	
92824343002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00579	mg/L	0.00200	11/13/25 16:11	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	205	mg/L	5.0	10/28/25 15:44	
SM 2320B-2021	Alkalinity, Total(CaCO3) pH4.5	205	mg/L	5.0	10/28/25 15:44	
SM 2540C-2020	Total Dissolved Solids	970	mg/L	125	10/22/25 12:39	
EPA 300.0 Rev 2.1 1993	Chloride	204	mg/L	5.0	10/19/25 14:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	10/19/25 07:16	
EPA 300.0 Rev 2.1 1993	Sulfate	230	mg/L	5.0	10/19/25 14:49	
EPA 6020B	Arsenic	0.0017J	mg/L	0.0020	11/06/25 09:46	
EPA 6020B	Barium	0.048	mg/L	0.0050	11/06/25 09:46	
EPA 6020B	Boron	6.8	mg/L	1.0	11/06/25 13:02	
EPA 6020B	Calcium	199	mg/L	10.0	11/06/25 13:02	
EPA 6020B	Cobalt	0.0041J	mg/L	0.0050	11/06/25 09:46	
EPA 6020B	Iron	0.68	mg/L	0.040	11/06/25 09:46	
EPA 6020B	Magnesium	48.6	mg/L	1.2	11/06/25 13:02	
EPA 6020B	Manganese	0.54	mg/L	0.12	11/06/25 13:02	
EPA 6020B	Molybdenum	0.018	mg/L	0.010	11/06/25 09:46	
EPA 6020B	Potassium	8.2	mg/L	0.40	11/06/25 09:46	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	11/06/25 09:46	
EPA 6020B	Sodium	58.7	mg/L	10.0	11/06/25 13:02	
EPA 6020B	Thallium	0.00071	mg/L	0.00050	11/06/25 09:46	
92824343003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00584	mg/L	0.00200	11/13/25 16:14	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	282	mg/L	5.0	10/27/25 16:11	
SM 2320B-2021	Alkalinity, Total(CaCO3) pH4.5	282	mg/L	5.0	10/27/25 16:11	
SM 2540C-2020	Total Dissolved Solids	898	mg/L	50.0	10/21/25 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	119	mg/L	4.0	10/19/25 15:06	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92824343003	**BOW-PT-05**					
EPA 300.0 Rev 2.1 1993	Fluoride	0.24	mg/L	0.10	10/19/25 07:33	
EPA 300.0 Rev 2.1 1993	Sulfate	200	mg/L	4.0	10/19/25 15:06	
EPA 6020B	Barium	0.035	mg/L	0.0050	11/06/25 09:55	
EPA 6020B	Boron	5.7	mg/L	1.0	11/06/25 13:11	
EPA 6020B	Calcium	205	mg/L	10.0	11/06/25 13:11	
EPA 6020B	Cobalt	0.0067	mg/L	0.0050	11/06/25 09:55	
EPA 6020B	Iron	0.34	mg/L	0.040	11/06/25 09:55	
EPA 6020B	Magnesium	37.0	mg/L	1.2	11/06/25 13:11	
EPA 6020B	Manganese	0.84	mg/L	0.12	11/06/25 13:11	
EPA 6020B	Molybdenum	0.028	mg/L	0.010	11/06/25 09:55	
EPA 6020B	Potassium	6.8	mg/L	0.40	11/06/25 09:55	
EPA 6020B	Sodium	20.0	mg/L	0.40	11/06/25 09:55	
EPA 6020B	Thallium	0.00062	mg/L	0.00050	11/06/25 09:55	
92824343004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00514	mg/L	0.00200	11/13/25 16:17	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	153	mg/L	5.0	10/27/25 16:19	
SM 2320B-2021	Alkalinity, Total(CaCO3) pH4.5	153	mg/L	5.0	10/27/25 16:19	
SM 2540C-2020	Total Dissolved Solids	1920	mg/L	250	10/21/25 15:42	
SM 4500-S2D-2021	Sulfide	0.029J	mg/L	0.10	10/18/25 03:27	
EPA 300.0 Rev 2.1 1993	Chloride	487	mg/L	11.0	10/19/25 15:22	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	10/19/25 07:50	
EPA 300.0 Rev 2.1 1993	Sulfate	361	mg/L	11.0	10/19/25 15:22	M1
EPA 6020B	Arsenic	0.0041	mg/L	0.0020	11/06/25 10:04	
EPA 6020B	Barium	0.082	mg/L	0.0050	11/06/25 10:04	
EPA 6020B	Boron	8.8	mg/L	2.0	11/06/25 13:20	
EPA 6020B	Calcium	351	mg/L	20.0	11/06/25 13:20	
EPA 6020B	Cobalt	0.0020J	mg/L	0.0050	11/06/25 10:04	
EPA 6020B	Iron	2.6	mg/L	0.040	11/06/25 10:04	
EPA 6020B	Magnesium	85.4	mg/L	2.5	11/06/25 13:20	
EPA 6020B	Manganese	0.82	mg/L	0.25	11/06/25 13:20	
EPA 6020B	Molybdenum	0.0074J	mg/L	0.010	11/06/25 10:04	
EPA 6020B	Potassium	11.9	mg/L	0.40	11/06/25 10:04	
EPA 6020B	Selenium	0.0058	mg/L	0.0050	11/06/25 10:04	
EPA 6020B	Sodium	65.0	mg/L	20.0	11/06/25 13:20	
EPA 7470A	Mercury	0.00020J	mg/L	0.00020	10/22/25 01:17	
92824343005	**BOW-INW-01**					
EPA 6020B	Lithium	0.00737	mg/L	0.00200	11/13/25 16:21	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	283	mg/L	5.0	10/27/25 17:16	
SM 2320B-2021	Alkalinity, Total(CaCO3) pH4.5	283	mg/L	5.0	10/27/25 17:16	M1
SM 2540C-2020	Total Dissolved Solids	1060	mg/L	125	10/21/25 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	166	mg/L	5.0	10/19/25 16:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	10/19/25 08:40	
EPA 300.0 Rev 2.1 1993	Sulfate	209	mg/L	5.0	10/19/25 16:12	
EPA 6020B	Barium	0.050	mg/L	0.0050	11/06/25 10:13	
EPA 6020B	Boron	6.8	mg/L	2.0	11/06/25 13:29	
EPA 6020B	Calcium	218	mg/L	20.0	11/06/25 13:29	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92824343005	**BOW-INW-01**					
EPA 6020B	Cobalt	0.0018J	mg/L	0.0050	11/06/25 10:13	
EPA 6020B	Iron	0.38	mg/L	0.040	11/06/25 10:13	
EPA 6020B	Magnesium	35.3	mg/L	2.5	11/06/25 13:29	
EPA 6020B	Manganese	0.51	mg/L	0.25	11/06/25 13:29	
EPA 6020B	Molybdenum	0.024	mg/L	0.010	11/06/25 10:13	
EPA 6020B	Potassium	9.3	mg/L	0.40	11/06/25 10:13	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	11/06/25 10:13	
EPA 6020B	Sodium	68.5	mg/L	20.0	11/06/25 13:29	
EPA 6020B	Thallium	0.00049J	mg/L	0.00050	11/06/25 10:13	
EPA 7470A	Mercury	0.00022	mg/L	0.00020	10/22/25 01:19	
92824343006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00849	mg/L	0.00200	11/13/25 16:24	
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	271	mg/L	5.0	10/28/25 15:53	
SM 2320B-2021	Alkalinity, Total(CaCO3) pH4.5	271	mg/L	5.0	10/28/25 15:53	
SM 2540C-2020	Total Dissolved Solids	880	mg/L	125	10/22/25 12:39	
EPA 300.0 Rev 2.1 1993	Chloride	169	mg/L	4.0	10/19/25 16:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	10/19/25 08:57	
EPA 300.0 Rev 2.1 1993	Sulfate	193	mg/L	4.0	10/19/25 16:29	
EPA 6020B	Barium	0.028	mg/L	0.0050	11/06/25 10:22	
EPA 6020B	Boron	6.3	mg/L	2.0	11/06/25 13:38	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	11/06/25 10:22	
EPA 6020B	Calcium	214	mg/L	20.0	11/06/25 13:38	
EPA 6020B	Iron	0.37	mg/L	0.040	11/06/25 10:22	
EPA 6020B	Magnesium	34.2	mg/L	2.5	11/06/25 13:38	
EPA 6020B	Manganese	0.44	mg/L	0.25	11/06/25 13:38	
EPA 6020B	Molybdenum	0.032	mg/L	0.010	11/06/25 10:22	
EPA 6020B	Potassium	7.7	mg/L	0.40	11/06/25 10:22	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	11/06/25 10:22	
EPA 6020B	Sodium	58.0	mg/L	20.0	11/06/25 13:38	
