Prepared for

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2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT BOWEN ASH POND 1 (AP-1)

Prepared by

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Project Number GW6581F

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CERTIFICATION STATEMENT

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



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August 29, 2025
Date

SUMMARY

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

[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

the 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 semiannual reporting period, Geosyntec conducted a groundwater sampling event in February 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 semiannual 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 semiannual 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 semiannual reporting period, the Site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to GA EPD semiannually.

[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
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
Calcium	BGWC-7, 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
pH	BGWC-16, BGWC-18, 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
Total Dissolved Solids	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24
Appendix IV Constituent[4]	**February 2025**
Arsenic[5]	BGWC-34D
Cobalt	BGWC-16, BGWC-22
Molybdenum	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
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
MNA	Monitored Natural Attenuation
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 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Bowen (Site) Ash Pond 1 (AP-1) for the reporting period of January through July 2025 (referred to herein as the "semiannual reporting period").

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

Due to statistically significant levels (SSLs) of cobalt and molybdenum reported in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2019a), Georgia Power initiated an assessment of corrective measures (ACM) for AP-1 in January 2019. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-1 in accordance with the assessment monitoring program established for the unit in 2018, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). A *Draft Remedy Selection Report,* which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on February 28, 2023 with revisions provided on July 5, 2024, (Geosyntec, 2023c, GEOS ID 739305; Geosyntec, 2024b, GEOS ID 854212) and is currently under review. 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 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). The SSL of cobalt in BGWC-16 identified during the 2024 reporting period is horizontally and vertically delineated to below GWPS.

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. Groundwater flow in the dolomite/limestone bedrock is likely controlled by the secondary porosity features that are typically filled with residuum.

1.3 Groundwater Monitoring Well Network

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

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

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

The locations of the current detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**; well and piezometer construction details are listed in **Table 1**. A Groundwater Monitoring Plan Minor Modification was submitted to GA EPD on May 5, 2025, and subsequently approved on July 16, 2025. Approved modifications on the monitoring well network include repurposing six assessment monitoring wells (BGWA-6, BGWC-37D, BGWC-39, BGWC-41D, BGWC-42D, and BGWC-44D) to piezometers, repurposing one piezometer (PZ-7) to horizontal assessment monitoring well, and repurposing one detection monitoring well (BGWA-33) to a piezometer.

2.0 GROUNDWATER MONITORING ACTIVITIES

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

2.1 Monitoring Well Installation and Maintenance

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

The well and piezometer networks are inspected semiannually to evaluate if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In February 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, 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 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 semiannual reporting period are summarized in **Table 2**. Details of these events and analytical results are discussed in Section 3.

2.3 Additional Groundwater Evaluations

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 the 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 this semiannual reporting period 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.

3.0 SAMPLING METHODOLOGY AND ANALYSES

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

3.1 Groundwater and Surface Water Level Measurement

A synoptic round of depth-to-groundwater-level measurements were recorded from the AP-1 wells and piezometers during the February 2025 assessment monitoring events and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. The February 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 2025 event, which are presented on **Figure 3**. Groundwater flow pathways at the Site are expected to be influenced by solution features, fractures, and weathered zones in the upper bedrock. Interpretation of the potentiometric surface contours indicates that groundwater generally flows to the north, northwest, and west. A component of flow in the southernmost portion of AP-1 is to the south and west, likely due to groundwater mounding related to historical free water storage at the former recycle pond at the southern end of AP-1 (now decommissioned), the influence of which has reduced since closure activities began in 2021. Under post-closure conditions, the groundwater flow direction is anticipated to resemble the regional flow regime more closely (south to north).

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the residuum and fractured and solutioned bedrock of the uppermost aquifer beneath AP-1 were calculated using groundwater elevation data recorded during the February 2025 gauging event, and along three main interpreted groundwater flow paths to account for changing flow directions underlying AP-1, as discussed in Section 3.1 (i.e., northwest, west, and south/southwest). Horizontal hydraulic gradients were calculated between the following well pairs: 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 **Figure 3**. The calculated hydraulic gradient along the north, west, and south/southwest flow paths for the semiannual reporting period are 0.013 feet per foot (ft/ft), 0.012 ft/ft, and 0.027 ft/ft, respectively.

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

The approximate horizontal flow velocities along the 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 x 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 0.22 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 semiannual reporting period are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

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

In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal and site-specific guidance documents (USEPA, 2011; USEPA, 2017). Where necessary, the data were qualified with supporting documentation and justifications. The 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 semiannual reporting period. The data were analyzed by Groundwater Stats Consulting (GSC); the reports generated from the analyses are provided in **Appendix C**.

4.1 Statistical Methods

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

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

4.1.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs) combined with a 1-of-2 verification resample plan for each of the Appendix III constituents. Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the same limit for each constituent to assess whether there are 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

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix C**). Statistically significant increasing trends of cobalt were identified in BGWC-16 and BGWC-22 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 semiannual reporting period are consistent with the 2024 annual reporting period.

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 two sampling events (December 2024 and February 2024), indicating vertical delineation of cobalt SSL. The groundwater data from the February 2025 semiannual assessment monitoring event were used to generate the cobalt and molybdenum iso-concentration maps presented on **Figure 4** and **5**.

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 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) and is currently being reviewed by GA EPD. The report summarizes:

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

In the interim of GA EPD's review of the revised *Draft Remedy Selection Report*, 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, and included as attachment to the *2025 Semiannual Pilot Study Progress Summary*, which is provided as **Appendix D**.

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 are provided in **Appendix D**.

Updates concerning the pilot study and analytical results received after July 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.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Semiannual Groundwater Monitoring and Corrective Action Report* for Plant Bowen AP-1 was prepared to fulfill the requirements of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical analyses of the groundwater monitoring data for AP-1 for the semiannual reporting period identified the continued presence of SSLs of arsenic in BGWC-34D, cobalt in BGWC-22 and BGWC-16, and molybdenum in BGWC-43D. Based on the most current groundwater quality, the SSLs in BGWC-34D, BGWC-22, BGWC-16, 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).

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). The next routine semiannual assessment monitoring event for AP-1 is tentatively scheduled for August 2025, with post-injection performance monitoring events conducted at regular intervals through the next reporting cycle. 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	89.4	Bedrock/Dolomite	10/29/2015
BGWA-29	Detection	Upgradient	1498283.04	2066362.32	718.84	721.38	632.88	622.88	98.8	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	90.5	Bedrock/Limestone	10/01/2015
BGWC-8	Detection	Downgradient	1504671.82	2066929.46	703.71	706.43	636.83	626.83	79.9	Bedrock/Limestone/Dolomite	11/18/2015
BGWC-9	Detection	Downgradient	1504909.12	2066143.27	689.18	691.93	638.33	628.33	63.9	Bedrock/Dolomite	11/13/2015
BGWC-10	Detection	Downgradient	1505033.22	2066081.09	683.39	686.06	633.66	623.66	62.7	Bedrock/Limestone/Dolomite	10/07/2015
BGWC-12	Detection	Downgradient	1505279.88	2065908.56	691.71	694.41	626.01	616.01	78.7	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	49.3	Bedrock/Dolomite	11/12/2015
BGWC-17	Detection	Downgradient	1504432.00	2064259.38	671.25	673.65	615.35	605.35	68.6	Bedrock/Dolomite	11/17/2015
BGWC-18	Detection	Downgradient	1504118.73	2064257.00	670.32	672.88	645.08	635.08	38.1	Bedrock/Dolomite	10/13/2015
BGWC-19	Detection	Downgradient	1503742.25	2064244.66	671.04	673.61	628.91	618.91	55	Bedrock/Dolomite	10/12/2015
BGWC-20	Detection	Downgradient	1503367.73	2064259.55	672.29	675.14	635.14	625.14	50.3	Bedrock/Limestone	10/09/2015
BGWC-21	Detection	Downgradient	1501627.51	2064348.09	688.53	691.33	648.63	638.63	53	Bedrock/Dolomite	03/02/2016
BGWC-22	Detection	Downgradient	1501323.76	2064358.05	692.64	695.50	662.60	652.60	43.2	Bedrock/Dolomite	10/08/2015
BGWC-23	Detection	Downgradient	1501000.57	2064350.17	693.16	695.50	654.30	644.30	51.5	Bedrock/Dolomite	10/15/2015
BGWC-24	Detection	Downgradient	1500621.22	2065032.84	699.46	702.27	646.27	636.27	66.3	Bedrock/Limestone	10/27/2015
BGWC-25	Detection	Downgradient	1502292.73	2064244.10	677.60	680.47	632.87	622.87	57.9	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	82.2	Bedrock/Limestone/Dolomite	01/21/2021
BGWA-6	Assessment	Downgradient	1499262.01	2065797.30	714.49	716.93	663.93	653.93	63.3	Bedrock/Dolomite	11/06/2015
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	51.2	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-37D	Assessment	Downgradient	1501293.16	2064362.70	693.50	696.05	595.83	585.83	110.55	Bedrock/Limestone	04/25/2019
BGWC-38D	Assessment	Downgradient	1499802.36	2066430.17	697.52	700.34	584.86	574.86	125.81	Bedrock/Limestone	04/18/2019
BGWC-39	Assessment	Downgradient	1501241.94	2064095.41	676.58	679.12	661.91	651.91	27.54	Bedrock/Limestone	12/06/2019
BGWC-40	Assessment	Downgradient	1500589.93	2064317.38	687.12	689.59	637.45	627.45	62.47	Bedrock/Limestone	12/03/2019
BGWC-41D	Assessment	Downgradient	1501255.96	2064096.23	676.43	679.12	631.76	621.76	57.69	Bedrock/Limestone/Dolomite	04/27/2020
BGWC-42D	Assessment	Downgradient	1501280.52	2064365.25	693.98	696.90	553.31	543.31	153.92	Bedrock/Limestone/Dolomite	05/03/2020
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-44D	Assessment	Downgradient	1499265.15	2065811.06	714.65	717.30	584.98	574.98	142.64	Bedrock/Limestone/Dolomite	04/22/2020
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
BGWA-33	Piezometer	Upgradient	1497972.13	2064876.80	740.39	743.25	672.69	662.69	80.86	Bedrock/Limestone	07/10/2018
BGWA-1	Piezometer	Downgradient	1499101.23	2067205.48	718.33	720.90	672.00	662.00	59.2	Bedrock/Limestone/Dolomite	11/17/2015
BGWA-3	Piezometer	Downgradient	1499420.87	2065185.74	721.80	724.28	645.08	635.08	89.5	Bedrock/Dolomite	11/05/2015
BGWA-4	Piezometer	Downgradient	1499485.38	2064697.89	726.05	728.67	660.37	650.37	78.6	Bedrock/Limestone/Dolomite	03/04/2016
BGWA-5	Piezometer	Downgradient	1499434.58	2065421.43	718.53	720.92	661.52	651.52	69.7	Bedrock/Dolomite	11/03/2015
BGWA-26	Piezometer	Downgradient	1498697.63	2064189.94	726.09	728.65	663.55	653.55	75.4	Bedrock/Dolomite	08/05/2016
BGWA-27	Piezometer	Downgradient	1498719.14	2064387.54	732.50	735.25	652.05	642.05	93.5	Bedrock/Dolomite	08/06/2016
BGWA-28	Piezometer	Downgradient	1498749.21	2064577.55	734.88	737.45	661.35	651.35	86.4	Bedrock/Dolomite	08/07/2016
BGWC-11	Piezometer	Downgradient	1504998.94	2066093.83	683.91	686.50	619.20	609.20	77.6	Bedrock/Limestone/Dolomite	10/16/2015
BGWC-13	Piezometer	Downgradient	1505435.29	2065251.21	714.77	717.43	653.83	643.83	73.9	Bedrock/Dolomite	10/21/2015
BGWC-15	Piezometer	Downgradient	1505278.19	2064732.18	715.39	717.92	654.52	644.52	73.7	Bedrock/Dolomite	10/20/2015

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
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-7	Piezometer	Downgradient	1504679.33	2064125.75	672.43	675.51	636.54	626.54	49.3	Bedrock/Dolomite	03/09/2022
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) Total well depth accounts for sump if data provided on well construction logs.

(4) 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.

(5) BGWA-33 was repurposed from detection monitoring well to piezometer 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
			Assessment Event
Georgia Power Company - Plant Bowen - Ash Pond 1			
BGWA-2	Upgradient	Detection	X
BGWA-29	Upgradient	Detection	X
BGWA-47D	Upgradient	Detection	X
BGWA-48D	Upgradient	Detection	X
BGWC-7	Downgradient	Detection	X
BGWC-8	Downgradient	Detection	X
BGWC-9	Downgradient	Detection	X
BGWC-10	Downgradient	Detection	X
BGWC-12	Downgradient	Detection	X
BGWC-14A	Downgradient	Detection	X
BGWC-16	Downgradient	Detection	X
BGWC-17	Downgradient	Detection	X
BGWC-18	Downgradient	Detection	X
BGWC-19	Downgradient	Detection	X
BGWC-20	Downgradient	Detection	X
BGWC-21	Downgradient	Detection	X
BGWC-22	Downgradient	Detection	X
BGWC-23	Downgradient	Detection	X
BGWC-24	Downgradient	Detection	X
BGWC-25	Downgradient	Detection	X
BGWC-30	Downgradient	Detection	X
BGWC-51	Downgradient	Detection	X
BGWC-52	Downgradient	Detection	X
BGWA-6	Downgradient	Assessment	X
BGWC-31	Downgradient	Assessment	X
BGWC-32	Downgradient	Assessment	X
BGWC-34D	Downgradient	Assessment	X
BGWC-35D	Downgradient	Assessment	X
BGWC-36D	Downgradient	Assessment	X
BGWC-37D	Downgradient	Assessment	X
BGWC-38D	Downgradient	Assessment	X
BGWC-39	Downgradient	Assessment	X
BGWC-40	Downgradient	Assessment	X
BGWC-41D	Downgradient	Assessment	X
BGWC-42D	Downgradient	Assessment	X
BGWC-43D	Downgradient	Assessment	X
BGWC-44D	Downgradient	Assessment	X
BGWC-49D	Downgradient	Assessment	X
BGWC-50D	Downgradient	Assessment	X
BGWC-53D	Downgradient	Assessment	X
PZ-7	Downgradient	Assessment	X

Notes:
X = Indicates well sampled during event
(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.

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

		February 3, 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
BGWA-2	729.69	59.81	669.88
BGWA-29	721.38	52.05	669.33
BGWA-33	743.25	74.65	668.60
BGWA-47D	729.61	59.65	669.96
BGWA-48D	729.38	59.52	669.86
BGWC-7	705.38	46.34	659.04
BGWC-8	706.43	48.16	658.27
BGWC-9	691.93	33.50	658.43
BGWC-10	686.06	31.54	654.52
BGWC-12	694.41	41.51	652.90
BGWC-14A	718.33	71.27	647.06
BGWC-16	674.31	17.19	657.12
BGWC-17	673.65	15.99	657.66
BGWC-18	672.88	13.83	659.05
BGWC-19	673.61	14.73	658.88
BGWC-20	675.14	16.18	658.96
BGWC-21	691.33	26.60	664.73
BGWC-22	695.50	31.54	663.96
BGWC-23	695.50	32.81	662.69
BGWC-24	702.27	19.07	683.20
BGWC-25	680.47	21.12	659.35
BGWC-30	701.06	31.51	669.55
BGWC-51	711.49	42.33	669.16
BGWC-52	710.75	41.58	669.17
BGWA-6	716.93	46.41	670.52
BGWC-31	670.54	14.99	655.55
BGWC-32	699.36	37.40	661.96
BGWC-34D	675.17	16.41	658.76
BGWC-35D	695.73	33.50	662.23
BGWC-36D	701.01	31.49	669.52
BGWC-37D	696.05	33.79	662.26
BGWC-38D	700.34	30.86	669.48
BGWC-39	679.12	21.07	658.05
BGWC-40	689.59	25.69	663.90
BGWC-41D	679.12	20.67	658.45
BGWC-42D	696.90	34.59	662.31
BGWC-43D	700.10	30.67	669.43
BGWC-44D	717.30	47.14	670.16
BGWC-49D	699.75	30.54	669.21
BGWC-50D	717.43	48.34	669.09
BGWC-53D	674.58	17.88	656.70
BGWA-1	720.90	51.16	669.74
BGWA-3	724.28	55.35	668.93
BGWA-4	728.67	59.85	668.82
BGWA-5	720.92	52.02	668.90
BGWA-26	728.65	62.30	666.35
BGWA-27	735.25	68.89	666.36
BGWA-28	737.45	70.75	666.70
BGWC-11	686.50	27.20	659.30
BGWC-13	717.43	67.55	649.88
BGWC-15	717.92	68.14	649.78
INW-01	691.83	27.81	664.02

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

		February 3, 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
PT-02	694.95	30.89	664.06
PT-03	696.05	30.26	665.79
PT-04	691.68	27.01	664.67
PT-05	691.43	27.49	663.94
PT-06	691.31	27.31	664.00
PZ-1	677.87	32.53	645.34
PZ-2	668.25	13.69	654.56
PZ-3	707.97	Dry	Dry
PZ-4	718.74	59.50	659.24
PZ-5	700.12	33.95	666.17
PZ-6	678.32	14.70	663.62
PZ-7	675.51	20.03	655.48
PZ-8	680.72	25.79	654.93
MW-108	715.27	44.99	670.28
Etowah River	--	--	644.66
General Service Water Pond	--	--	706.04
Euharlee Creek	677.19	--	656.74

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 in-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)
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
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
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

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 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-29	BGWA-47D	BGWA-48D	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16
	Sample Date	02/10/2025	02/06/2025	02/04/2025	02/04/2025	02/06/2025	02/05/2025	02/05/2025	02/06/2025	02/05/2025	02/05/2025	02/06/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.018 J	< 0.0062	0.022 J	0.022 J	0.83	0.029 J	0.52	0.51	1.9	1.7	2.7
Calcium	mg/L	50.1	23.0	108	42.6	125	44.5	72.8	71.4	224	215	221
Chloride	mg/L	3.1	0.96 J	4.6	5.8	6.1	1.4	9.6	28.6	13.2	20.6	13.1
Fluoride	mg/L	0.094 J	0.060 J	0.068 J	0.11	0.18	0.073 J	0.11	0.068 J	0.10	0.085 J	0.12
pH, Field	SU	7.54	8.13	6.95	7.55	7.03	7.64	7.29	7.51	6.92	6.89	6.25
Sulfate	mg/L	14.7	2.2	65.4	44.0	147	11.6	80.0	89.8	456	440	455
TDS	mg/L	234	119	406	324	562	173	344	402	1130	984	1050
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	0.0031 J	< 0.0012	< 0.0012	< 0.0012	0.0040 J	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.11	0.013	0.057	0.045	0.025	0.027	0.028	0.043	0.060	0.040	0.029
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00034 J
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.00073	0.0035
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	0.015
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.00027 J
Lithium	mg/L	< 0.000600	0.00139 J	0.000632 J	< 0.000600	0.00630 J	< 0.000600	0.00148 J	0.00129 J	0.00153 J	0.00137 J	0.00112 J
Mercury	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	0.0090 J	0.011	< 0.0025	< 0.0025	0.0027 J	< 0.0025	< 0.0025	< 0.0025
Combined Radium 226 + 228	pCi/L	0.578 U	0.347 U	1.47	0.782 U	1.51	0.641 U	0.831 U	1.40	0.466 U	0.164 U	0.712 U
Selenium	mg/L	< 0.0012	< 0.0012	0.0019 J	< 0.0012	< 0.0012	< 0.0012	0.0016 J	< 0.0012	< 0.0012	< 0.012	0.0036 J
Thallium	mg/L	0.00082 J	< 0.00015	< 0.00015	< 0.00015	0.00016 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00066 J	0.00027 J
Fluoride	mg/L	0.094 J	0.060 J	0.068 J	0.11	0.18	0.073 J	0.11	0.068 J	0.10	0.085 J	0.12
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	208	103	285	231	293	158	217	193	308	203	101
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	208	103	285	231	293	158	217	193	308	203	101
Iron	mg/L	0.61	< 0.012	0.023 J	0.37	0.51	0.037 J	0.12	0.16	0.030 J	0.022 J	0.034 J
Magnesium	mg/L	21.0	12.1	19.9	14.2	40.9	15.6	28.3	32.0	74.7	58.3	31.2
Manganese	mg/L	0.057	< 0.0012	0.0034 J	0.025 J	0.034 J	0.0013 J	0.017 J	0.027 J	0.0021 J	1.3	6.2
Potassium	mg/L	1.6	0.71	1.7	1.4	3.3	2.9	2.9	2.3	4.2	6.9	7.4
Sodium	mg/L	2.9	4.5	4.1	53.5	15.9	4.8	13.8	17.0	44.0	30.2	47.8
Sulfide	mg/L	< 0.022	< 0.022	< 0.022	0.26	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 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-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-51
	Sample Date	02/07/2025	02/07/2025	02/07/2025	02/06/2025	02/10/2025	02/13/2025	02/11/2025	02/11/2025	02/10/2025	02/10/2025	02/06/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	1.2	0.50	0.40	5.4	0.025 J	13.2	6.7	12.5	0.16	1.1	1.1
Calcium	mg/L	86.6	52.0	70.6	327	45.6	427	280	377	66.0	69.4	79.3
Chloride	mg/L	35.9	5.6	6.5	118	4.7	381	277	352	24.2	63.2	34.5
Fluoride	mg/L	0.17	0.074 J	0.083 J	0.077 J	0.078 J	0.29	0.056 J	0.17	0.066 J	0.091 J	0.19
pH, Field	SU	7.11	6.59	6.72	7.16	7.68	6.85	6.94	6.60	7.47	7.37	7.39
Sulfate	mg/L	119	62.0	91.0	573	51.6	356	218	229	42.4	29.4	58.8
TDS	mg/L	442	264	345	1430	243	1670	1300	1500	286	282	321
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00085 J	0.0031	0.0032	< 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	0.0013 J	< 0.0012	< 0.0012
Barium	mg/L	0.016	0.034	0.037	0.037	0.020	0.046	0.053	0.041	0.015	0.042	0.0055
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00027 J	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	0.00019 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.0013	< 0.00012	0.0017	< 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	0.0066	0.011	< 0.0012	0.0027 J	< 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	< 0.000600	0.0861	< 0.000600	0.0140 J	0.0128 J	0.00445 J	< 0.000600	< 0.000600	< 0.000600
Mercury	mg/L	0.00017 J	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.00085	< 0.00012	< 0.00012	< 0.00012
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	0.068	0.0049 J	0.040	0.0055 J	< 0.0025	< 0.0025	0.0028 J	< 0.0025
Combined Radium 226 + 228	pCi/L	1.11 U	0.737 U	0.952 U	1.10	1.23 U	1.60	1.18 U	2.60	0.747 U	0.708 U	0.876 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	0.0020 J	< 0.0012	0.0020 J	0.0015 J	0.0070	< 0.0012	0.0024 J	0.0056
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00023 J	< 0.00015	0.0011	0.00038 J	0.00020 J	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.17	0.074 J	0.083 J	0.077 J	0.078 J	0.29	0.056 J	0.17	0.066 J	0.091 J	0.19
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	159	157	190	94.0	179	156	228	170	205	165	161
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	159	157	190	94.0	179	156	228	170	205	165	161
Iron	mg/L	0.95	0.58	0.85	0.11	0.49	4.8	3.5	4.2	1.1	0.72	0.82
Magnesium	mg/L	29.5	22.1	27.5	50.9	25.0	66.8	81.6	48.6	28.0	23.6	17.3
Manganese	mg/L	0.28	< 0.0012	0.078	0.99	0.024 J	2.7	0.16	1.9 J	0.21	< 0.0012	< 0.0012
Potassium	mg/L	2.5	1.5	3.0	11.3	1.4	11.6	5.6	6.6	0.76	2.3	2.4
Sodium	mg/L	10.6	2.5	3.1	34.3	2.3	32.0	20.2	15.4	2.4	2.7	5.5
Sulfide	mg/L	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.20	0.023 J	0.050 J	< 0.022	< 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-52	BGWA-6	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
	Sample Date	02/07/2025	02/04/2025	02/06/2025	02/12/2025	02/06/2025	02/11/2025	02/05/2025	02/11/2025	02/11/2025	02/18/2025	02/10/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.72	0.0090 J	0.74	0.86	0.46	12.0	4.0 J	1.5	10	3.5	1.9
Calcium	mg/L	60.5	72.4	86.9	133	138	554	161	124	236	135	114
Chloride	mg/L	31.3	7.0	28.7	148	48.5	474	196	136	258	83.6	79.1
Fluoride	mg/L	0.14	0.065 J	0.055 J	0.14	0.065 J	0.16	0.14	0.17	0.61	0.081 J	0.085 J
pH, Field	SU	7.60	7.19	7.28	7.28	7.15	7.10	7.41	7.40	7.17	6.77	7.20
Sulfate	mg/L	64.0	14.4	110	134	146	298	98.4	116	159	105	46.2
TDS	mg/L	282	323	448	700	591	2210	686	650	1010	550	495
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00086 J	< 0.00050	0.0020 J	0.0010 J	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	0.0030 J	< 0.0012	0.015	0.0038 J	< 0.0012	0.0041 J	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.019	0.043	0.044	0.085	0.060	0.053	0.063	0.079	0.085	0.027	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	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.00044 J	< 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	0.0014 J	< 0.0012	< 0.0012	0.0032 J	0.0017 J	0.0019 J	< 0.0012	< 0.0012	0.0018 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	< 0.000600	< 0.000600	< 0.000600	0.000849 J	0.0175 J	0.00128 J	0.00218 J	0.00750 J	0.00244 J	< 0.000600
Mercury	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Molybdenum	mg/L	0.0028 J	< 0.0025	< 0.0025	0.0042 J	< 0.0025	0.028	0.011	0.020	0.098	0.0035 J	< 0.0025
Combined Radium 226 + 228	pCi/L	0.130 U	0.927 U	1.33	1.28	2.75	2.71	1.19	2.04	2.44	0.227 U	0.803 U
Selenium	mg/L	0.0043 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0034 J	0.016	< 0.0012	0.0045 J	< 0.0012	0.0067
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00020 J	< 0.00015	0.0013	< 0.00015	< 0.00015
Fluoride	mg/L	0.14	0.065 J	0.055 J	0.14	0.065 J	0.16	0.14	0.17	0.61	0.081 J	0.085 J
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	105	305	31.2	196	232	102	138	166	128	189	233
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	105	305	31.2	196	232	102	138	166	128	189	233
Iron	mg/L	0.68	0.030 J	1.3	1.7	1.2	8.8	0.017 J	2.6	2.8	1.6	1.3
Magnesium	mg/L	11.7	36.1	41.8	59.0	36.9	128	55.2	52.4	52.8	22.3	36.9
Manganese	mg/L	0.011 J	0.035 J	0.17	0.044	0.017 J	0.44	0.0024 J	0.029 J	0.44	< 0.0012	0.0016 J
Potassium	mg/L	2.7	1.3	1.6	2.0	2.1	8.7	3.6	1.8	4.4	4.7	1.6
Sodium	mg/L	6.6	4.2	8.2	11.3	6.7	35.7	11.2	11.1	17.4	8.7	6.3
Sulfide	mg/L	< 0.022	< 0.022	0.025 J	< 0.022	< 0.022	< 0.022	< 0.022	0.044 J	< 0.022	< 0.022	< 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-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-53D	PZ-7
	Sample Date	02/12/2025	02/11/2025	02/11/2025	02/05/2025	02/10/2025	02/05/2025	02/12/2025	02/07/2025
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	1.7	1.7	11.9	0.023 J	8.0	0.051	3.2	1.7
Calcium	mg/L	260	87.4	316	44.6	226	75.0	198	141
Chloride	mg/L	369	68.0	345	9.2	377	20.0	41.4	16.2
Fluoride	mg/L	0.077 J	0.56	0.89	0.12	0.087 J	0.15	0.076 J	0.062 J
pH, Field	SU	7.27	7.36	7.20	7.65	7.43	7.44	7.53	6.76
Sulfate	mg/L	296	102	238	32.7	183	213	453	228
TDS	mg/L	1370	470	1240	324	1140	662	1070	666
APPENDIX IV									
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	0.0019 J	< 0.0012	0.0038 J	< 0.0012	0.0030 J	< 0.0012	< 0.0012
Barium	mg/L	0.078	0.047	0.057	0.035	0.062	0.047	0.061	0.025
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	0.00043 J	< 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
Cobalt	mg/L	< 0.0012	< 0.0012	0.0026 J	< 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
Lithium	mg/L	0.00169 J	0.00193 J	0.0172 J	0.00310 J	0.00469 J	0.00175 J	0.00115 J	0.000796 J
Mercury	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.00068
Molybdenum	mg/L	0.0070 J	0.010	0.14	< 0.0025	0.0047 J	0.0038 J	0.0028 J	< 0.0025
Combined Radium 226 + 228	pCi/L	2.61	0.951 U	1.16	1.73	2.08	1.15	1.06 U	1.29
Selenium	mg/L	0.0016 J	< 0.0012	0.0019 J	< 0.0012	0.0015 J	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	0.0024	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00020 J
Fluoride	mg/L	0.077 J	0.56	0.89	0.12	0.087 J	0.15	0.076 J	0.062 J
Additional Parameters									
Bicarbonate Alkalinity as CaCO3	mg/L	114	205	110	287	103	281	128	181
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	114	205	110	287	103	281	128	181
Iron	mg/L	3.5	1.4	3.7	0.76	2.6	2.3	2.4	1.6
Magnesium	mg/L	109	34.3	67.8	26.9	99.2	29.5	45.6	28.2
Manganese	mg/L	0.024 J	0.022 J	1.2 J	0.060	0.20	0.066	0.31	0.016 J
Potassium	mg/L	1.2	1.8	5.4	1.1	3.0	1.4	5.3	3.1
Sodium	mg/L	23.2	34.9	18.8	45.2	29.4	149	66.1	22.6
Sulfide	mg/L	< 0.022	3.4	< 0.022	0.41	0.16	0.14	< 0.022	< 0.022

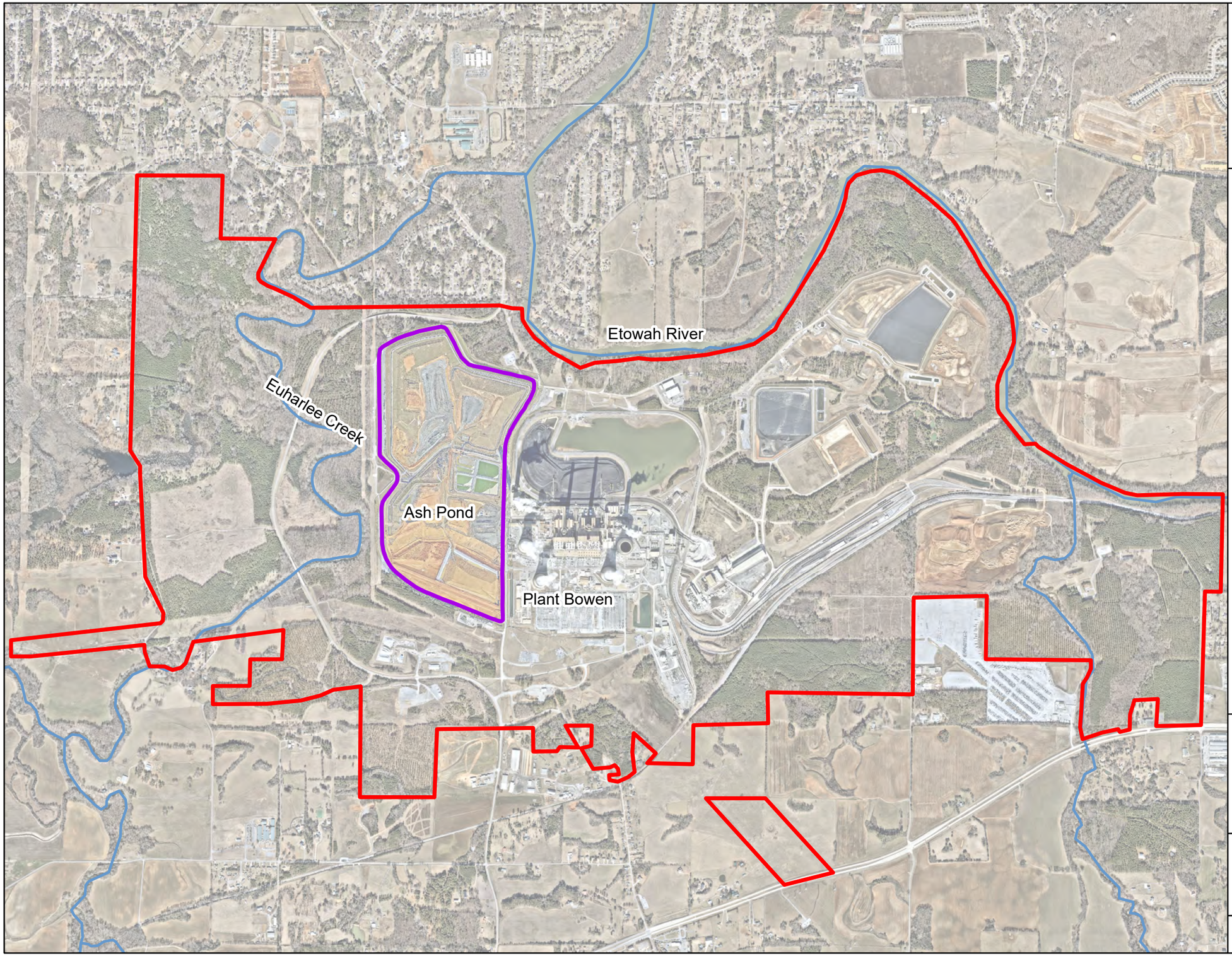
Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
TDS = total dissolved solids
NA = Indicates not analyzed
< = indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "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 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	0.004
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	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	0.04
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	0.002

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).
(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 2025 sampling event.