EPA 6020B	Thallium	0.00035J	mg/L	0.00050	11/06/25 10:22	
EPA 7470A	Mercury	0.00024	mg/L	0.00020	10/22/25 01:22	
92824343007	**BOW-AP1-FB-01**					
EPA 6020B	Boron	0.010J	mg/L	0.040	11/06/25 10:31	
EPA 7470A	Mercury	0.00021	mg/L	0.00020	10/22/25 01:24	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-02 **Lab ID: 92824343001** Collected: 10/16/25 11:15 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00832**	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:08	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**271**	mg/L	5.0	5.0	1		10/28/25 15:33		
Alkalinity, Total(CaCO3) pH4.5	**271**	mg/L	5.0	5.0	1		10/28/25 15:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**890**	mg/L	125	125	1		10/22/25 12:39		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**169**	mg/L	4.0	2.4	4		10/19/25 14:32	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.050	1		10/19/25 06:25	16984-48-8	
Sulfate	**193**	mg/L	4.0	2.0	4		10/19/25 14:32	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 09:37	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 09:37	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:37	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 09:37	7440-41-7	
Boron	**6.2**	mg/L	1.0	0.16	25	10/20/25 21:04	11/06/25 12:53	7440-42-8	
Cadmium	**0.00014J**	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 09:37	7440-43-9	
Calcium	**212**	mg/L	10.0	2.5	25	10/20/25 21:04	11/06/25 12:53	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:37	7440-48-4	
Iron	**0.37**	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 09:37	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 09:37	7439-92-1	
Magnesium	**34.4**	mg/L	1.2	0.25	25	10/20/25 21:04	11/06/25 12:53	7439-95-4	
Manganese	**0.44**	mg/L	0.12	0.031	25	10/20/25 21:04	11/06/25 12:53	7439-96-5	
Molybdenum	**0.032**	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 09:37	7439-98-7	
Potassium	**7.4**	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 09:37	7440-09-7	
Selenium	**0.0026J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:37	7782-49-2	
Sodium	**58.2**	mg/L	10.0	3.8	25	10/20/25 21:04	11/06/25 12:53	7440-23-5	
Thallium	**0.00038J**	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 09:37	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-02 **Lab ID: 92824343001** Collected: 10/16/25 11:15 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-04 **Lab ID: 92824343002** Collected: 10/16/25 11:54 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00579**	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:11	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**205**	mg/L	5.0	5.0	1		10/28/25 15:44		
Alkalinity, Total(CaCO3) pH4.5	**205**	mg/L	5.0	5.0	1		10/28/25 15:44		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**970**	mg/L	125	125	1		10/22/25 12:39		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:29	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**204**	mg/L	5.0	3.0	5		10/19/25 14:49	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		10/19/25 07:16	16984-48-8	
Sulfate	**230**	mg/L	5.0	2.5	5		10/19/25 14:49	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 09:46	7440-36-0	
Arsenic	**0.0017J**	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 09:46	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:46	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 09:46	7440-41-7	
Boron	**6.8**	mg/L	1.0	0.16	25	10/20/25 21:04	11/06/25 13:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 09:46	7440-43-9	
Calcium	**199**	mg/L	10.0	2.5	25	10/20/25 21:04	11/06/25 13:02	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:46	7440-47-3	
Cobalt	**0.0041J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:46	7440-48-4	
Iron	**0.68**	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 09:46	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 09:46	7439-92-1	
Magnesium	**48.6**	mg/L	1.2	0.25	25	10/20/25 21:04	11/06/25 13:02	7439-95-4	
Manganese	**0.54**	mg/L	0.12	0.031	25	10/20/25 21:04	11/06/25 13:02	7439-96-5	
Molybdenum	**0.018**	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 09:46	7439-98-7	
Potassium	**8.2**	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 09:46	7440-09-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:46	7782-49-2	
Sodium	**58.7**	mg/L	10.0	3.8	25	10/20/25 21:04	11/06/25 13:02	7440-23-5	
Thallium	**0.00071**	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 09:46	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-04 **Lab ID: 92824343002** Collected: 10/16/25 11:54 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:11	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-05 **Lab ID: 92824343003** Collected: 10/15/25 13:27 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00584**	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:14	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**282**	mg/L	5.0	5.0	1		10/27/25 16:11		
Alkalinity, Total(CaCO3) pH4.5	**282**	mg/L	5.0	5.0	1		10/27/25 16:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**898**	mg/L	50.0	50.0	1		10/21/25 15:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**119**	mg/L	4.0	2.4	4		10/19/25 15:06	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.050	1		10/19/25 07:33	16984-48-8	
Sulfate	**200**	mg/L	4.0	2.0	4		10/19/25 15:06	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 09:55	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 09:55	7440-38-2	
Barium	**0.035**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:55	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 09:55	7440-41-7	
Boron	**5.7**	mg/L	1.0	0.16	25	10/20/25 21:04	11/06/25 13:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 09:55	7440-43-9	
Calcium	**205**	mg/L	10.0	2.5	25	10/20/25 21:04	11/06/25 13:11	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:55	7440-47-3	
Cobalt	**0.0067**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:55	7440-48-4	
Iron	**0.34**	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 09:55	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 09:55	7439-92-1	
Magnesium	**37.0**	mg/L	1.2	0.25	25	10/20/25 21:04	11/06/25 13:11	7439-95-4	
Manganese	**0.84**	mg/L	0.12	0.031	25	10/20/25 21:04	11/06/25 13:11	7439-96-5	
Molybdenum	**0.028**	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 09:55	7439-98-7	
Potassium	**6.8**	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 09:55	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 09:55	7782-49-2	
Sodium	**20.0**	mg/L	0.40	0.15	1	10/20/25 21:04	11/06/25 09:55	7440-23-5	
Thallium	**0.00062**	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 09:55	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-05 **Lab ID: 92824343003** Collected: 10/15/25 13:27 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:14	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-06 **Lab ID: 92824343004** Collected: 10/15/25 11:50 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00514**	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:17	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**153**	mg/L	5.0	5.0	1		10/27/25 16:19		
Alkalinity, Total(CaCO3) pH4.5	**153**	mg/L	5.0	5.0	1		10/27/25 16:19		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1920**	mg/L	250	250	1		10/21/25 15:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	**0.029J**	mg/L	0.10	0.022	1		10/18/25 03:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**487**	mg/L	11.0	6.6	11		10/19/25 15:22	16887-00-6	M1
Fluoride	**0.13**	mg/L	0.10	0.050	1		10/19/25 07:50	16984-48-8	
Sulfate	**361**	mg/L	11.0	5.5	11		10/19/25 15:22	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 10:04	7440-36-0	
Arsenic	**0.0041**	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 10:04	7440-38-2	
Barium	**0.082**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:04	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 10:04	7440-41-7	
Boron	**8.8**	mg/L	2.0	0.31	50	10/20/25 21:04	11/06/25 13:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 10:04	7440-43-9	
Calcium	**351**	mg/L	20.0	5.0	50	10/20/25 21:04	11/06/25 13:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:04	7440-47-3	
Cobalt	**0.0020J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:04	7440-48-4	
Iron	**2.6**	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 10:04	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 10:04	7439-92-1	
Magnesium	**85.4**	mg/L	2.5	0.50	50	10/20/25 21:04	11/06/25 13:20	7439-95-4	
Manganese	**0.82**	mg/L	0.25	0.062	50	10/20/25 21:04	11/06/25 13:20	7439-96-5	
Molybdenum	**0.0074J**	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 10:04	7439-98-7	
Potassium	**11.9**	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:04	7440-09-7	
Selenium	**0.0058**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:04	7782-49-2	
Sodium	**65.0**	mg/L	20.0	7.5	50	10/20/25 21:04	11/06/25 13:20	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 10:04	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-PT-06 **Lab ID: 92824343004** Collected: 10/15/25 11:50 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00020J**	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:17	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-INW-01 **Lab ID: 92824343005** Collected: 10/15/25 15:10 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00737**	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:21	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**283**	mg/L	5.0	5.0	1		10/27/25 17:16		
Alkalinity, Total(CaCO3) pH4.5	**283**	mg/L	5.0	5.0	1		10/27/25 17:16		M1
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1060**	mg/L	125	125	1		10/21/25 15:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**166**	mg/L	5.0	3.0	5		10/19/25 16:12	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.050	1		10/19/25 08:40	16984-48-8	
Sulfate	**209**	mg/L	5.0	2.5	5		10/19/25 16:12	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 10:13	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 10:13	7440-38-2	
Barium	**0.050**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:13	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 10:13	7440-41-7	
Boron	**6.8**	mg/L	2.0	0.31	50	10/20/25 21:04	11/06/25 13:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 10:13	7440-43-9	
Calcium	**218**	mg/L	20.0	5.0	50	10/20/25 21:04	11/06/25 13:29	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:13	7440-47-3	
Cobalt	**0.0018J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:13	7440-48-4	
Iron	**0.38**	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 10:13	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 10:13	7439-92-1	
Magnesium	**35.3**	mg/L	2.5	0.50	50	10/20/25 21:04	11/06/25 13:29	7439-95-4	
Manganese	**0.51**	mg/L	0.25	0.062	50	10/20/25 21:04	11/06/25 13:29	7439-96-5	
Molybdenum	**0.024**	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 10:13	7439-98-7	
Potassium	**9.3**	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:13	7440-09-7	
Selenium	**0.0017J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:13	7782-49-2	
Sodium	**68.5**	mg/L	20.0	7.5	50	10/20/25 21:04	11/06/25 13:29	7440-23-5	
Thallium	**0.00049J**	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 10:13	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-INW-01 **Lab ID: 92824343005** Collected: 10/15/25 15:10 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00022**	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:19	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-AP1-FD-01 **Lab ID: 92824343006** Collected: 10/16/25 00:00 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00849**	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:24	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**271**	mg/L	5.0	5.0	1		10/28/25 15:53		
Alkalinity, Total(CaCO3) pH4.5	**271**	mg/L	5.0	5.0	1		10/28/25 15:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**880**	mg/L	125	125	1		10/22/25 12:39		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:29	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**169**	mg/L	4.0	2.4	4		10/19/25 16:29	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.050	1		10/19/25 08:57	16984-48-8	