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, January 2025.
2. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 1,000 2,000 4,000 Feet

SITE LOCATION MAP

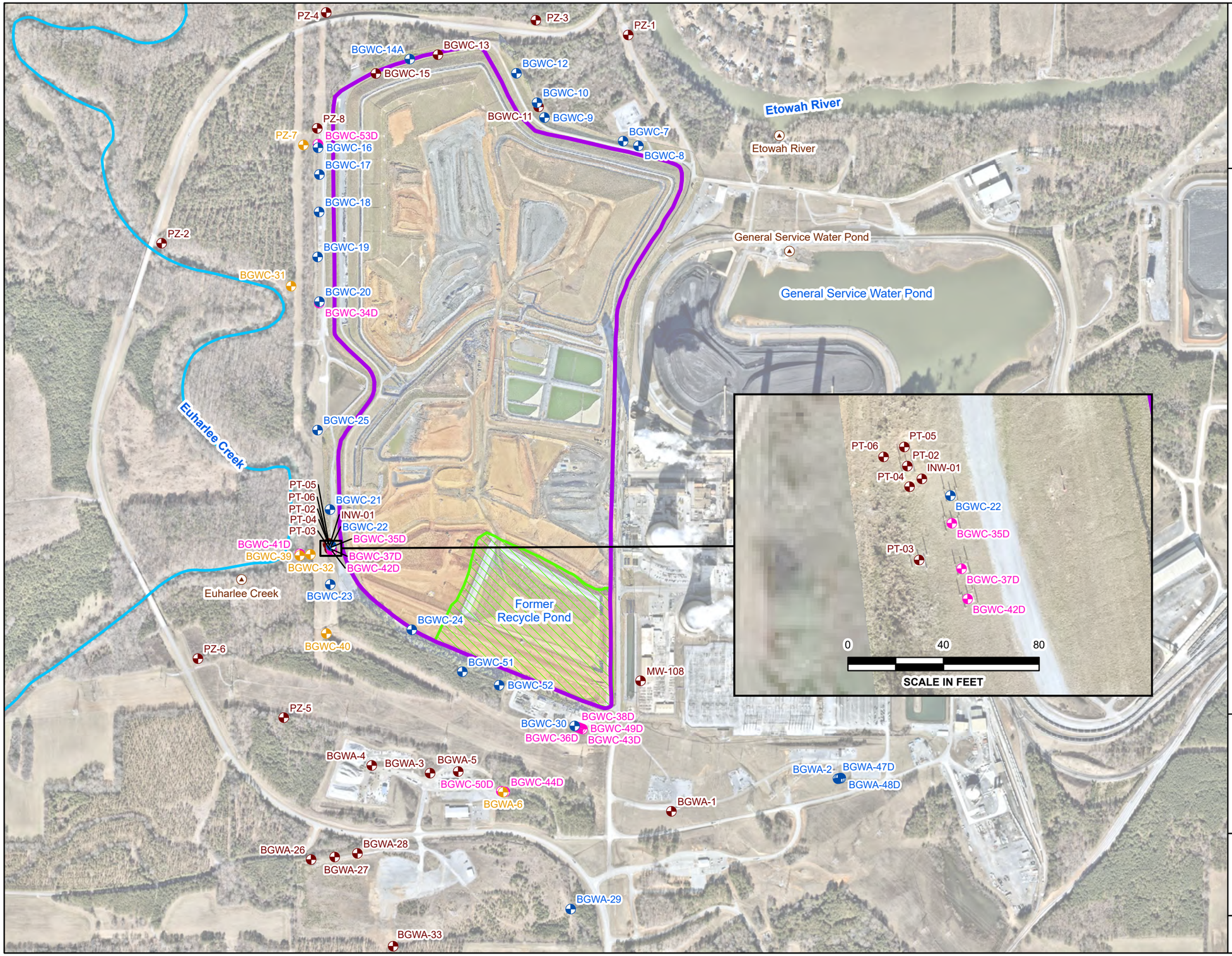
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | August 2025

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 July 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-33 was repurposed to a piezometer on July 16, 2025.
4. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, January 2025.
5. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

MONITORING WELL NETWORK MAP

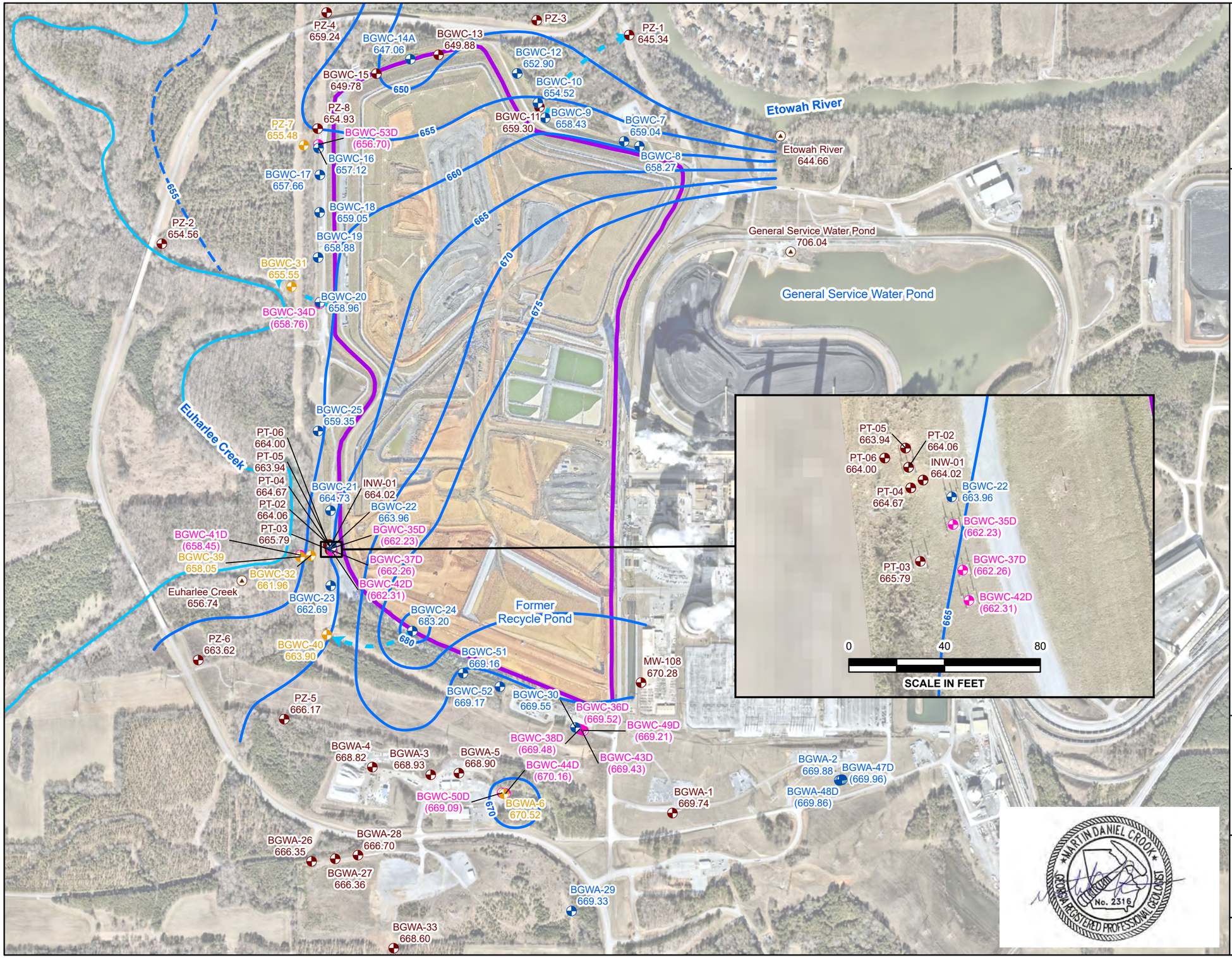
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

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. Groundwater elevations in parentheses were not used in development of groundwater contours due to being screened at a different elevation in the formation/aquifer.
5. Aerial photograph source for immediate vicinity of AP-1: Georgia Power Company, January 2025.
6. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet



POTENTIOMETRIC SURFACE CONTOUR MAP - FEBRUARY 2025

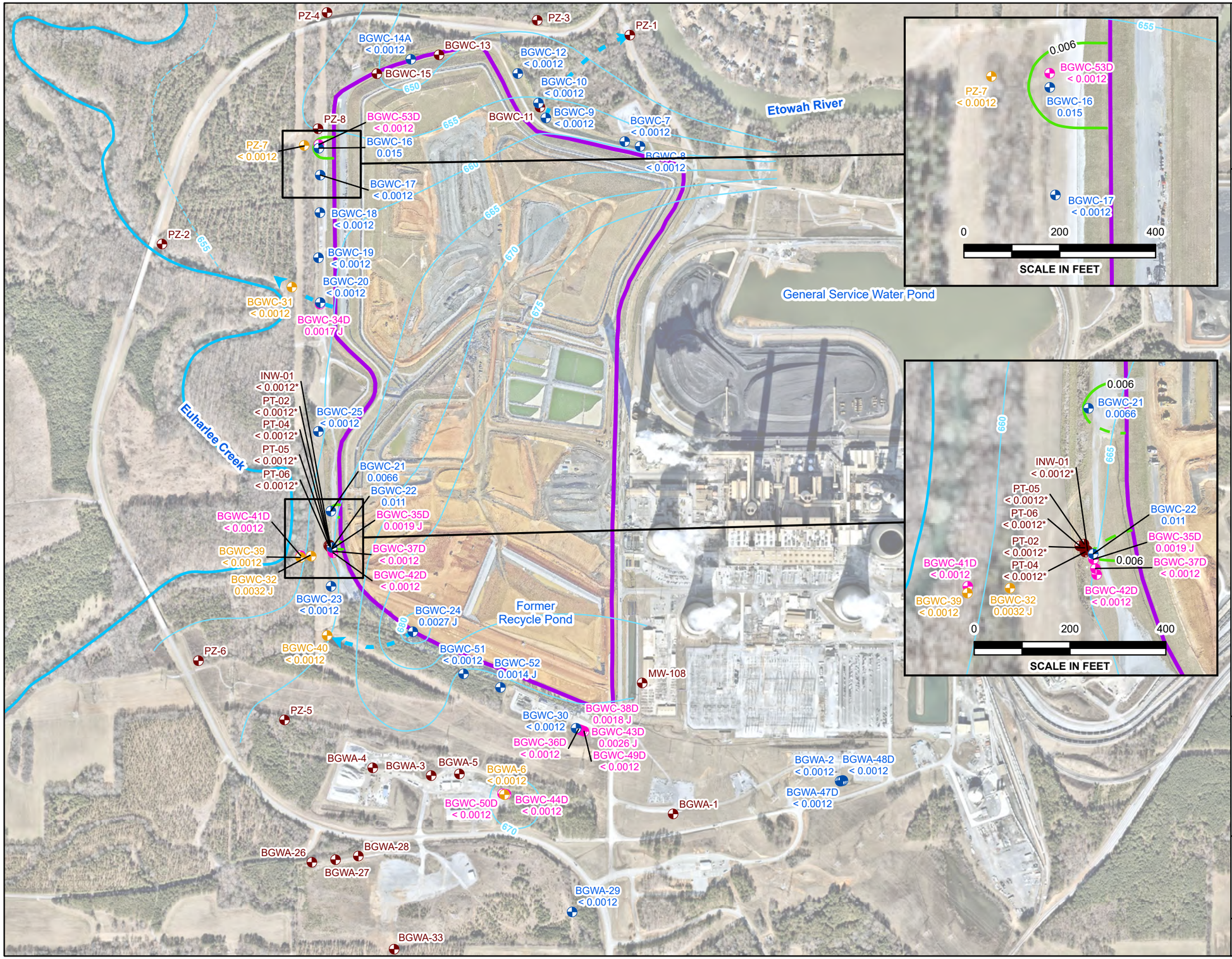
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

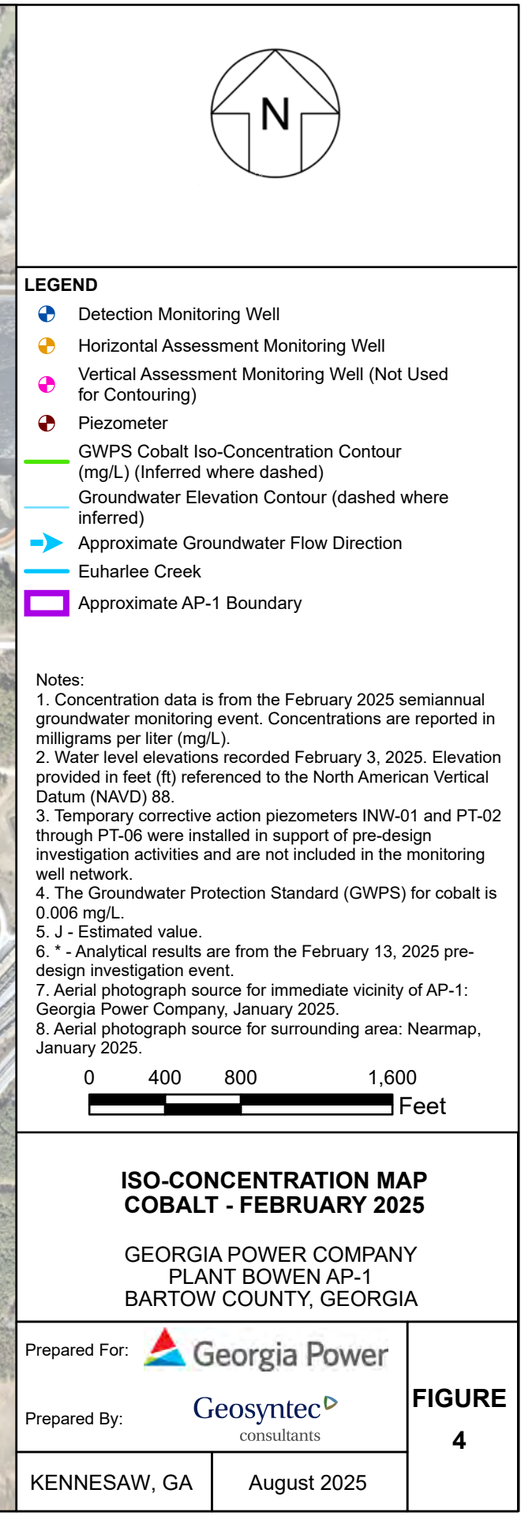
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | August 2025

FIGURE 3





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, January 2025.
8. Aerial photograph source for surrounding area: Nearmap, January 2025.

0 400 800 1,600
Feet

ISO-CONCENTRATION MAP COBALT - FEBRUARY 2025

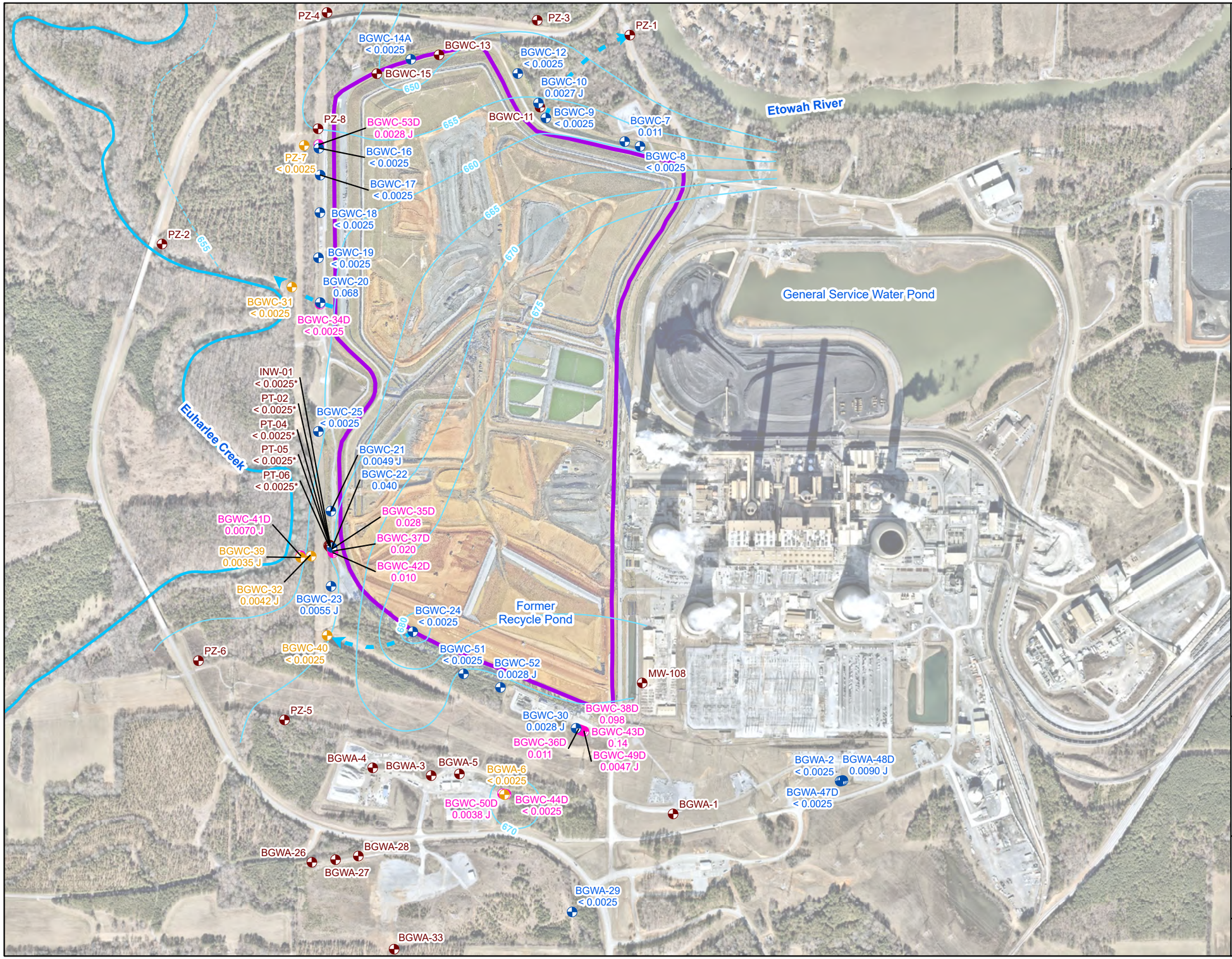
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

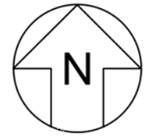
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | August 2025

FIGURE 4





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, January 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 | August 2025

FIGURE 5

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	

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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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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9800 Kincey Ave. Suite 100
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

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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	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

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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
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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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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	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	

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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

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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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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	

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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
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	

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
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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(704)875-9092

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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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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(704)875-9092

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

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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(704)875-9092

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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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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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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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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(704)875-9092

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

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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(704)875-9092

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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(704)875-9092

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 — Analysis Method: EPA 6020B
QC Batch Method: 3015 — 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 | Analysis Method: EPA 7470A
QC Batch 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
QC Batch Method: SM 2320B-2011
Analysis 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 | 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: 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 | 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: 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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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
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: 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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(704)875-9092

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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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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(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

This report shall not be reproduced, except in full,
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: 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,
without the written consent of Pace Analytical Services, LLC.

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: 4/11/25 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)	AGGU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-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.

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	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
5000 Sirkey 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 Smiley, Noolia 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

* 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 (BI), Vapor (V), Surface Water (SW), Ambient (SED), Sludge (SL), Cindr (CN), 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~~ SS		7			X	X	X	X	X	X					
BOW-BGWA-29	WG	G			2/6/25	1116	SS 3			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	SS 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	SS 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					

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

Collected By: Printed Name: William Loaker, 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
Relinquished by/Company: (Signature)	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

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/resources/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 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:
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) Method vial, (7) 60mL, (8) TerraCore, (9) 40mL, (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-BGWC-16	WG	G			2/6/25	1412	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	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; 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 Stewart, Natalie Piparo, Sawyer Kuntes, 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 0935	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		2/7/25 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 Services
3800 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 Junnko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0086
	E-Mail: krjunnk@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	County / State origin of sample(s): Georgia
	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:

* 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 (LT), 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
Specify Container Size **										3	2	3	4	3	1					
Identify Container Preservative Type***										1	1	1	5+6	2	2					
Analysis Requested																				
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	3S/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	3S/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					

** 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

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 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: 2/7/25 935	Received by/Company: (Signature) Lyan Williams / Pace	Date/Time: 2/7/25 0935	Tracking Number:
Relinquished by/Company: (Signature) Lyan Williams / Pace	Date/Time: 2/7/25 1535	Relinquished 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:	

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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	Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-0005
	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 Sizes: (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; Accutrum / 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, Cr	4500S2D Sulfide	**Appendix III, IV + Additional Metals	RAD 228/228	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	3/3			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	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Appendix III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
**Additional Metals: 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
PrSale

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:
PrSale	2/7/25 935	1 Pace	2/7/25 0935	
Relinquished by/Company: (Signature)	2/7/25 1535		2/7/25 1335	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Page: 4 of 5
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	

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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) 217-0008
	E-Mail: krjurink@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) 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-, SO4 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			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			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			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 / Signature: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne — 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 W. Ilim / Pace	Date/Time: 2/7/25 0935	Tracking Number:	
Relinquished by/Company: (Signature) Ryan W. Ilim / Pace	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:	Page: 5 of 5	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:		

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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 Jurinko, Minlao 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

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
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					

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

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: 2/7/25 435	Received by/Company: (Signature)	Pace	Date/Time: 2/7/25 0935	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time: 2/7/25 1535	Received by/Company: (Signature)		Date/Time: 1355	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 300, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Juninko, 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 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) Terra Core, (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), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LE), Biochar (BC), 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
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	

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, Manganese, Manganese, Potassium, Sulfide

Collected By: William Laaker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name:
Signature:

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
Relinquished by/Company: (Signature) Ryan William / Pace	2/7/25 1535	Received by/Company: (Signature)	Date/Time: 1335
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 Kyzer 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 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 Mickiff, 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): GPC62474-0007
	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), Biocrete (BS), Other (OT)

Specify Container Size **: 3 2 3 4 3 1

Identify Container Preservative Type***: 1 1 1 5+8 2 2

Analysis Requested

** Container size: (1) 1L, (2) 250mL, (3) 250mL (4) 125mL, (5) 100mL, (6) 40mL vial, (7) Ez Core, (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

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	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	—	5/8			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-01	WQ	G			2/4/25	1603	5/8			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	5/8			X	X	X	X	X	X							
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X							

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, Manganese, Molybdenum, Potassium, Sodium

Collected By: William Loaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rayne
Printed Name
Signature
Date/Time

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
Ryan Williams / Pace	2/7/25 1535	Ryan Williams / Pace	2/7/25 0935
Ryan Williams / Pace	2/7/25 1535	[signature] 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
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
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 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 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
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
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	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

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:
Printed Name: William Loaker, 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

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct/Num / Client ID:; Table #:; Profile / Template: 1650/; 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:
EnSafe	2/7/25 935	Ryan W. Ham / Pace	2/7/25 0935
Ryan W. Ham / Pace	2/7/25 1535	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 - 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:

* 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), Bioassay (BA), 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-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	

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
*** 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
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 Lasker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
EnSafe

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Cooler 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	
Ryan Williams / Pace	2/7/25 1515	Charles Hewlett	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 300, Huntersville, NC 28075

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 Junnko, Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnk@southernco.com

Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smilley, Noelia Gallo

Invoice to: Account Payable

Invoice E-mail: gaerpapowerinvoices@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), Blantary (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LT), 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, 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			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					

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 Wang

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, 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: 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:	Tracking Number:
	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Ryan Williams / Pace	2/7/25 1535	Charlie Hardee 2/8/25	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:	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... ☐ 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: ☐ 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 (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 (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			2		2																							
2		2			2		2																							
3		2			2		2																							
4		2			2		2																							
5		2			2		2																							
6		2			2		2																							
7		2			2		2																							
8		2			2		2																							
9		2			2		2																							
10		2			2		2																							
11		2			2		2																							
12		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.

WO# : 92778538

*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 #

PM: BV Due Date: 02/21/25
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)	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																														
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

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

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 #:

Project #:

Project Name: AP-1

Site Location 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, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation non-conformance identified (Y/N)
BGW-BGWA-2	WG	G			2/10/25	12:17	12/8			X	X	X	X	X	X		025	
BGW-BGWA-29	WG	G					7			X	X	X	X	X	X			
BGW-BGWA-47D	WG	G					7			X	X	X	X	X	X			
BGW-BGWA-48D	WG	G					7			X	X	X	X	X	X			
BGW-BGWC-7	WG	G					7			X	X	X	X	X	X			
BGW-BGWC-8	WG	G					7			X	X	X	X	X	X			
BGW-BGWC-9	WG	G					7			X	X	X	X	X	X			
BGW-BGWC-10	WG	G					7			X	X	X	X	X	X			
BGW-BGWC-12	WG	G					7			X	X	X	X	X	X			
BGW-BGWC-14A	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: 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:	Tracking Number:
EnSafe	2/11/25 1057	Ryan Williams / P.el	2/11/25 1057	
Ryan Williams / Pam	2/11/25 1455		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: 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

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	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	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	8			X	X	X	X	X	X	027	

Lab Use Only: Proj. Mgr: Bonnie Vang; Acct.Num / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
*Analysis III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Analysis 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

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 #:

Specify Container Size **: 3 2 3 4 3 1
Identify Container Preservative Type***: 1 1 1 546 2 2
Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) TinCore, (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

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:

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 (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: SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-30	WG	G			2/10/25	1057	7/8			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:	Tracking Number:
EnSafe	2/11/25 1057	Pace	2/11/25 1057	
Relinquished by/Company: (Signature)	Date/Time: 2/11/25 1455	Received by/Company: (Signature)	Date/Time: 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

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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

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

Customer Project #:

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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 #:

Turnaround Time 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, SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G			2/10/25	1335	4/1/3			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	4/1/3			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	

* 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)

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation non-conformance identified (or 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 1453

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

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

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

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-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	8/9			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	8/8			X	X	X	X	X	X		033	

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
Analysis III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Analysis 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:
	2/11/25 1455		2/11/25 1455
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 5

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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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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

Street Address: 24 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 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

* 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	5/8			X	X	X	X	X	X	034
BOW-BGWC-18	WG	G			2/7/25	1245	5/8			X	X	X	X	X	X	035
BOW-BGWC-19	WG	G			2/7/25	1151	5/8			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 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 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 / PAL	2/11/25 1057
Ryan Williams / PAL	2/11/25 1455	[illegible]	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 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 vol. (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 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), Cash (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, SO_4^{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					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
Reference to: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Reference to: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Additional Metals: Iron, Magnesium, Manganese, Potassium, Silicon

Collected By: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhynn
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	Chandra Hanks 2/11/25	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 Kinsey 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 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
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	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
Analyte list: 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 Siewert, 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 1455

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 SH

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:

*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)	BP4N	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				2																							
		2	1				2																							
		2	1				2																							
		2	1				2																							
		2	1				2																							
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		2	1				2																							
		2	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.

*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-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)	BSPN	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 Jurinko, Mintao Lu, Marty Crook
Phone #:	(470) 217-0000
E-Mail:	krjurink@southernco.com
Cc E-Mail:	Laura McGill, Ben Hodges, Mike Smalley, Noelia 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:	

Identify Container Size **: 3 2 8 4 3 1

Identify Container Preservative Type***: 1 1 1 5+8 2 2

Analysis Requested

Lab Use Only

Preservation Correct/Check

Pres. Mtp: Biorelle Vial

Acct/Num / Client ID:

Table #:

Profile / Template: 18507

Prelog / Sample Cnt. #: EZ 3211296

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	23208 Total Alkalinity, Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F, SO4, Cl	4500SO 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	1.36 of Sample Vial 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	

039

Additional Instructions From Pace*

Tariff 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, Strontium

Collected By: William Lasker, Jay Stewart, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards

Type of Ice: Thermometer ID: Correction Factor (°C): Cooler Temp. (°C): Comment Temp. (°C): Ice (Y/N):

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Trip Blank Received:
	2/14/25 0850	William Lasker / Pace	2/14/25 0850	
William Lasker / Pace	2/14/25 0939		2/14/25 0939	Delivered by: [ ] Fedex [ ] Courier [ ] Pace [ ] 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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FINV-FRM-CORC-0019_v02_11

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 Label Here

Start QR Code for instructions

Company Name: Georgia Power - Bowen

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

Customer Project #:

Project Name: Bowen APC

Site Collection Info/Address ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marty Crook

Phone #: (470) 217-0808

E-Mail: krjurink@southernco.com

Cc E-Mail: Laura Mickill, Ben Hodges, Mike Smiley, Nicolle Gangi

Invoice To: Account Payable

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

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EDDs [ ] 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 5 5+6 2 2

Analysis Requested

Lab Use Only: Prelog Mgr: Bonnie Wang; Acct/Nam / Client ID; Table #; Profile / Template: 16507; Prelog / Bottle Ord. ID: EZ 3211296

Preservation Non-Conformance Work Order Sheet Attached

* 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), Caulk (CK), Leachate (LL), Biological (BL), 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, BOJ, Cl	4500S2D Sulfide	*Appendix III IV + 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, pH
* Appendix IV: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Mercury, 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
	2/14/25 0530	WLam / Pace	2/14/25 0950
WLam PWL.am / 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

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 Emiley, Noelia Gangi
Invoice to: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

Scan QR Code for instructions

Specify Container Size**: 3 2 3 6 3 1 1
Identify Container Preservation Type**: 1 3 1 SAG 2 2
Analysis Requested

State Where Collected: [ ] AL [ ] FL [ ] MT [ ] CT [X] GT
County / State origin of sample(s): Georgia

Data Deliverables: [ ] I [ ] II [ ] III [ ] IV [ ] 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
Data 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 (SL), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Liquid (LIQ), 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 228/228							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							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®:
Pace Quote: BOW-HDR ASSMT 202553

Collected By: William Lasker, Jay Siewert, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
Date/Time

Customer Remarks / Special Conditions / Possible Hazards:

Lab Use Only: Prof. Mgr.: Bonnie Young; Acctnum/Client ID:; Subcat:; Profile/Template: 16007; Prelog/Bottle Ord. ID: EZ 3211296.

Container Condition: Preservation (as confirmed/identified) for sample:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp (°C)	[ ] On Ice

Relinquished by/Company (Signature)	Date/Time	Accepted by/Company (Signature)	Date/Time
[illegible]	2/14/25 0950	[illegible] / Pace	2/14/25 0950
[illegible] / Pace	2/14/25 0939		2/14/25 0938

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 8

By submitting a sample via this chain of custody, client acknowledges and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0010_v02_110121 ©

Pace® Location Requested (City/State)

CHAIN-OF-CUSTODY Analytical Request Document

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

Project Name: Bowen AP-1

Project Manager: Accounts Payable

Purchase Order #: GPC82474-0007

Time Zone Collected: ET

State / Site Origin of Sample(s): Georgia

Rush (Pre-approval required): Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Preservation Type: (1) None (2) HCl (3) HNO3 (4) H2SO4 (5) NaOH (6) Ascorbic Acid (7) NaOH+ZnAc (8) Methanol (9) Sodium Bisulfate (10) Other

Container Type: (1) Wide (2) Narrow

Container Preservation Type***

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)	6020/200.8 Suites	Appendix III + IV + Additional Metals	RAD 9315/9320	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	

Collected By (Printed Name / Signature): William Lasker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Customer Remarks / Special Conditions / Possible Hazards:

Relinquished by / Company: (Signature)	Date/Time	Received by / Company: (Signature)	Date/Time
Kyle Williams / Pace	2/14/25 0850	Kyle Williams / Pace	2/14/25 0850
Kyle Williams / Pace	2/14/25 0938		2/14/25 0938

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] DHL

Pace® Terms and Conditions found at http://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

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

Project Name: Bowen AP-1

Project Manager: Kristen Johnson, Marino Lui, Marty Cook

Phone #: (470) 247-0000

E-Mail: kmjohns@southernco.com

CC E-Mail: Laura Nuhoff, Ben Hodges, Mike Bradley, Natalie Piparo

Invoice To: Account Payable

Invoice E-mail: GeorgiaPowerInvoices@SouthernCo.com

Purchase Order # (if applicable): GPC07473-0007

Quote #:

Sampled By (Signature): X

County / State origin of sample(s): Georgia

Regulatory Program (DW, NPDES, etc.) (if applicable):

Reportable: [ ] Yes [ ] No

Data Deliverables:

Level 2 / Level 3 / Level 4

TRRP-13

Other

Rush (Pre-approval required):

[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day (Other): _____

Date Results Requested:

DW PWSID # or WW Permit # (if applicable):

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Matrix Codes: Insert in Matrix column (DW) Drinking Water, (GW) Ground Water, (WW) Wastewater, (WW) Product, (P) Soil/Solid, (SS) Oil, (OL) Wipe, (WP), Tissue, (TS), Bioassay, (B) Vapor, (V), Surface Water, (SW), Sediment (SED), Other (OT). Specify Other for Matrix Codes: Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Air (A), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Other (OT).

Specify Container Type**: 3 2 3 4 3 1

Specify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

Preservative Codes (pH): (1) None, (2) HNO3, (3) H2SO4, (4) NaOH, (5) HNO3, (6) ZnAcetate, (7) MeOH, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) NH4Cl, (11) Other

** Container Codes: (1) 1 Liter Plastic, (2) 500mL Plastic, (3) 250mL Plastic, (4) 125mL Plastic, (5) 40mL w/ pre-set, (6) 40mL w/ set, (7) 5mL Encore, (8) Terracore, (9) Soil Kit, (10) Other

*** Preservative Types: (1) None, (2) Ice Only, (3) HNO3, (4) H2SO4, (5) NaOH, (6) HNO3 & Ice, (7) MeOH, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) NH4Cl, (11) Other

Proj. Mgr: Jonene Viney

Acct Num. / Client ID:

Table #:

Profile / Template: 16907

Prelog / Bottle Ord. #: EZ 3211296

Sulfide Comment:

Preservation Correct / Check

Pace Lab Use Only

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	9040B pH SOU	9056A Sulfate	Appendix III to IV + Additional Metals	RAD 226+228	Sulfide Comment	Pace Lab Use Only
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		

Collected By: William Lasker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name / Signature

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice: # 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]	2/14/25 0850	[illegible] / Pace	2/14/25 0850
[illegible] / Pace	2/14/25 0959		2/14/25 0933

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 5

By submitting the sample(s) listed on this chain-of-custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pace-lab.com/resources-library/resource/pace-terms-and-conditions/

ENV-FRM-CORD-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
Report 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 Junnike, Marissa Liu, Marty Crook
Phone #:	(470) 217-0008
E-Mail:	knjunnik@southernco.com
Cc E-Mail:	Laura McBuff, Ben Hodges, Mike Smittery, 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 [ ] EDuIS [ ] 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:	

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), Air (AR), Leachate (LE), Biosolids (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-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 Blythe

Printed Name / Signature

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	Custody Seals Intact?
# Coolers					[ ] On Ice

Specify Container Size**: 3 2 3 4 3 1

Specify Container Preservative Type***: 1 1 1 546 2 2

Analysis Requested

** Container Size: (1) 4 oz, (2) 8 oz, (3) 250mL, (4) 1 Pint, (5) 500mL, (6) 40mL vial, (7) EnCore, (8) Terra Core, (9) Other, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Ascorbic, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ammonium Acetate, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:	Bonnie Vang
Pace Quote / Client ID:	
Table #:	
Profile / Template:	18507
Packing / Bottle Ord. ID:	EZ 3211296

* Preservation non-conformance identified for sample

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)	2/14/25 0939	Received by/Company: (Signature)	2/14/25 0939
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] Fed Ex [ ] 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):

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 Junnila, Marissa Lu, Marty Crook
Phone #	(470) 217-0008
E-Mail:	krjunnil@southernco.com
Cc E-Mail:	Laura Midkiff, Ben Hodges, Mike Smithey, Noska Garcia
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

Specify Container Size **: 3 2 3 4 3 1

Specify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

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 # (if applicable)	
Field Filtered (if applicable):	| |Yes | |No

Lab Use Only: Proj Mgr: Bonnie Vang; Account # / Client ID; Table #; Profile / Template: 18507; Prelog / Bottle Ord. ID: EZ 3211296

* Matrix Codes (Insert in Matrix field below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (BS), Aqueous (AQ), Surface Water (SW), Sediment (SED), Sludge (SL), Air (AR), 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	4500SO Sulfide	*Appendix III + 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

Collected By (Printed Name): William Lasker, Jay Stewart, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Relinquished by/Company (Signature)	Date/Time: 2/14/25 0850	Received by/Company (Signature): WILLIAMS | Pace	Date/Time: 2/14/25 0950	Tracking Number:
Relinquished by/Company (Signature): WILLIAMS | Pace	Date/Time: 2/14/25 0938	Received by/Company (Signature)	Date/Time: 2/14/25 09:55	Delivered by: | |In Person | |Courier | |FedEx | |UPS | |Other
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	Page: 3 of 5
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	

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ENV-FRM-CORD-0019_v02_110121 ©

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 Jurinko, Muntaz Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: krjurinko@southernco.com

Cc E-Mail: Laura Mellruff, Ben Hodges, Mike Smillay, Noelle Gang

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 I | | Level II | | Level IV | | EDUS | | 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:

Site PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): | | Yes | | No

Analysis

Identify Container Size**: 3 2 3 4 1 1

Identify Container Preservative Type***: 1 1 1 5H8 2 2

Analysis Requested

** Container Type: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 60mL vial, (7) 1 mLvial, (8) TerraCore, (9) 95mL, (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), Lead Paint (LP), Biowaste (BW), 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 As Laboratory	2540C Total Dissolved Solids	300.0 F SO4 Cl	4500S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228	Lab Use Only	Sample Comment	Preservation not confirmed (if marked) 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			

Pres Mgr: Bonnie Wang

Accttnum / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211296

Additional Instructions from Pace®:

Task Code: BOW-CCR-ASSMT 2025S1

* Applicable to Surface, Saltwater, Groundwater, Wastewater, Sediment, RPM.
** Applicable to Groundwater, Wastewater, Biosolids, Soil/Solid, Cartridge, Filter, Liquid, Vegetation, Wipe, Air, Other Matrix.
*** Additional Metals: Sb, Ag, Al, As, B, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Se, Sr, Tl, Sn, Ti, V, Zn

Collected By (Printed Name): William Lasker, Jay Sawyer, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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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ENV-FRM-CORO-0019_v02_110121 ©

Pace® Location Requested (City/State): Pace Analytical Charlotte

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
Section Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #	
Project Name:	Bowen AP-1
Site Collection Info/Facility ID (as applicable)	
Report To:	Kristen Junnila, Muntao Lu, Marty Crook
Phone #:	(470) 217-0008
E-Mail:	knjunnil@southernco.com
Cc E-Mail:	Laura McDuff, Ben Hodges, Mike Smillay, Nicole Gang
Invoice To:	Account Payable
Invoice E-mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0007
Quote #	
County / State origin of sample(s):	Georgia

Time Zone Collected: | | AE | | PT | | MT | | CT | X | ET

Data Deliverables: | | Level I | | Level II | | Level IV | | EQuIS | | Other

Regulatory Program (Enf: RCRA, etc.) (as applicable): Report to: | | 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 Requested

Preservation non conformance noted for sample

Lab Use Only: Proj Mgr: Bonnie Vang; Accession / 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), Solid/Soil (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Fluid (FD), 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 IC SO4 Cl	4500-S2D 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

Collected By (Printed Name): William Lasher, Jay Sawyer, Natalie Pipino, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time	Lab Use Only
	2/14/25 0850	William / Pace	2/14/25 0850	Tracking Number
Ryan Williams / Pace	2/14/25 0938		2/14/25 0938	Delivered by:	In Person	Courier	FedEx	UPS	Other
				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/?search=pace-terms-and-conditions/

ENV-FRM-CORO-0039_v02_110121 E

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: Pace 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 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: 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, 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, 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 1 546 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

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 (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, 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					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	

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:
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) EnSale	Date/Time: 2/21/25 1116	Received by/Company: (Signature) Pace	Date/Time: 2/21/25 1116	Tracking Number:	
Relinquished by/Company: (Signature) Pace	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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(704)875-9092

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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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(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

REPORT OF LABORATORY ANALYSIS

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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
		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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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(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	

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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 Analysis Method: EPA 9315
QC Batch 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 Analysis Method: EPA 9315
QC Batch 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 Analysis Method: EPA 9320
QC Batch 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 Analysis Method: EPA 9320
QC Batch 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 Analysis Method: EPA 9320
QC Batch 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 Analysis Method: EPA 9315
QC Batch 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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9800 Kincey Ave. Suite 100
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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 ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Pace ☐ Other:

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	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)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
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.