Sulfate	**193**	mg/L	4.0	2.0	4		10/19/25 16:29	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 10:22	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 10:22	7440-38-2	
Barium	**0.028**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:22	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 10:22	7440-41-7	
Boron	**6.3**	mg/L	2.0	0.31	50	10/20/25 21:04	11/06/25 13:38	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 10:22	7440-43-9	
Calcium	**214**	mg/L	20.0	5.0	50	10/20/25 21:04	11/06/25 13:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:22	7440-48-4	
Iron	**0.37**	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 10:22	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 10:22	7439-92-1	
Magnesium	**34.2**	mg/L	2.5	0.50	50	10/20/25 21:04	11/06/25 13:38	7439-95-4	
Manganese	**0.44**	mg/L	0.25	0.062	50	10/20/25 21:04	11/06/25 13:38	7439-96-5	
Molybdenum	**0.032**	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 10:22	7439-98-7	
Potassium	**7.7**	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:22	7440-09-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:22	7782-49-2	
Sodium	**58.0**	mg/L	20.0	7.5	50	10/20/25 21:04	11/06/25 13:38	7440-23-5	
Thallium	**0.00035J**	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 10:22	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-AP1-FD-01 **Lab ID: 92824343006** Collected: 10/16/25 00:00 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00024**	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:22	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-AP1-FB-01 **Lab ID: 92824343007** Collected: 10/16/25 12:57 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:27	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/28/25 16:03		
Alkalinity, Total(CaCO3) pH4.5	ND	mg/L	5.0	5.0	1		10/28/25 16:03		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/22/25 12:40		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:31	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		10/18/25 18:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/25 18:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/25 18:19	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 10:31	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 10:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:31	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 10:31	7440-41-7	
Boron	**0.010J**	mg/L	0.040	0.0062	1	10/20/25 21:04	11/06/25 10:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 10:31	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:31	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:31	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 10:31	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 10:31	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	10/20/25 21:04	11/06/25 10:31	7439-95-4	
Manganese	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:31	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 10:31	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:31	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:31	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	10/20/25 21:04	11/06/25 10:31	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 10:31	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-AP1-FB-01 **Lab ID: 92824343007** Collected: 10/16/25 12:57 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00021**	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-AP1-EB-01 **Lab ID: 92824343008** Collected: 10/16/25 13:07 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	10/21/25 10:07	11/13/25 16:58	7439-93-2	
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/28/25 16:19		
Alkalinity, Total(CaCO3) pH4.5	ND	mg/L	5.0	5.0	1		10/28/25 16:19		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/22/25 12:40		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2021 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		10/18/25 03:32	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		10/18/25 18:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/25 18:35	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/25 18:35	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	10/20/25 21:04	11/06/25 10:57	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	10/20/25 21:04	11/06/25 10:57	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:57	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	10/20/25 21:04	11/06/25 10:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	10/20/25 21:04	11/06/25 10:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	10/20/25 21:04	11/06/25 10:57	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:57	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	10/20/25 21:04	11/06/25 10:57	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	10/20/25 21:04	11/06/25 10:57	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	10/20/25 21:04	11/06/25 10:57	7439-95-4	
Manganese	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:57	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	10/20/25 21:04	11/06/25 10:57	7439-98-7	
Potassium	ND	mg/L	0.40	0.10	1	10/20/25 21:04	11/06/25 10:57	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	10/20/25 21:04	11/06/25 10:57	7782-49-2	
Sodium	ND	mg/L	0.40	0.15	1	10/20/25 21:04	11/06/25 10:57	7440-23-5	
Thallium	ND	mg/L	0.00050	0.00015	1	10/20/25 21:04	11/06/25 10:57	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Sample: BOW-AP1-EB-01 **Lab ID: 92824343008** Collected: 10/16/25 13:07 Received: 10/17/25 09:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	10/21/25 19:45	10/22/25 01:32	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 2623268 — Analysis Method: EPA 6020B
QC Batch Method: 3015 — Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