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)	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)	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.

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, 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

** 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; 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), Biomass (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 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		

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 Kovack, 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:
	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Ryan Williams / Pace	2/7/25 1535		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

Page: 1 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
8800 Kinney Ave. Suite 100, Huntersville, NC 28078

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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 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

* 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	23205 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-16	WG	G			2/6/25	1412	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			2/6/25	1053	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			

Prof. Mgr: Bonnie Vang
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

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:
[signature]	2/7/25 0935	Ryan W. Lum / Pace	2/7/25 0935	
Ryan W. Lum / Pace	2/7/25 1535	[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: 2 of 5

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Pace Analytical Charlotte
9800 Kincey Ave. Suite 300, 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 Juninko, 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-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) Bttnk, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfite, (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; 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 Lanker, 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:	Tracking Number:
EnSafe	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Ryan Williams / Pace	2/7/25 1535		2/7/25 1535	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
	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
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: krjurink@southernco.com
Cc E-Mail: Laura Midkiff, Ben Hodges, Mike Smillie, 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) 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
Accutrium / 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), Biofluid (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	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					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	7/3			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		

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 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:	Tracking Number:
EnSafe	2/7/25 935	Pace	2/7/25 0935	
Relinquished by/Company: (Signature)	2/7/25 1535		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: 4 of 5

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
5800 Shuey Ave. Suite 300, Huntersville, NC 28078

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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

Identify 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^-, 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	—	7/8			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		

Lab Use Only: Proj. Mgr: Ronnie Vang; 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 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:	Tracking Number:
EnSafe	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Relinquished by/Company: (Signature) Ryan Williams / Pace	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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ENV-FRM-CORQ-0010_v02_110123

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/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

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] 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 (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
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	

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: 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	2/7/25 435	Pace	2/7/25 0935	
Relinquished by/Company: (Signature) Pace	2/7/25 1535	Received by/Company: (Signature)	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: 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

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 Mickiff, 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

** 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 (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, 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			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						

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: Printed Name: William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne
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:
EnSite	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 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 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) 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; 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), Biocrude (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, 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	—	7/18			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	7/18			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	7/18			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, 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:	Tracking Number:
Ryan Siewert	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Relinquished by/Company: (Signature) Ryan Williams / Pace	2/7/25 1735	Received by/Company: (Signature) Chanda Hurley	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: 5 of 5

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ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State):

Pace Analytical Charlotte
3400 Kinsey Ave. Suite 200, 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 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 I [ ] Level II [ ] 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 **: 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

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-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

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	2/7/25 935	Ryan Williams / Pace	2/7/25 0935
Ryan Williams / Pace	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 Kinley 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 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) 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

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), Biosolid (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Cault (CK), Leachate (LL), Biovolid (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					7			X	X	X	X	X	X	
BOW-BGWC-36D	WG	G			2/5/25	1610	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	

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		
	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, 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

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: 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**: 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), Biofluid (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	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	5/8			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	5/8			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; 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, Manganese, Magnesium, 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:	Tracking Number:
	2/7/25 935	Ryan Williams / Pace	2/7/25 0935	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Ryan Williams / Pace	2/7/25 1535	Charles Hardie 2/3/25	2/3/25 1535	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

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ENV-FRM-CORO-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 #:

WO#: 92778530

PM: BV **Due Date: 02/28/25**

CLIENT: 92-GP-BOWLF

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: 2/11/25 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: 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	

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

*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 #

PM: BV Due Date: 02/28/25
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)	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

*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 #

PM: BV Due Date: 02/28/25
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)	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 H3BO4 (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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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

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 Junnko, 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: gaorgiapowerinvoices@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

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

* 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	

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

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name: Georgia Power - Bowen
Report 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
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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-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	

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
Analysis for: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Appendix III: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium (total), 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	Pace	2/11/25 1057
Pace	2/11/25 1455		2/11/25 1455
			2/11/25

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

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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 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 Preservation Type***: 1 1 1 5+6 2 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 60mL 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-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

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:	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, Minlao 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) 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 (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: SO_4^{2-}, Cl	4500S2D Sulfide	*Appendix III, IV + Additional Metals	RAD 226/228	Sample Comment
BOW-BGWC-40	WG	G			2/10/25	1335	3/3			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	3/3			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

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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 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 [ ] EDD [ ] 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 1 546 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	7/8			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	7/8			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	William Laaker / Pace	2/11/25 1057
William Laaker / Pace	2/11/25 1455		2/11/25 1455
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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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) 217-0808
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 [ ] 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

* 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	

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

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
EnSale	2/11/25 1057	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

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Company Name: Georgia Power - Bowen
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Customer Project #:
Project Name: Boodji 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) 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
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
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	

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025S1
Analysis of Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
Analysis of Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium
Analysis of 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	Ryan Williams / Pace	2/11/25 1057
Ryan Williams / Pace	2/11/25 1455	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

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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

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:

*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-PZ-7	WG	G			2/7/25	1016	7			X	X	X	X	X	X					034
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					

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

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 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:
EnSale	2/11/25 1057	Ryan William / Pace	2/11/25 1057	
Ryan William / Pace	2/11/25 1455		2/11/25 1453	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/

Pace

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: 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: 2/14 nr 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:

ialtrax 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)	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)	BP1N	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			
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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. Completion all relevant fields

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
Customer Project ID:	E-Mail: kmjurin@southernco.com
Project Name: Bowen AP-1	Cc E-Mail: Laura McGill, Ben Hodges, Mike Smilley, Noelia Gangi
Site Collection Info/Facility ID (as applicable):	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

Specify Container Size **

2	2	5	4	3	1								

Specify Container Preservative Type***

1	1	1	5+6	2	2								

Analysis Requested

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
	DW PWSID/ Permit # as applicable:
Data Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Preservation ** Codes: None (NP), Cool (CT), Deionized Water (DW), Methanol (MW), Nitric Acid (N), Sodium Hydroxide (SH), Zinc Acetate (ZN), Other (OT)

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), Solid (SO), 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	4500S2 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 wtd. 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	

Pres. Mgr: Blanche Wang

Acct Num / Client ID:

Table #:

Profile / Template: 16507

Prelog / Sample Cnd. ID: EZ 3211296

Additional Instructions from Pace®:
Task Code: BOW-CCR-ASSMT-2025Q1

* 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), Solid (SO), Leachate (LE), Biosolid (SS), Other (OT)

Collected By: Printed Name: William Lasker, Jay Siewert, Natalie Pipero, Sawyer Kovach, Kyle Rothe

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
	2/14/25 0850	Ryan Williams / Pace	2/14/25 0850
Ryan Williams / Pace	2/14/25 0939		2/14/25 0935

Trending Header:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 3 of 5

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ENV-FRM-CORC-0019_v02_110[illegible]D

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 Barkode Login Label Here

Start 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 Junnike, Minlao Lu, Marty Crook
Phone #:	(470) 217-0808
E-Mail To:	krjunnik@southernco.com
CC E-Mail:	Laura McGill, Ben Hodges, Mike Smiley, Noelle 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

Specify Container Size**: 1 | 2 | 3 | 4 | 5 | 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:
	State 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

Preservation with contaminants Mark Effect for Samples

* 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), 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 + 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

Collected By / Printed Name / Signature: William Lasker, Jay Stewart, Natalia 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	Tracking Number
	2/14/25 0851	William / Pace	2/14/25 0950	
William / 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_v01_110123 ©

Pace® Location Requested (City/State):

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Company Name: Georgia Power - Bowen
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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 Smiley, Noelia Gangi
Invoice To: Account Payable
Invoice E-mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0007
Quote #:

State Where Collected: [ ] AL [ ] FL [ ] MT [ ] CT [X] GT
Country / 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 1 546 2 2

Analysis Requested:

Lab Use Only: Proj. Mgr.: Bonnie Wang; Account/Client#:; Table#:; Profile/Template: 10507; 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), Vapor (AV), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Liquid (LQ), 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 9320/9320	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	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®:
Pace Quote: BOW-CCR ASSMT 202551

Collected By: William Lasker, Jay Swiwert, Natalie Pipero, Sawyer Kovacs, Kyle Rhyne
Printed Name
Signature
Initials

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Uncorr. Temp (°C)	Corrected Temp (°C)	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
	2/14/25 0850	William Lasker W.L. / Pace	2/14/25 0950
Ryan Wilson / Pace	2/14/25 0939		2/14/25 0938
	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

Page: 5 of 6

By submitting a sample via this chain of custody, Client/Customer acknowledges and accepts all of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State)

CHAIN-OF-CUSTODY Analytical Request Document

Company Name: Georgia Power - Bowen

Project Name: Bowen AP-1

Project #:

Purchase Order #: GPC824740007

Quote #:

Sampled By (Signature): William Laaker | Pace

Collected By (Printed Name): William Laaker, Jay Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

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	6500/D Sulfide	Tetrazolium III (V) + Additional Metals	HACH 234/278	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	

Relinquished by/Company: William Laaker | Pace — Date/Time: 2/14/25 0850 — Received by/Company: William Laaker | Pace — Date/Time: 2/14/25 0850

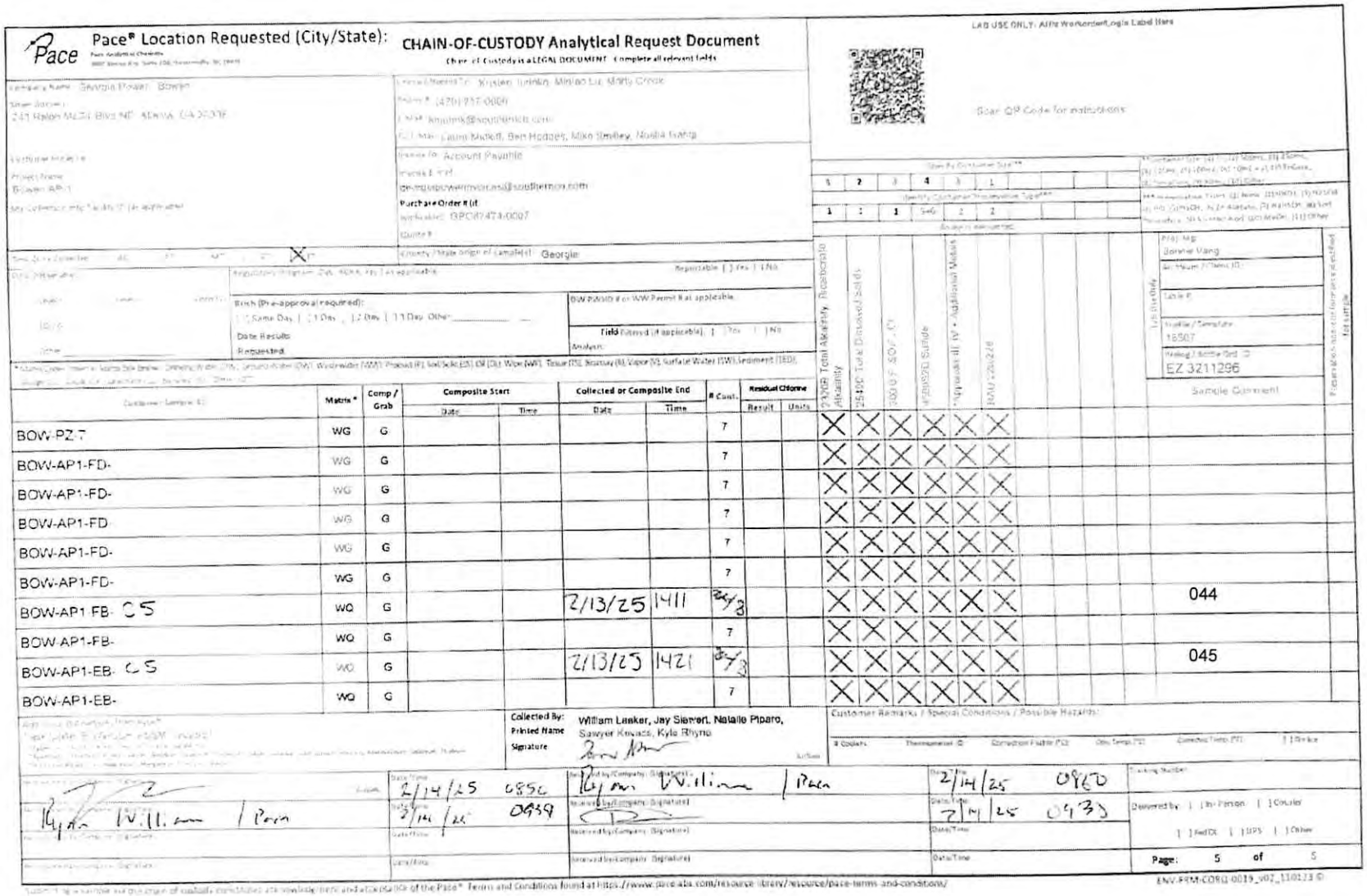
Relinquished by/Company: — Date/Time: 2/14/25 0938 — Received by/Company: — Date/Time: 2/14/25 0938

Relinquished by/Company: — Date/Time: — Received by/Company: — Date/Time: —

Relinquished by/Company: — Date/Time: — Received by/Company: — Date/Time: —

Page: 2 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

Project Name: Bowen AP-1

Purchase Order # (if applicable): GPC07473-0007

Quote #:

Project State: Georgia

Regulatory Program: CCR, NPDES, etc. (if applicable)

Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other:

Date Results Requested:

BW Permit # or WW Permit # (if applicable):

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

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	2540D Total Alkalinity Preserved	2540C Total Dissolved Solids	300.0 F SO4 / Cl	4500S2D Sulfide	Appendix III + 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	3			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	3			X	X	X	X	X	X	045
BOW-AP1-EB-	WQ	G					7			X	X	X	X	X	X	

Collected By: William Lanker, Jay Siemert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name:

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice: # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°F): [ ] Strike

Lab Use Only: Pres: Mg; Bonnie Wang; Lot # (if any): Table #: 16507; Profile / Template: EZ 3211296; Prelog / Bottle Set ID:

Relinquished by / Company: (Signature) — Date/Time: 2/14/25 0856 — Received by / Company: (Signature) — Date/Time: 2/14/25 0850

Relinquished by / Company: (Signature) — Date/Time: 2/14/25 0939 — Received by / Company: (Signature) — Date/Time: 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

Page: 5 of 5

Customer agrees to the payment of outside commissions as invoiced here and acknowledges and accepts Pace's 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):

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 Junnilo, Marilee Lil, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnil@southernco.com

Cc E-Mail: Laura McBuff, Ben Hodges, Mike Smittey, Nuoka Gang

Invoice To: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

Purchase Order # (if applicable): GPC82474-0007

Quote #:

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 [ ] EDuIS [ ] Other

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:

SW # WSD # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size**: 3 2 3 4 3 1

Matrix Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

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 (Y or N)

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	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					7			X	X	X	X	X	X	
BOW-BGWC-23	WG	G			2/11/25	1435	7			X	X	X	X	X	X	046
BOW-BGWC-24	WG	G			2/11/25	1435	7			X	X	X	X	X	X	
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 Printed Name: William Lasker, Jay Sawyer, Natalie Piparo, Sawyer Howard, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Transmission 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 / PMC	2/14/25 0956	Kyle Williams / PMC	2/14/25 0850
Relinquished by / Company: (Signature)	Date/Time	Received by / Company: (Signature)	Date/Time
	2/14/25 0934		2/14/25 0958
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):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY: Affix Pace Label Here

Scan QR Code for instructions

Company Name: Georgia Power - Bowen	Contact/Report To: Kristen Junnike, Melissa 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, Hoskie Gurgi
Project Name: Bowen AP-1	Invoice To: Account Payable
Site Collection Info/Facility ID (as applicable)	Invoice E-mail: georg-apowen/invoices@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 NPW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis

Preservation 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), Biowaste (BI), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Caulk (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	2320B Total Alkalinity Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F SO4, Cl	4500SO Sulfide	*Appendix III (V) + 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 noted 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

Collected By (Printed Name): William Lasseter, Jay Sewell, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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 0945

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	Contact/Report To: Kristen Junnikkala, Muntao Lu, Marty Crook
Street Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #: (470) 217-6008
	E-Mail: knjunnik@southernco.com
Customer Project #:	Cc E-Mail: Laura Mellulf, Ben Hodges, Mike Smiley, Noelle Gang
Project Name: Bowen AP-1	Invoice to: Account Payable
Site Collection Info/Facility ID (as applicable):	Invoice Email: 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, NPDES, 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

Identify Container Size**: 3 2 3 4 1 1

Identify Container Preservative Type***: 1 1 1 5+6 2 2

Analysis Requested

Lab Use Only

Proj. Mgr: Bonnie Wang

Acct/Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3211298

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 (SL) OR 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)

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 As CaCO3	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

* Matrix w/ Name, Column, Chlorine, Pharmex, Sulfide, TDS
* Appendix III, Additional Metals, Strontium, Chromium, Cobalt, Thallium, Lead, Lithium, Molybdenum, Selenium, Thallium
* Additional Metals: Iron, Manganese, Molybdenum, 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, Marisol Lu, Marty Crook
Phone #: (470) 217-0008
E-Mail: knjunnil@southernco.com
Cc E-Mail: Laura Mcduff, Ben Hudgins, Mike Smalley, Noelia Garay
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, NCWA, 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 **: 8 | 2 | 3 | 4 | 3 | 1
Identify Container Preservative Type***: 1 | 1 | 1 | 5+6 | 2 | 3
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 IC SO4	4500-S2D Sulfide	*Appendix III IV + Additional Metals	RAD 226/228					Sample Comment	Preservation non conformances 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	1624	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						

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

Collected By (Print last name): William Lasher, Jay Stewart, Natalie Pipolo, Sawyer Kovacs, Kyle Rhyne
Signature:

Customer Remarks / Special Conditions / Possible Hazards:
Coolers | Thermometer ID | Correction Factor (°C) | Obs. Temp (°C) | Corrected Temp (°C) | [ ] Ice [ ]

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Ryan Williams / Pace	2/14/25 0850	William Lasher / Pace	2/14/25 0850
Relinquished by/Company: (Signature)	2/14/25 0938	Received by/Company: (Signature)	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 5

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ENV-FRM-CORP-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: Bo Powell

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 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: L				
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:

Vaultrax 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 Juninko, 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): GPC9247-0007
	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) FeCo'e, (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 Lasker, 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:
EnSale	2/21/25 1116	Pace	2/21/25 1116	
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

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-CORO-0019_v02_110123 ©

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

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	VAL
Date:	2/25/2025
Worklist:	83662
Matrix:	WT

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

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	VAL
Date:	2/14/2025
Worklist:	83568
Matrix:	WT

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

Pace Analytical™ www.pacelabs.com

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

(Ni 3/7/25

~~NI < 3~~ 6 NI < 3 acceptable for LCSD

~~(Ni 3/7/25~~

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™
www.pacelabs.com

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™
www.pacelabs.com

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

CT 3/14/25

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
www.pacelabs.com

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
www.pacelabs.com

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

Data Validation Report

Geosyntec consultants

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Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

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

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

Created using VuSitu from In-Situ, Inc.

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

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

Created using VuSitu from In-Situ, Inc.

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

Created using VuSitu from In-Situ, Inc.

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

Created using VuSitu from In-Situ, Inc.

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

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

Created using VuSitu from In-Situ, Inc.

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

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:

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

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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 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-8	0.04	n/a	2/5/2025	0.029J	No	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-21	0.04	n/a	2/10/2025	0.025J	No	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-8	117	n/a	2/5/2025	44.5	No	84	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	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	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-17	117	n/a	2/7/2025	86.6	No	84	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	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	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-21	117	n/a	2/10/2025	45.6	No	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**
Calcium (mg/L)	BGWC-25	117	n/a	2/10/2025	66	No	84	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	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	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	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

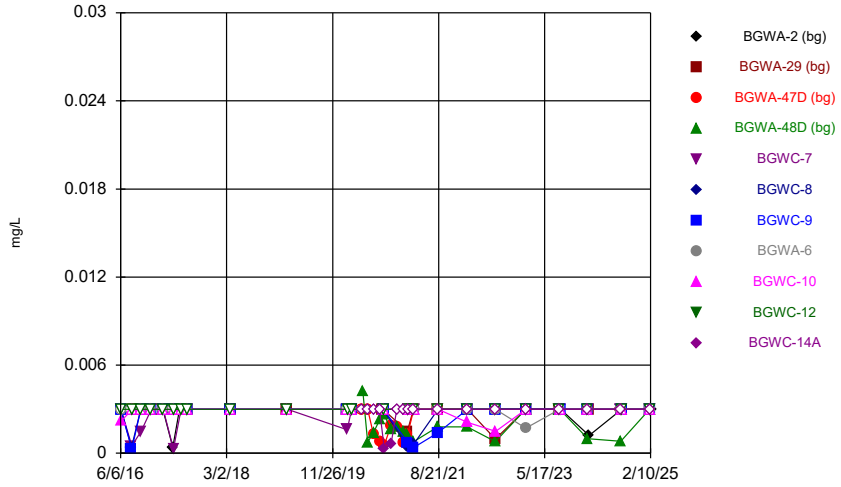
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:37 PM

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.

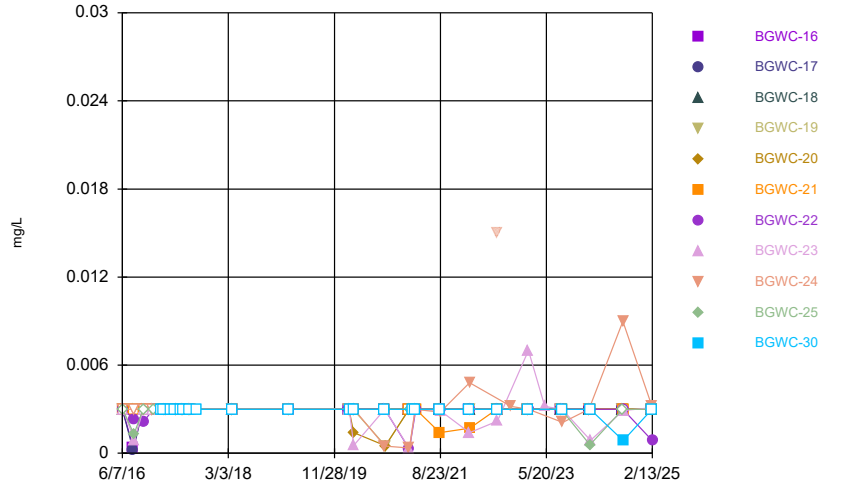
Time Series



Constituent: Antimony Analysis Run 6/3/2025 11:29 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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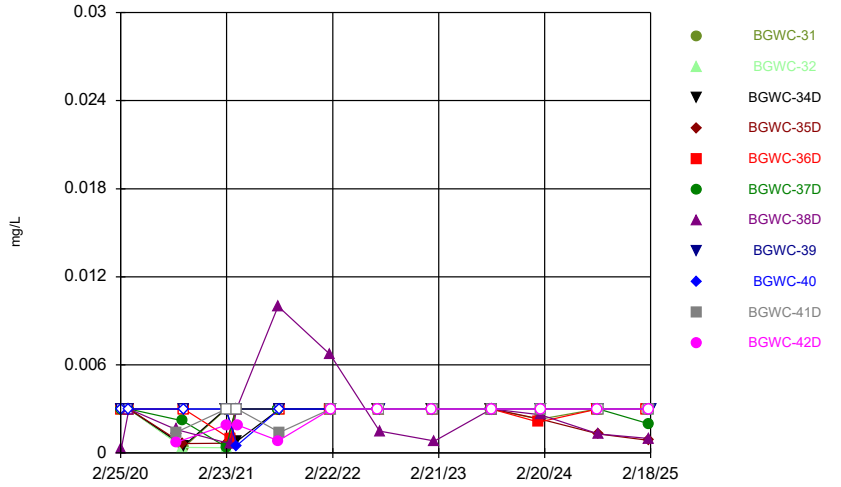
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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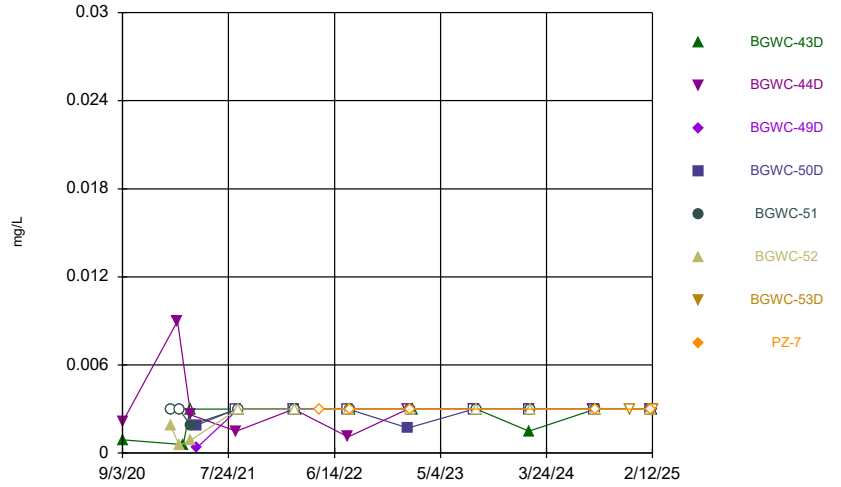
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Constituent: Antimony Analysis Run 6/3/2025 11:29 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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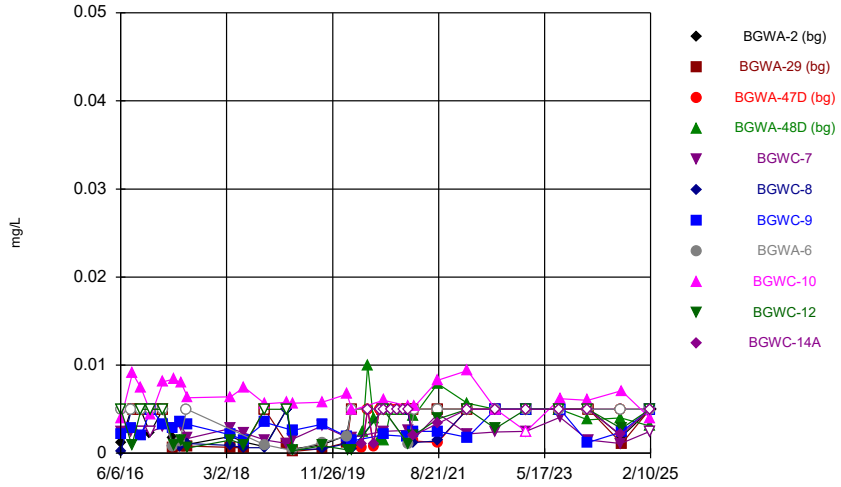
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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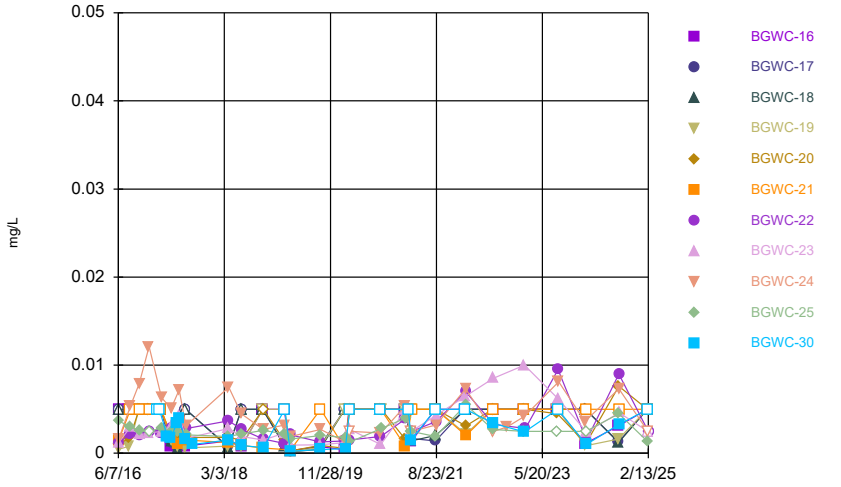
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Constituent: Arsenic Analysis Run 6/3/2025 11:29 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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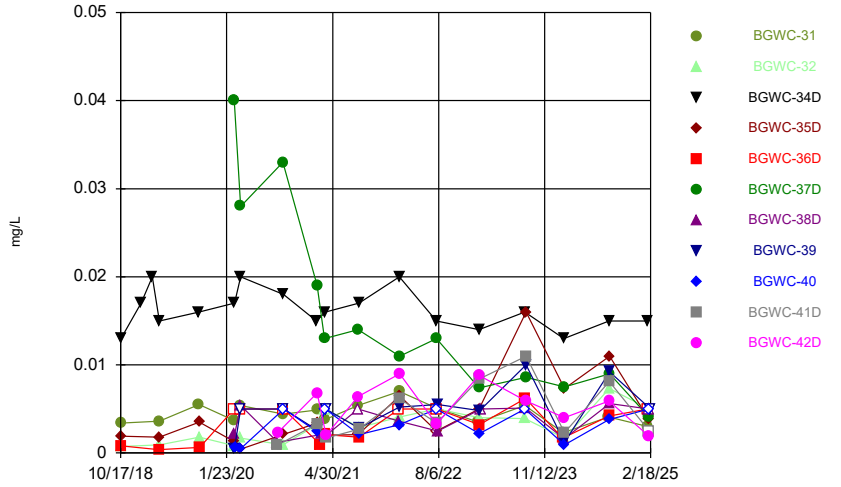
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Constituent: Arsenic Analysis Run 6/3/2025 11:29 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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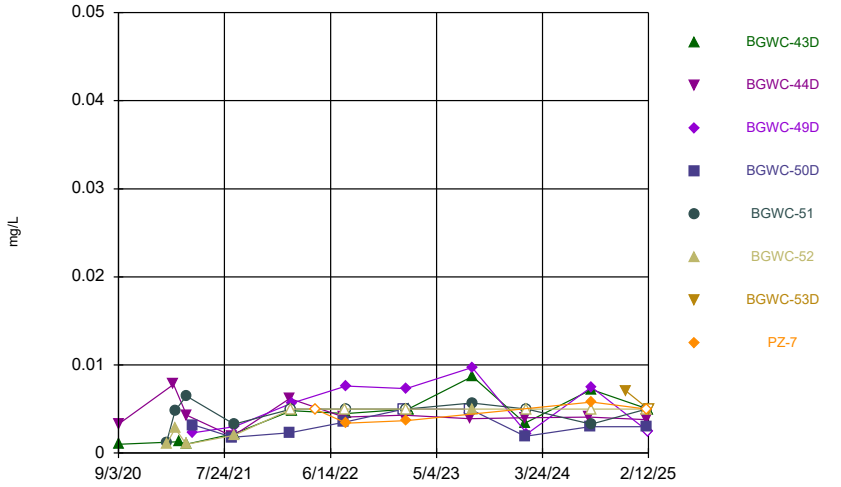
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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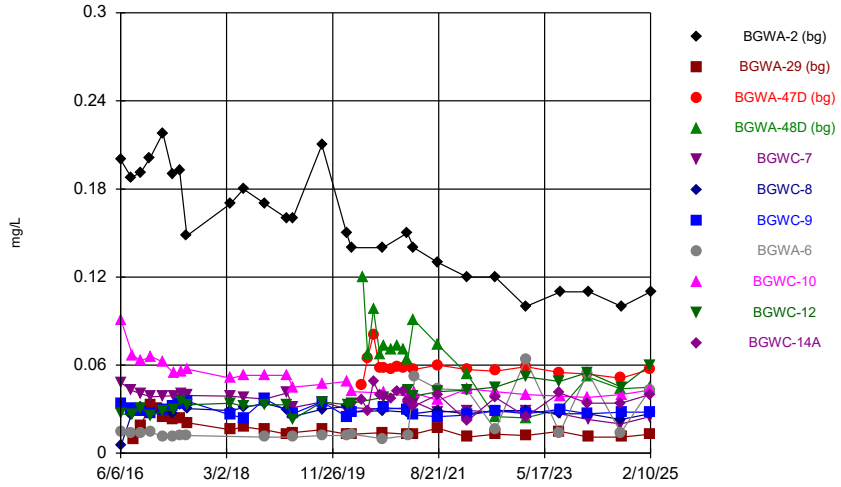
Time Series



Constituent: Arsenic Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Time Series

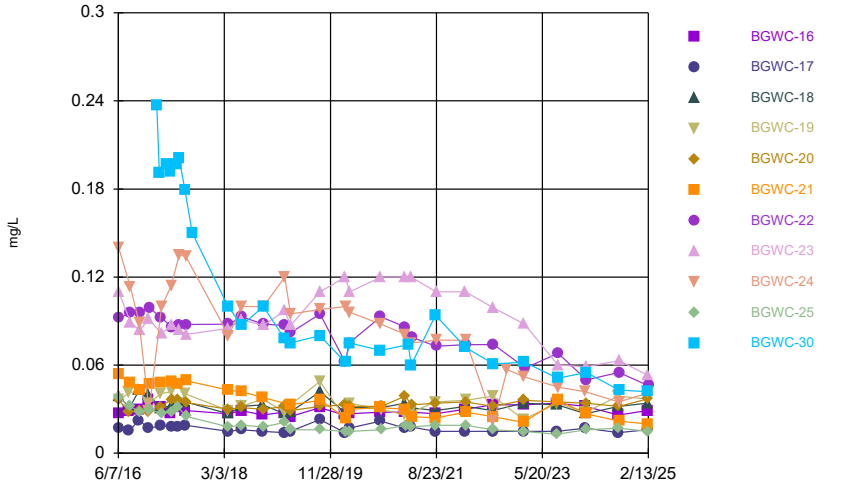


Constituent: Barium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Time Series

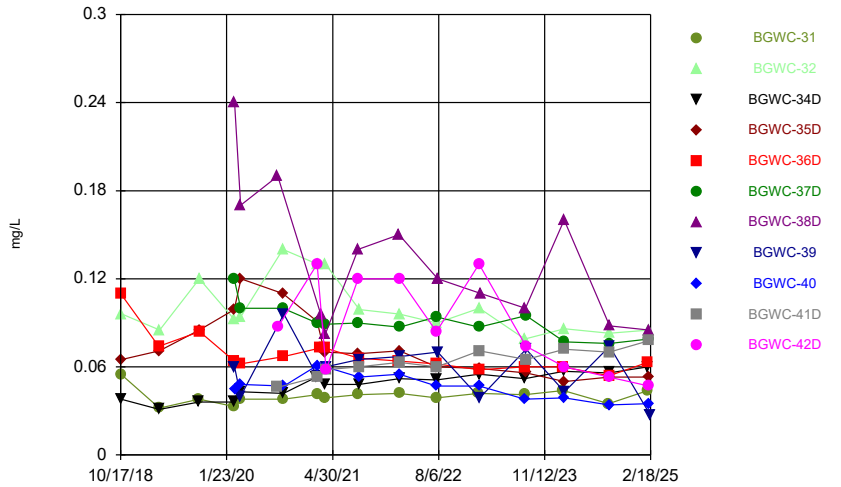


Constituent: Barium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Time Series