METHOD BLANK: R4300738-1 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	11/13/25 15:11	

LABORATORY CONTROL SAMPLE: R4300738-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0520	104	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4300738-7 R4300738-8

Parameter	Units	L1909378-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0504	0.0511	101	102	75.0-125	1.41	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 969329
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343003, 92824343004

METHOD BLANK: 4982099 Matrix: Water
Associated Lab Samples: 92824343003, 92824343004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	ND	5.0	5.0	10/27/25 12:57	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/27/25 12:57	

LABORATORY CONTROL SAMPLE: 4982100

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	50	50.5	101	80-120	

LABORATORY CONTROL SAMPLE: 4982101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	50	49.6	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4982102 4982103

Parameter	Units	92825413001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total(CaCO3) pH4.5	mg/L	327	50	50	373	380	91	105	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4982104 4982105

Parameter	Units	92825413002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total(CaCO3) pH4.5	mg/L	164	50	50	209	213	90	98	80-120	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 969330
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343005

METHOD BLANK: 4982106 Matrix: Water
Associated Lab Samples: 92824343005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	ND	5.0	5.0	10/27/25 17:00	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/27/25 17:00	

LABORATORY CONTROL SAMPLE: 4982107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	50	50.5	101	80-120	

LABORATORY CONTROL SAMPLE: 4982108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	50	49.2	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4982109 4982110

Parameter	Units	92824343005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total(CaCO3) pH4.5	mg/L	283	50	50	331	319	95	71	80-120	4	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4982111 4982112

Parameter	Units	92824831001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total(CaCO3) pH4.5	mg/L	215	50	50	310	306	190	181	80-120	1	25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 969342
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343001, 92824343002, 92824343006, 92824343007, 92824343008

METHOD BLANK: 4982135 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	ND	5.0	5.0	10/28/25 14:25	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/28/25 14:25	

LABORATORY CONTROL SAMPLE: 4982136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	50	51.6	103	80-120	

LABORATORY CONTROL SAMPLE: 4982137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total(CaCO3) pH4.5	mg/L	50	49.8	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4982138 4982139

Parameter	Units	92824347004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total(CaCO3) pH4.5	mg/L	ND	50	50	52.6	52.5	103	103	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4982140 4982141

Parameter	Units	92824347005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total(CaCO3) pH4.5	mg/L	57.4	50	50	108	107	102	100	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 968163
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343003, 92824343004, 92824343005

METHOD BLANK: 4976004 Matrix: Water
Associated Lab Samples: 92824343003, 92824343004, 92824343005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/21/25 15:42	

LABORATORY CONTROL SAMPLE: 4976005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	246	98	90-110	

SAMPLE DUPLICATE: 4976006

Parameter	Units	92824343003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	898	896	0	25	

SAMPLE DUPLICATE: 4976007

Parameter	Units	92824050001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	316	309	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 968272 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343001, 92824343002, 92824343006, 92824343007, 92824343008

METHOD BLANK: 4976567 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/22/25 12:38	

LABORATORY CONTROL SAMPLE: 4976568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	252	101	90-110	

SAMPLE DUPLICATE: 4976569

Parameter	Units	92823685015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	233	221	5	25	

SAMPLE DUPLICATE: 4976570

Parameter	Units	92824344001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	233	235	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 967619
QC Batch Method: SM 4500-S2D-2021
Analysis Method: SM 4500-S2D-2021
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

METHOD BLANK: 4973306 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	10/18/25 03:21	

LABORATORY CONTROL SAMPLE: 4973307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4973308 4973309

Parameter	Units	92824147001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.48	0.48	94	94	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4973310 4973311

Parameter	Units	92824343006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.51	0.51	101	102	80-120	0	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 967666
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

METHOD BLANK: 4973505 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/19/25 02:46	
Fluoride	mg/L	ND	0.10	0.050	10/19/25 02:46	
Sulfate	mg/L	ND	1.0	0.50	10/19/25 02:46	

LABORATORY CONTROL SAMPLE: 4973506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4973507 4973508

Parameter	Units	92824440016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.1	50	50	100	98.0	78	74	90-110	2	10	M1
Fluoride	mg/L	0.30	2.5	2.5	2.9	2.9	102	103	90-110	1	10	
Sulfate	mg/L	ND	50	50	51.9	52.1	103	103	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4973509 4973510

Parameter	Units	92824343004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	487	50	50	521	521	68	68	90-110	0	10	M1
Fluoride	mg/L	0.13	2.5	2.5	2.7	2.7	101	102	90-110	1	10	
Sulfate	mg/L	361	50	50	397	397	73	73	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 967712
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

METHOD BLANK: 4973644 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	11/06/25 09:19	
Arsenic	mg/L	ND	0.0020	0.0012	11/06/25 09:19	
Barium	mg/L	ND	0.0050	0.0012	11/06/25 09:19	
Beryllium	mg/L	ND	0.00040	0.00015	11/06/25 09:19	
Boron	mg/L	ND	0.040	0.0062	11/06/25 09:19	
Cadmium	mg/L	ND	0.00050	0.00012	11/06/25 09:19	
Calcium	mg/L	ND	0.40	0.10	11/06/25 09:19	
Chromium	mg/L	ND	0.0050	0.0012	11/06/25 09:19	
Cobalt	mg/L	ND	0.0050	0.0012	11/06/25 09:19	
Iron	mg/L	ND	0.040	0.012	11/06/25 09:19	
Lead	mg/L	ND	0.0010	0.00025	11/06/25 09:19	
Magnesium	mg/L	ND	0.050	0.010	11/06/25 09:19	
Manganese	mg/L	ND	0.0050	0.0012	11/06/25 09:19	
Molybdenum	mg/L	ND	0.010	0.0025	11/06/25 09:19	
Potassium	mg/L	ND	0.40	0.10	11/06/25 09:19	
Selenium	mg/L	ND	0.0050	0.0012	11/06/25 09:19	
Sodium	mg/L	ND	0.40	0.15	11/06/25 09:19	
Thallium	mg/L	ND	0.00050	0.00015	11/06/25 09:19	

LABORATORY CONTROL SAMPLE: 4973645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.090	90	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	0.1	0.095	95	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	1.1	105	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Iron	mg/L	1	0.91	91	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Magnesium	mg/L	1	0.94	94	80-120	
Manganese	mg/L	0.1	0.10	101	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Potassium	mg/L	1	0.97	97	80-120	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

LABORATORY CONTROL SAMPLE: 4973645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.084	84	80-120	
Sodium	mg/L	1	0.99	99	80-120	
Thallium	mg/L	0.1	0.10	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4973646 4973647