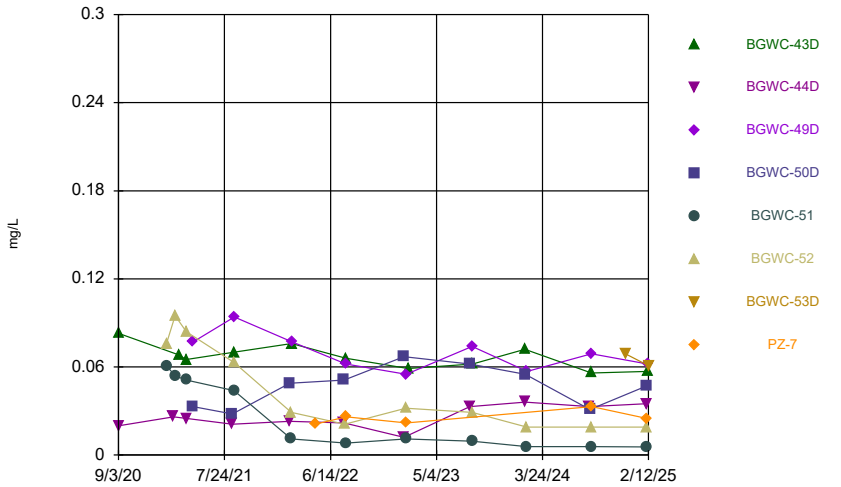


Constituent: Barium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Time Series

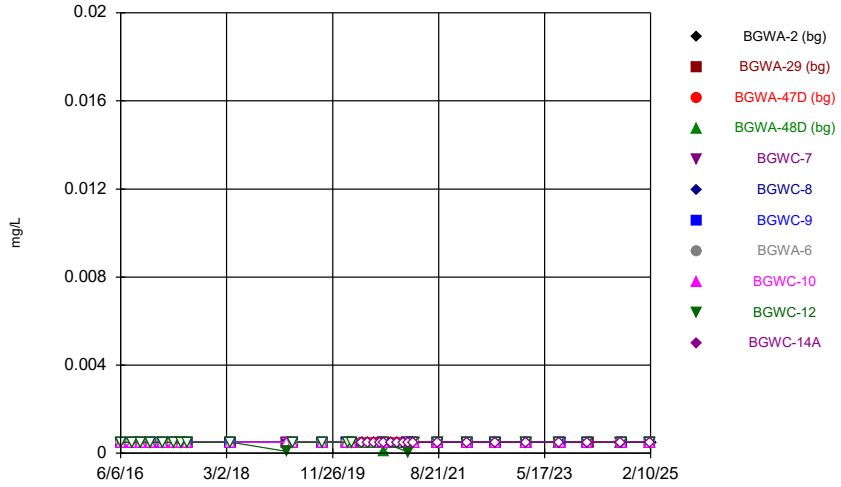


Constituent: Barium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Hollow symbols indicate censored values.

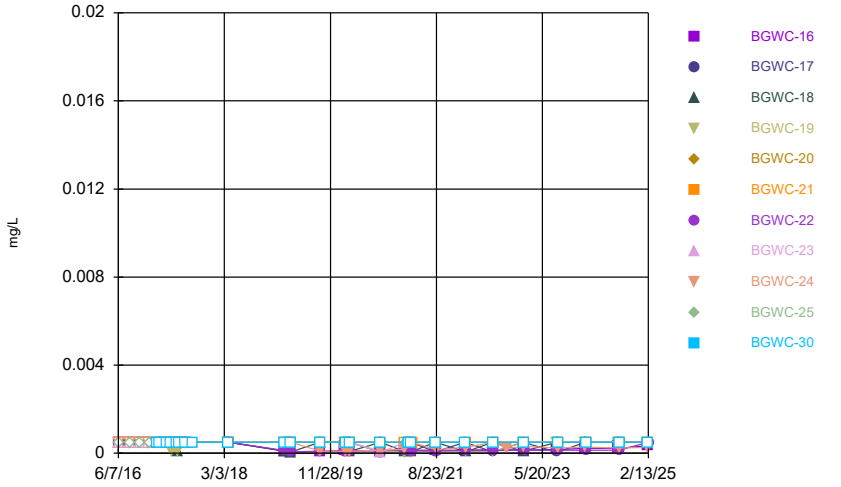
Time Series



Constituent: Beryllium 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.

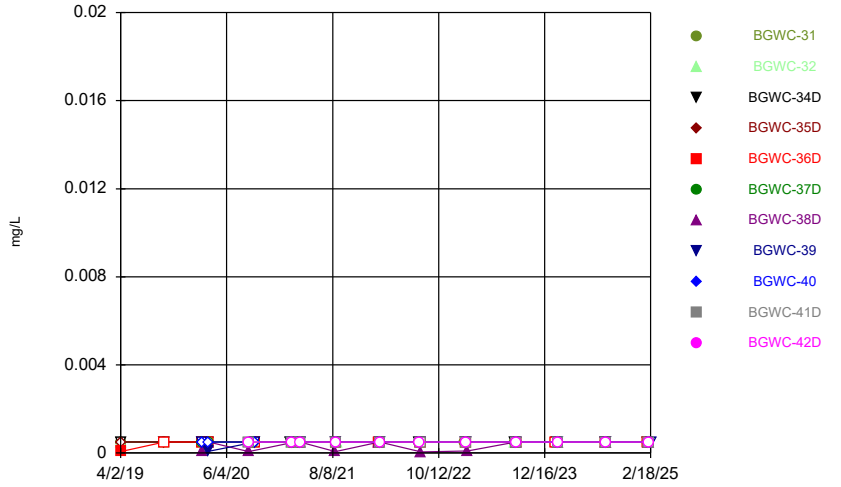
Time Series



Constituent: Beryllium 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.

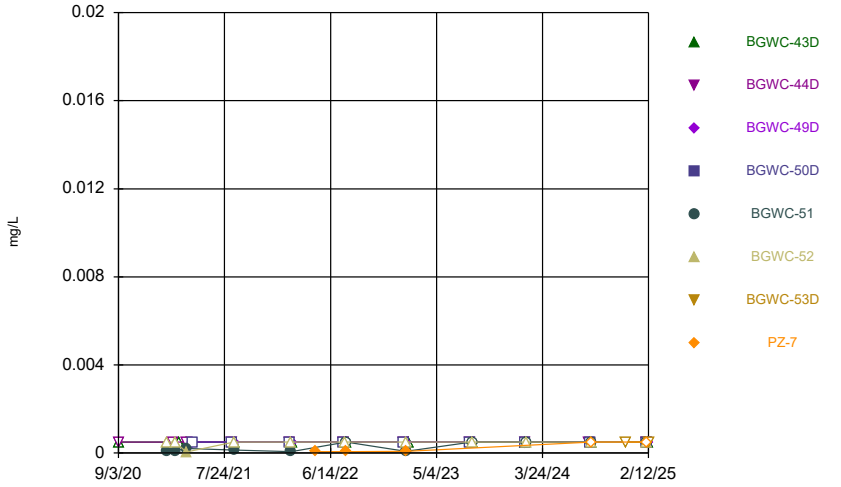
Time Series



Constituent: Beryllium 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.

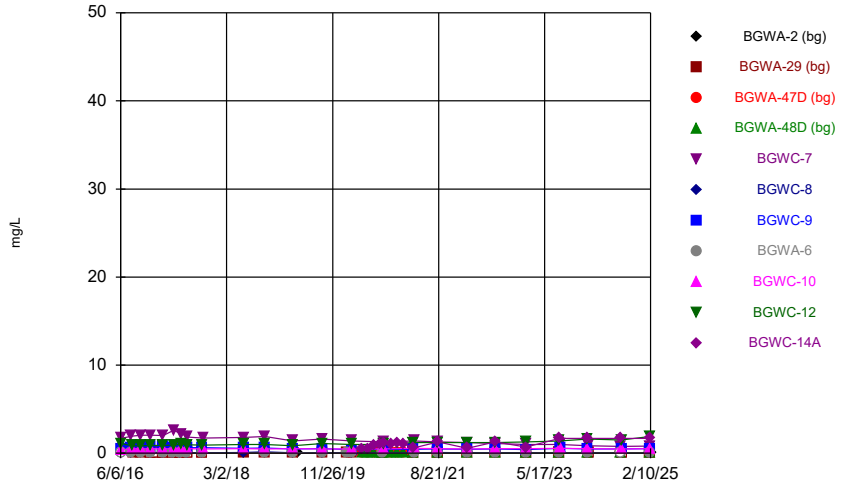
Time Series



Constituent: Beryllium 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

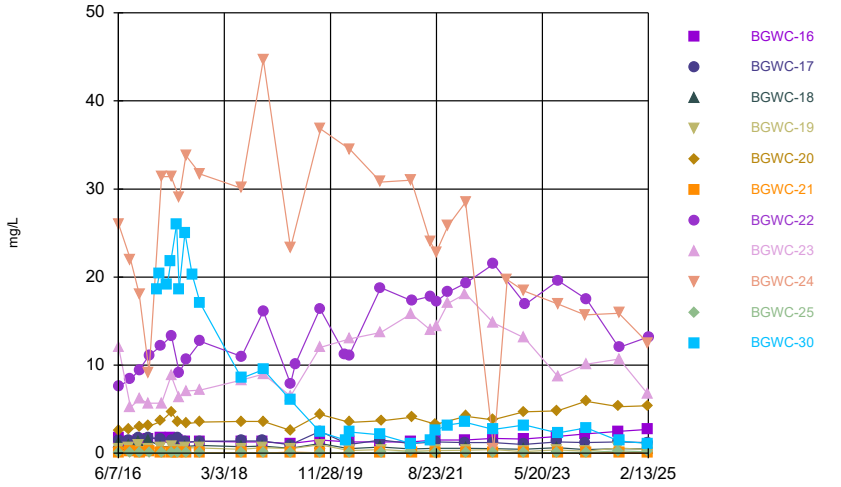


Constituent: Boron Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

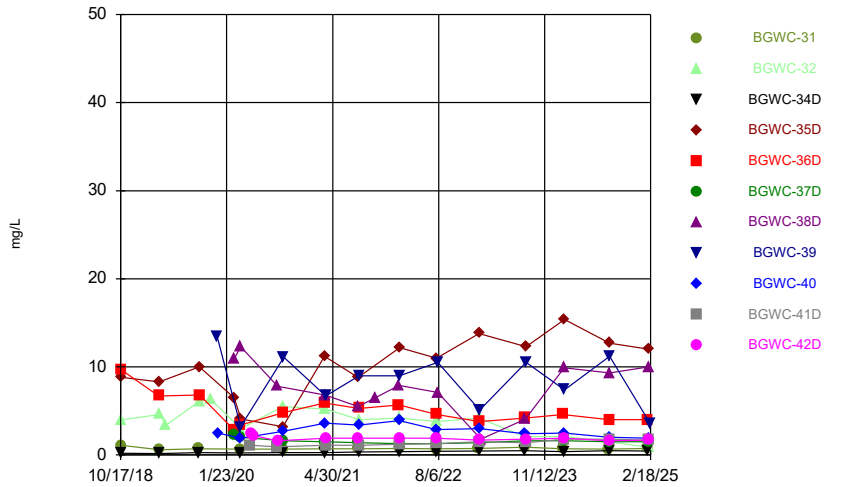


Constituent: Boron Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

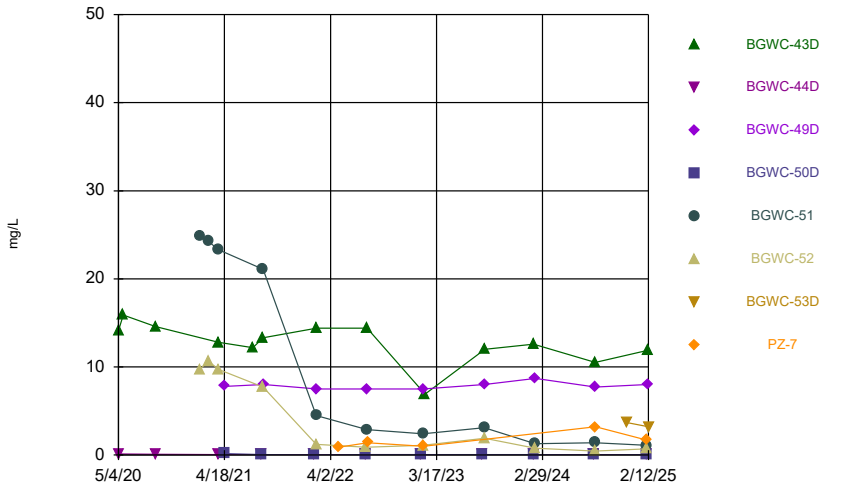


Constituent: Boron Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

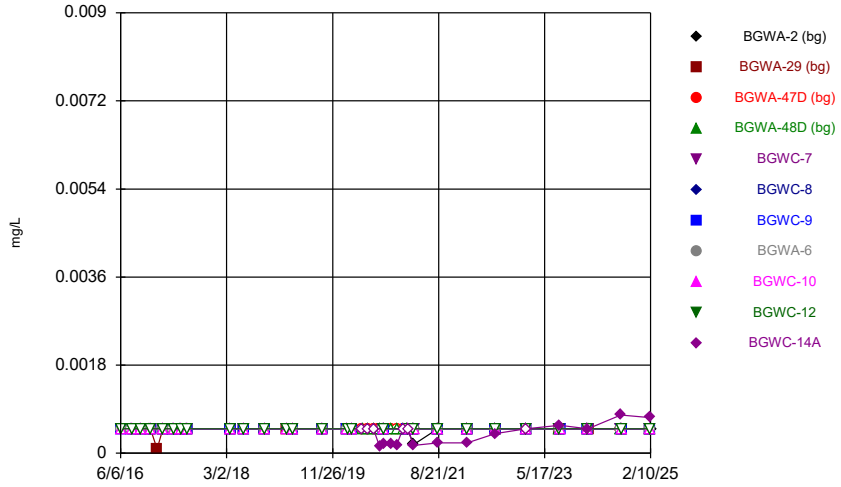


Constituent: Boron Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

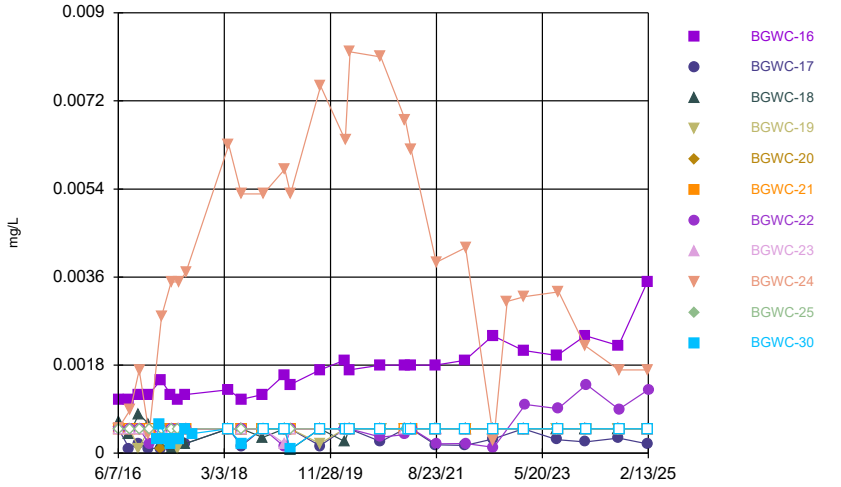
Time Series



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.

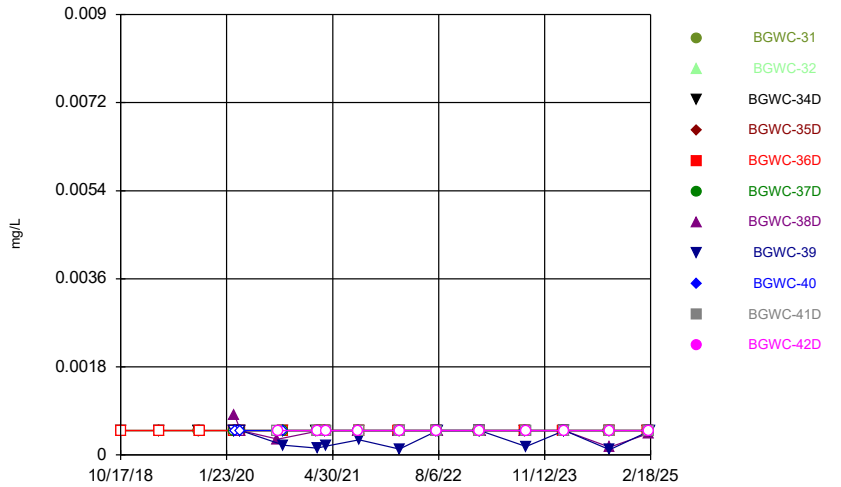
Time Series



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.