Parameter	Units	92824317004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	112	111	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Barium	mg/L	92.9 ug/L	0.1	0.1	0.20	0.19	103	101	75-125	1	20	
Beryllium	mg/L	0.22J ug/L	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Boron	mg/L	6.6J ug/L	0.1	0.1	0.10	0.10	97	96	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	2	20	
Calcium	mg/L	318J ug/L	1	1	1.4	1.3	106	102	75-125	3	20	
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	108	106	75-125	2	20	
Cobalt	mg/L	23.9 ug/L	0.1	0.1	0.13	0.13	111	109	75-125	1	20	
Iron	mg/L	359 ug/L	1	1	1.3	1.3	96	97	75-125	1	20	
Lead	mg/L	0.27J ug/L	0.1	0.1	0.10	0.10	99	99	75-125	0	20	
Magnesium	mg/L	752 ug/L	1	1	1.8	1.7	107	97	75-125	6	20	
Manganese	mg/L	804 ug/L	0.1	0.1	0.92	0.91	121	106	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Potassium	mg/L	1930 ug/L	1	1	3.0	2.9	104	98	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	99	99	75-125	0	20	
Sodium	mg/L	2400 ug/L	1	1	3.5	3.4	111	102	75-125	2	20	
Thallium	mg/L	0.56 ug/L	0.1	0.1	0.10	0.10	101	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

QC Batch: 968263
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

METHOD BLANK: 4976501 Matrix: Water
Associated Lab Samples: 92824343001, 92824343002, 92824343003, 92824343004, 92824343005, 92824343006, 92824343007, 92824343008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	10/22/25 00:41	

LABORATORY CONTROL SAMPLE: 4976502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4976503 4976504

Parameter	Units	92824343001 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	0.002	0.002	0.0019	0.0019	96	96	80-120	0	20	

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QUALIFIERS

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

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.

WORKORDER QUALIFIERS

WO: 92824343

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92824343001	**BOW-PT-02**	3015	2623268	EPA 6020B	2623268
92824343002	**BOW-PT-04**	3015	2623268	EPA 6020B	2623268
92824343003	**BOW-PT-05**	3015	2623268	EPA 6020B	2623268
92824343004	**BOW-PT-06**	3015	2623268	EPA 6020B	2623268
92824343005	**BOW-INW-01**	3015	2623268	EPA 6020B	2623268
92824343006	**BOW-AP1-FD-01**	3015	2623268	EPA 6020B	2623268
92824343007	**BOW-AP1-FB-01**	3015	2623268	EPA 6020B	2623268
92824343008	**BOW-AP1-EB-01**	3015	2623268	EPA 6020B	2623268
92824343001	**BOW-PT-02**	SM 2320B-2021	969342		
92824343002	**BOW-PT-04**	SM 2320B-2021	969342		
92824343003	**BOW-PT-05**	SM 2320B-2021	969329		
92824343004	**BOW-PT-06**	SM 2320B-2021	969329		
92824343005	**BOW-INW-01**	SM 2320B-2021	969330		
92824343006	**BOW-AP1-FD-01**	SM 2320B-2021	969342		
92824343007	**BOW-AP1-FB-01**	SM 2320B-2021	969342		
92824343008	**BOW-AP1-EB-01**	SM 2320B-2021	969342		
92824343001	**BOW-PT-02**	SM 2540C-2020	968272		
92824343002	**BOW-PT-04**	SM 2540C-2020	968272		
92824343003	**BOW-PT-05**	SM 2540C-2020	968163		
92824343004	**BOW-PT-06**	SM 2540C-2020	968163		
92824343005	**BOW-INW-01**	SM 2540C-2020	968163		
92824343006	**BOW-AP1-FD-01**	SM 2540C-2020	968272		
92824343007	**BOW-AP1-FB-01**	SM 2540C-2020	968272		
92824343008	**BOW-AP1-EB-01**	SM 2540C-2020	968272		
92824343001	**BOW-PT-02**	SM 4500-S2D-2021	967619		
92824343002	**BOW-PT-04**	SM 4500-S2D-2021	967619		
92824343003	**BOW-PT-05**	SM 4500-S2D-2021	967619		
92824343004	**BOW-PT-06**	SM 4500-S2D-2021	967619		
92824343005	**BOW-INW-01**	SM 4500-S2D-2021	967619		
92824343006	**BOW-AP1-FD-01**	SM 4500-S2D-2021	967619		
92824343007	**BOW-AP1-FB-01**	SM 4500-S2D-2021	967619		
92824343008	**BOW-AP1-EB-01**	SM 4500-S2D-2021	967619		
92824343001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	967666		
92824343002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	967666		
92824343003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	967666		
92824343004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	967666		
92824343005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	967666		
92824343006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	967666		
92824343007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	967666		
92824343008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	967666		
92824343001	**BOW-PT-02**	EPA 3005A	967712	EPA 6020B	971934
92824343002	**BOW-PT-04**	EPA 3005A	967712	EPA 6020B	971934
92824343003	**BOW-PT-05**	EPA 3005A	967712	EPA 6020B	971934
92824343004	**BOW-PT-06**	EPA 3005A	967712	EPA 6020B	971934

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Month 3
Pace Project No.: 92824343

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92824343005	**BOW-INW-01**	EPA 3005A	967712	EPA 6020B	971934
92824343006	**BOW-AP1-FD-01**	EPA 3005A	967712	EPA 6020B	971934
92824343007	**BOW-AP1-FB-01**	EPA 3005A	967712	EPA 6020B	971934
92824343008	**BOW-AP1-EB-01**	EPA 3005A	967712	EPA 6020B	971934
92824343001	**BOW-PT-02**	EPA 7470A	968263	EPA 7470A	968532
92824343002	**BOW-PT-04**	EPA 7470A	968263	EPA 7470A	968532
92824343003	**BOW-PT-05**	EPA 7470A	968263	EPA 7470A	968532
92824343004	**BOW-PT-06**	EPA 7470A	968263	EPA 7470A	968532
92824343005	**BOW-INW-01**	EPA 7470A	968263	EPA 7470A	968532
92824343006	**BOW-AP1-FD-01**	EPA 7470A	968263	EPA 7470A	968532
92824343007	**BOW-AP1-FB-01**	EPA 7470A	968263	EPA 7470A	968532
92824343008	**BOW-AP1-EB-01**	EPA 7470A	968263	EPA 7470A	968532

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92824343

92824343

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 10/17/25 (dw

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2 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): 2.2

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☑ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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# : 92824343

PM: BV **Due Date: 10/31/25**

CLIENT: 92-GP-BOWLF

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)		DP3R-250 mL Plastic (NH4)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)
CC																													
1		2	1				2	1																					
2		2	1				2	1																					
3		2	1				2	1																					
4		2	1				2	1																					
5		2	1				2	1																					
6		2	1				2	1																					
7		2	1				2	1																					
8		2	1				2	1																					
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.

Pace® Location Requested (City/State):

Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

Street Address: 241 Ralph McGill Blvd NE, Bin 10160, Atlanta, GA 30308

Customer Project #:

Project Name: Bowen AP-1 CA Month 3

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjurink@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gangi

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC95642-0007

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (If applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	2320B Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0-F-, SO4 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals
Specify Container Size **										3	2	3	4	3
Identify Container Preservative Type***										1	1	1	5+6	2
BOW-PT-02	WG	G			10/16/25	1115	6			X	X	X	X	X
BOW-PT-04	WG	G			10/16/25	1154	6			X	X	X	X	X
BOW-PT-05	WG	G			10/15/25	1327	6			X	X	X	X	X
BOW-PT-06	WG	G			10/15/25	1150	6			X	X	X	X	X
BOW-INW-01	WG	G			10/15/25	1510	6			X	X	X	X	X
BOW-AP1-FD-01	WG	G			10/16/25	—	6			X	X	X	X	X
BOW-AP1-FB-01	WQ	G			10/16/25	1257	6			X	X	X	X	X
BOW-AP1-EB-01	WQ	G			10/16/25	1307	6			X	X	X	X	X

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore (5g 90mL), (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3307235

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Task Code: BOW-CCR-CA-~~00251015~~ 2025i015

*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS

*Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium

*Additional Metals: Iron, Magnesium, Manganese, Potassium, Sodium

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Shannon

Printed Name: Northen

Signature:

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
EnSafe	10/17/25 9:16		10/17/25 0916	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

APPENDIX E

Potable Well Survey Report

Plant Bowen
17 Covered Bridge Rd SW
Cartersville, GA 30120

Inquiry Number: 08157392.1r
October 30, 2025

The EDR GeoCheck® Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

PLANT BOWEN
17 COVERED BRIDGE RD SW
CARTERSVILLE, GA 30120

TARGET PROPERTY COORDINATES

Latitude (North):	34.125279 - 34° 7' 31.00''
Longitude (West):	84.921559 - 84° 55' 17.61''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	691677.3
UTM Y (Meters):	3777802.8
Elevation:	723 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34084-B8 KINGSTON, GA
Version Date:	1972
South Map:	34084-A8 TAYLORSVILLE, GA
Version Date:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

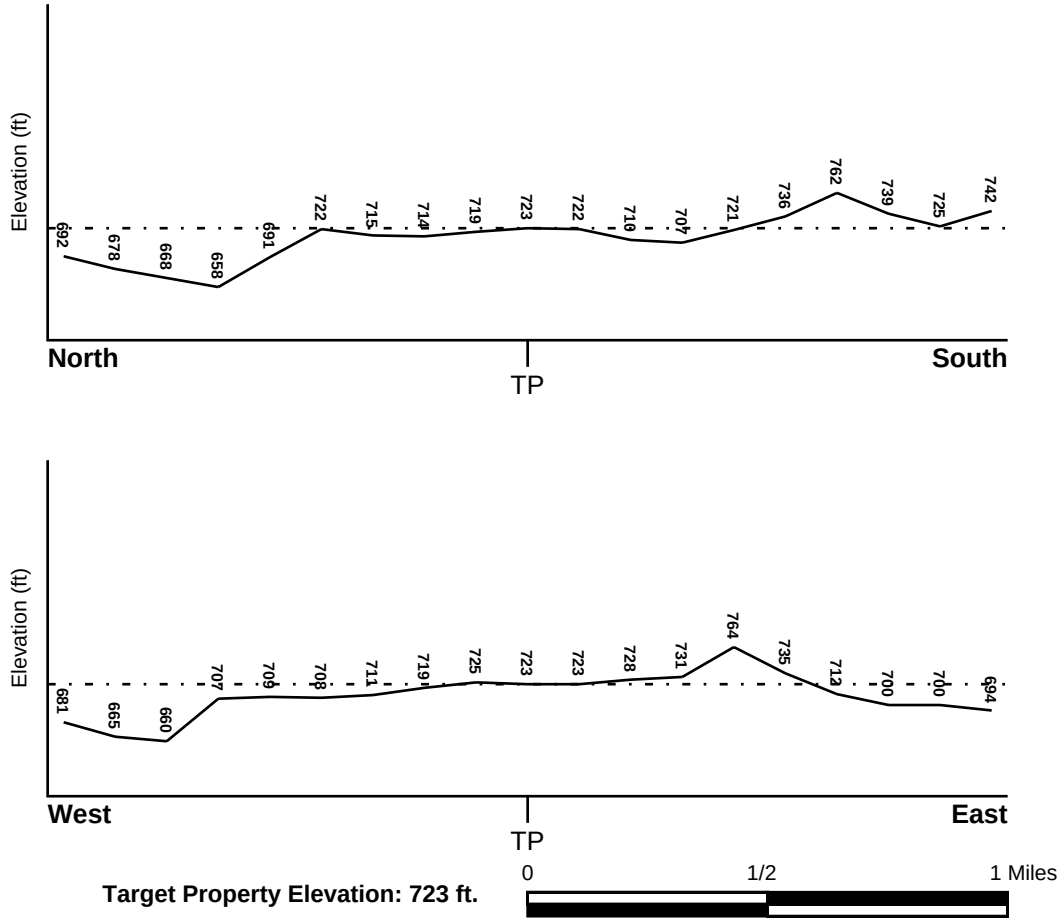
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
13015C0245G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
13015C0240G	FEMA FIRM Flood data
13233C0125D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
KINGSTON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Ordovician
Code:	O *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	TALLAPOOSA
Soil Surface Texture:	gravelly - silt loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	4 inches	gravelly - silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
2	4 inches	10 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
3	10 inches	19 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
4	19 inches	60 inches	weathered bedrock	Not reported	Not reported	Max: 0.06 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
silt loam

Surficial Soil Types: loam
silt loam

Shallow Soil Types: silt loam
sandy clay loam

Deeper Soil Types: loamy fine sand
stratified

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	2.000
Federal FRDS PWS	2.000
State Database	2.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000266609	1 - 2 Miles NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

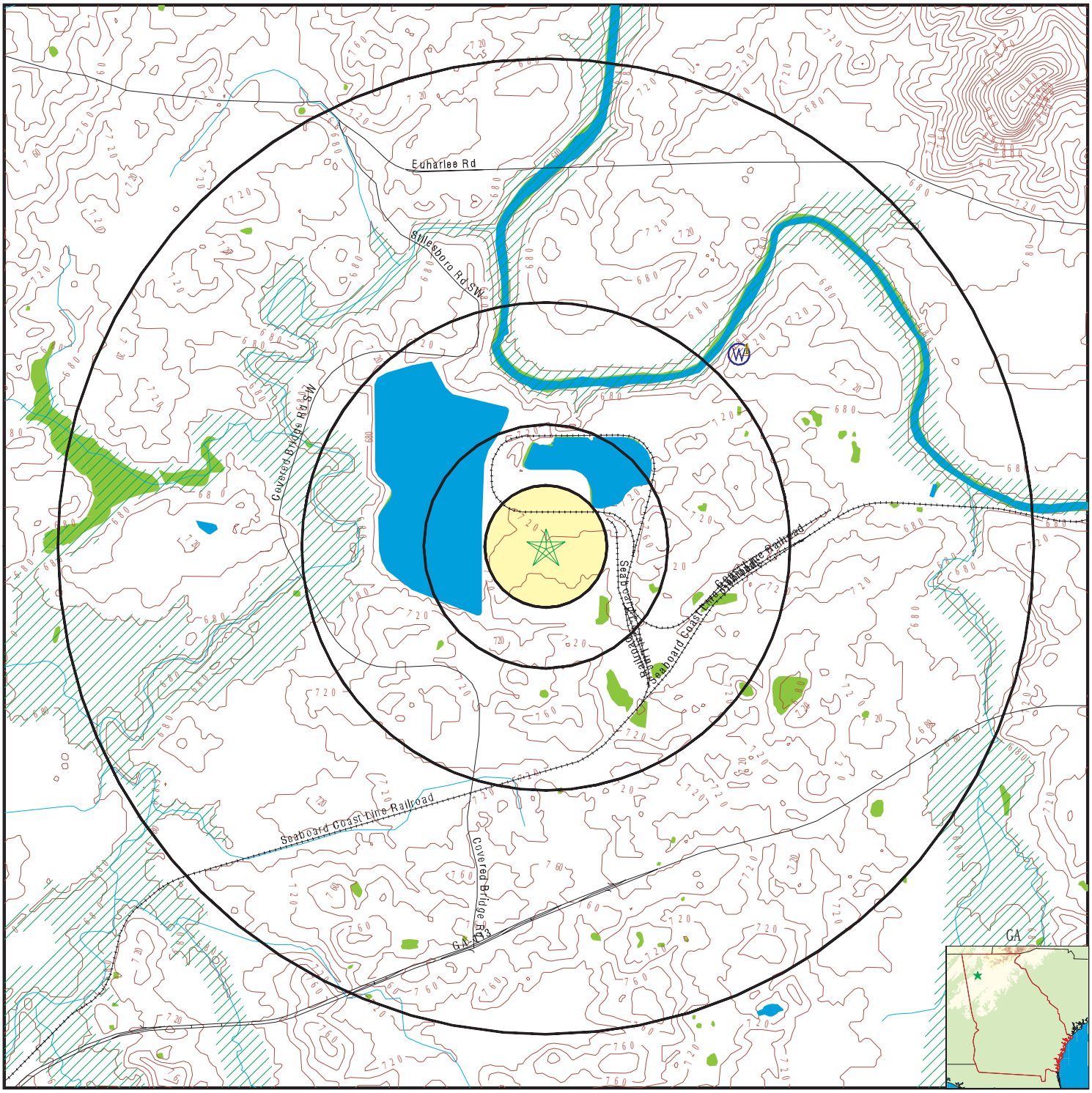
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 08157392.1r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Wildlife Areas

SITE NAME: Plant Bowen	CLIENT: Geosyntec Consultants
ADDRESS: 17 Covered Bridge Rd SW Cartersville GA 30120	CONTACT: Autumn Acree
LAT/LONG: 34.125279 / 84.921559	INQUIRY #: 08157392.1r DATE: October 30, 2025 12:43 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NE
1 - 2 Miles
Lower

FED USGS **USGS40000266609**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	06HH05	Type:	Well
Description:	Not Reported	HUC:	03150104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for BARTOW County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 30120

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.720 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.833 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Georgia GIS Clearinghouse
Telephone: 706-542-1581

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

A listing of Private Water Well locations
Georgia Department of Public Health
Telephone: (404) 657-2700
A listing of Private Water Well locations

Georgia Public Supply Wells
Source: Georgia Department of Community Affairs
Telephone: 404-894-0127

USGS Georgia Water Wells
Source: USGS, Georgia District Office
Telephone: 770-903-9100

DNR Managed Lands
Source: Department of Natural Resources
Telephone: 706-557-3032
This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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