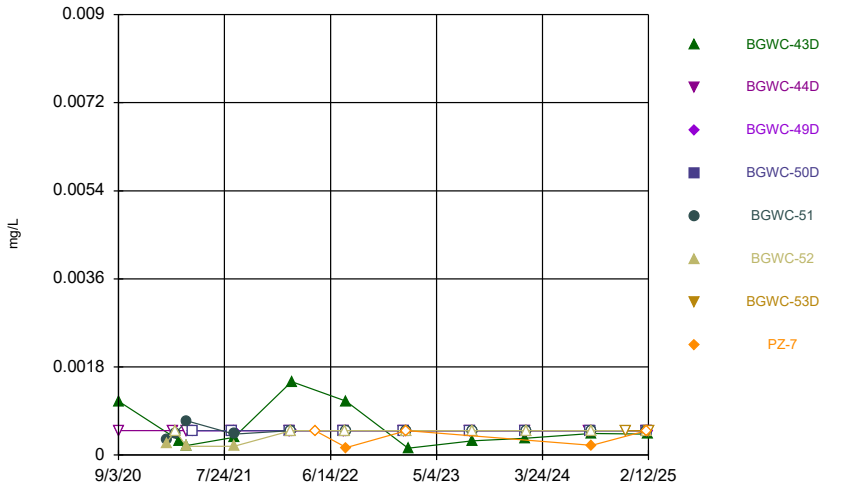
Time Series



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
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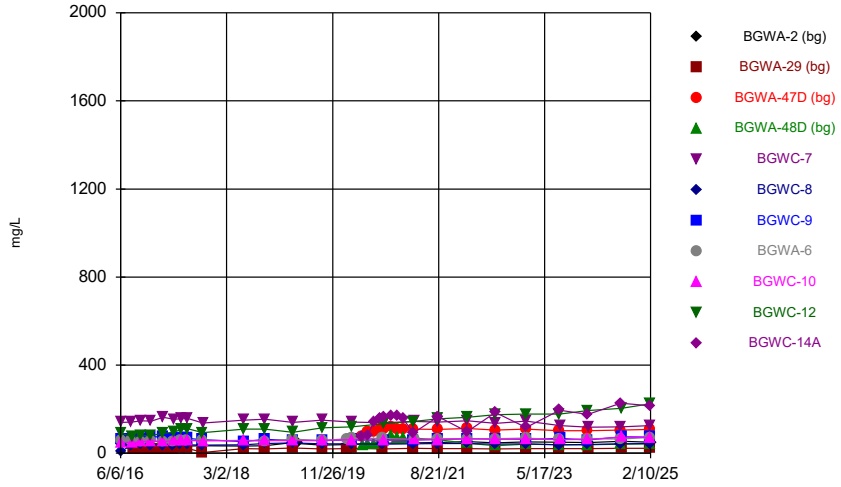
Time Series



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

Time Series

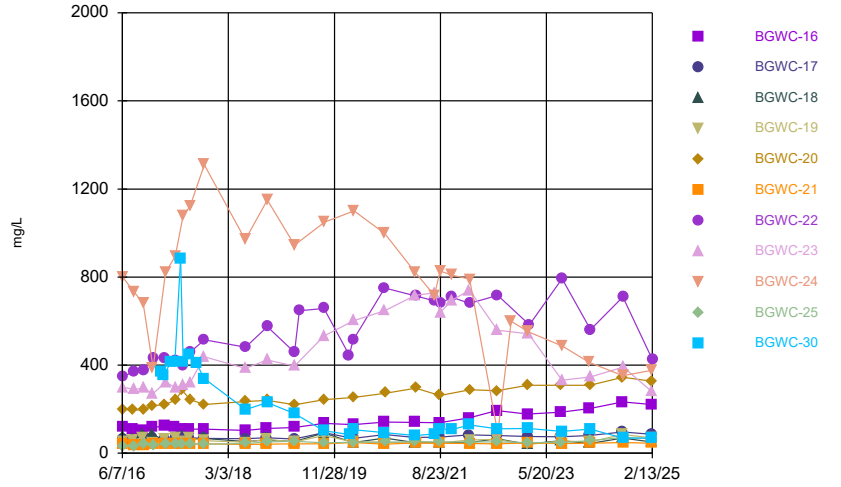


Constituent: Calcium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

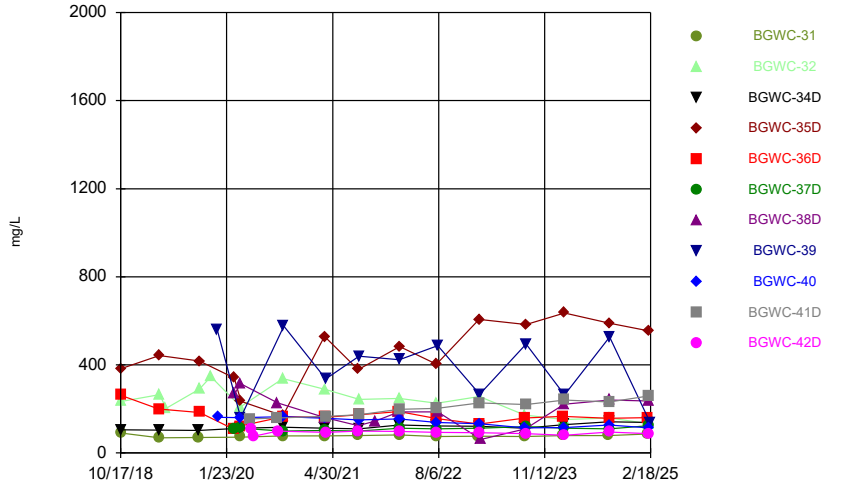


Constituent: Calcium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

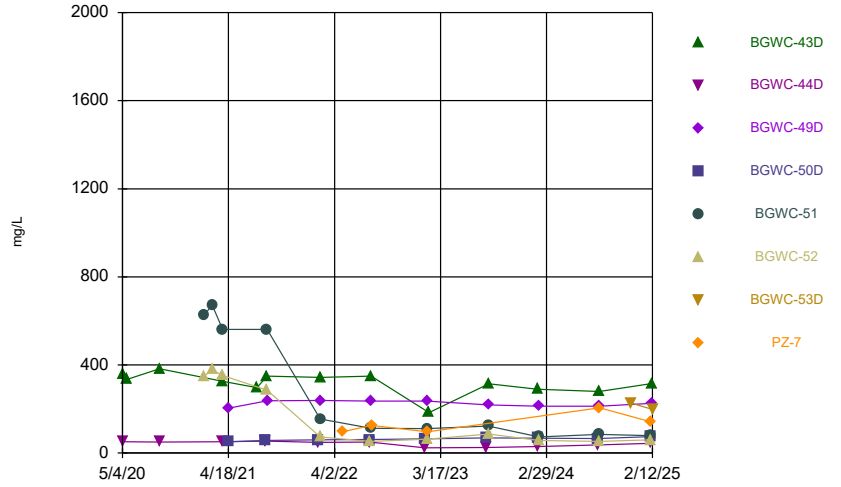


Constituent: Calcium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

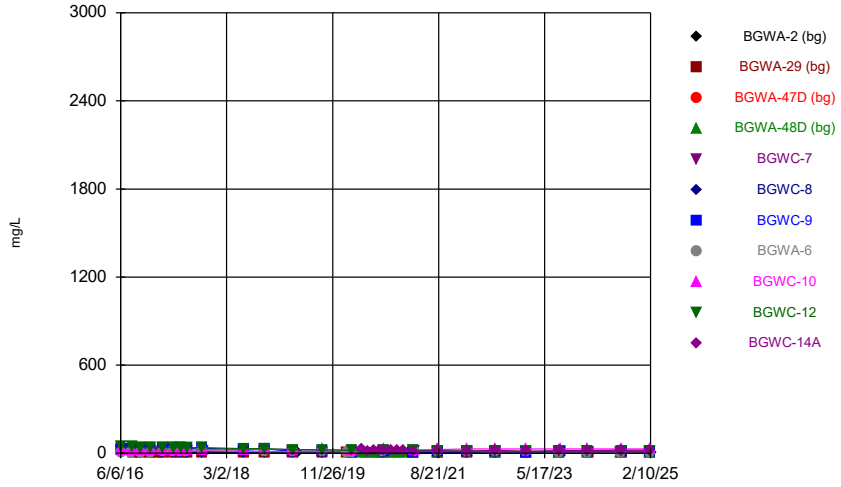


Constituent: Calcium Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series



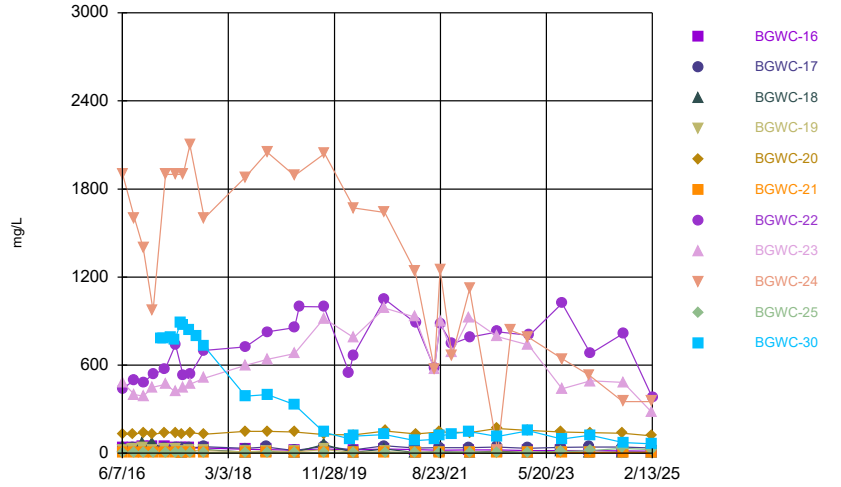
Constituent: Chloride Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

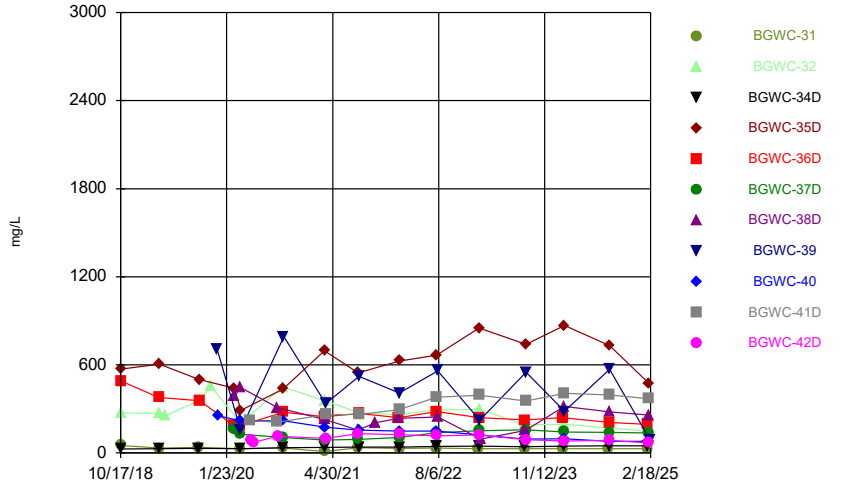


Constituent: Chloride Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

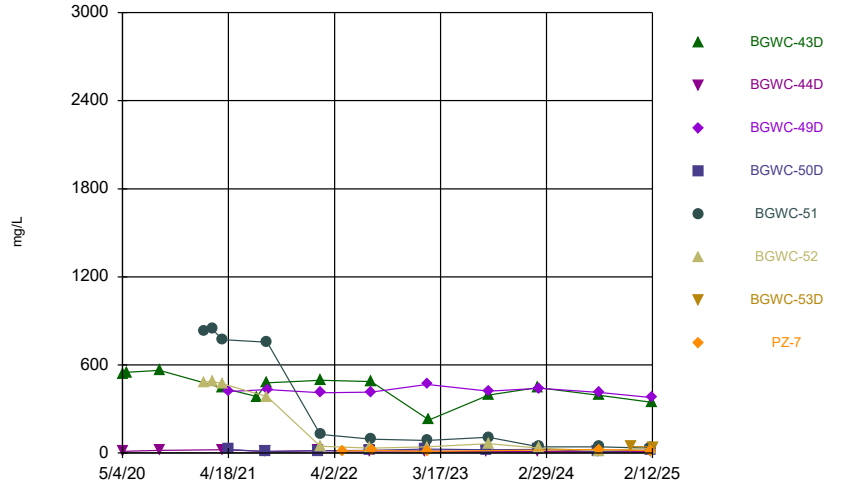


Constituent: Chloride Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

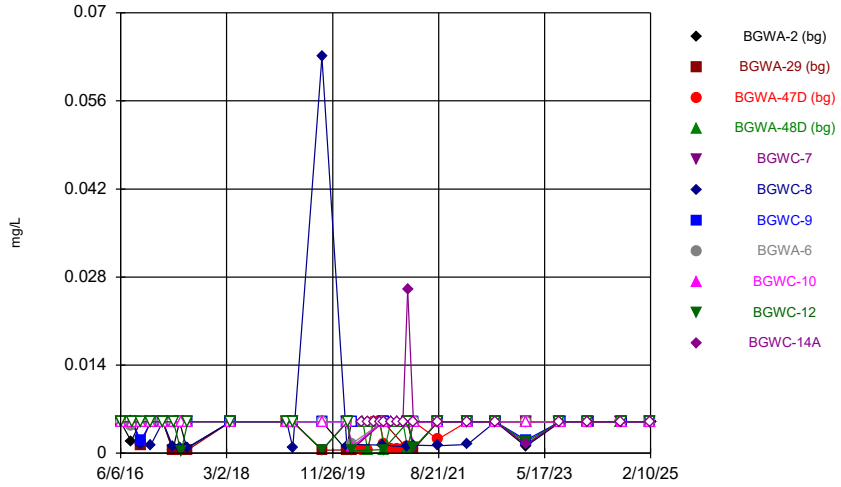


Constituent: Chloride Analysis Run 6/3/2025 11:30 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

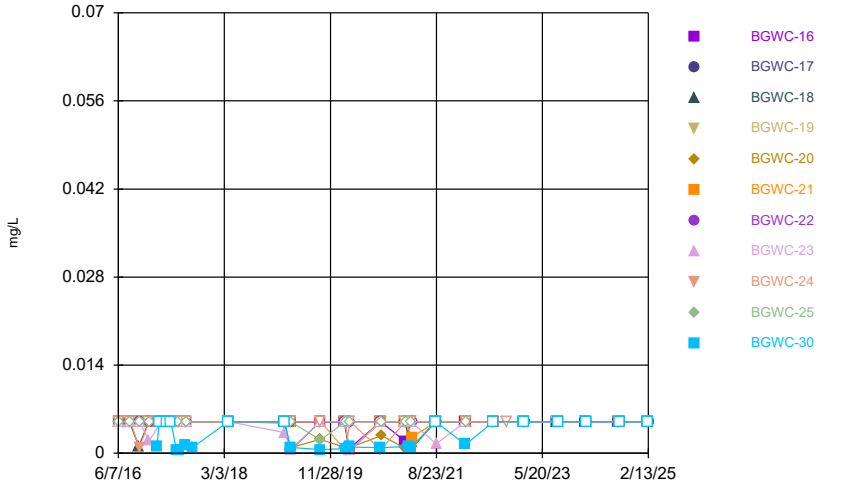
Time Series



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
Hollow symbols indicate censored values.

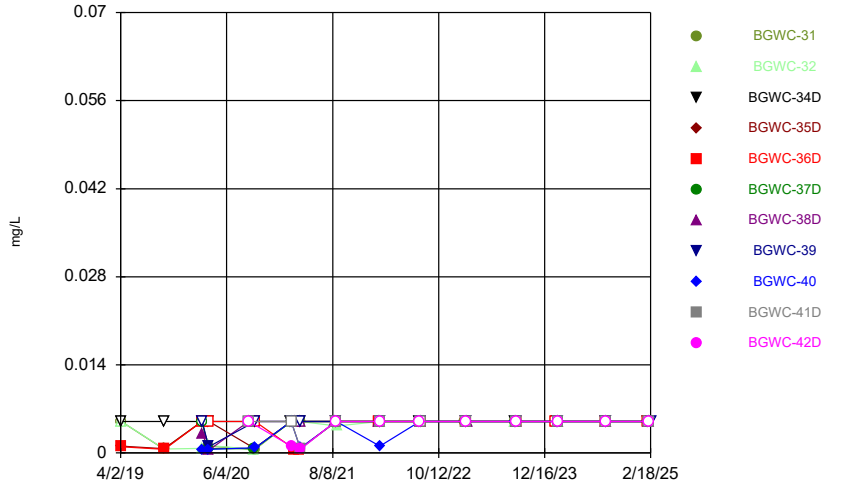
Time Series



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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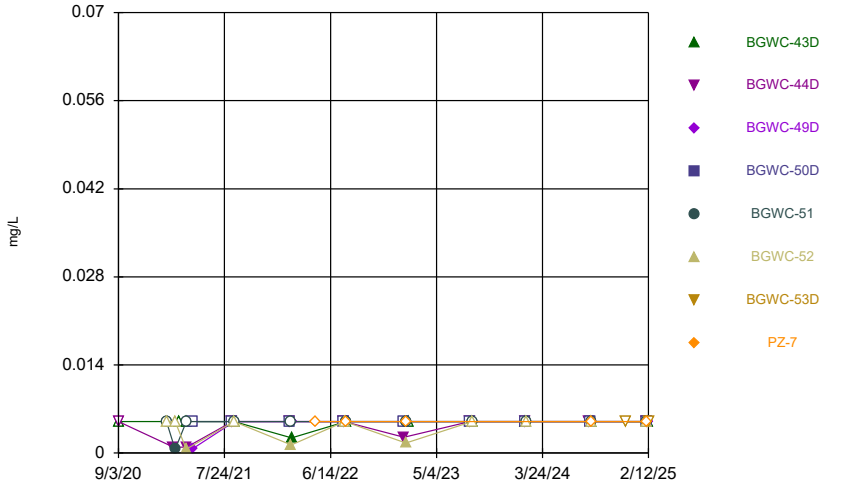
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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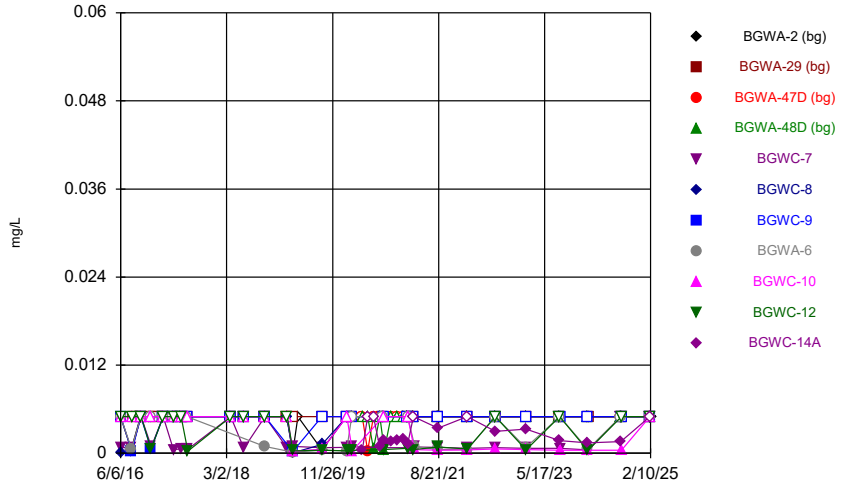
Time Series



Constituent: Chromium Analysis Run 6/3/2025 11:30 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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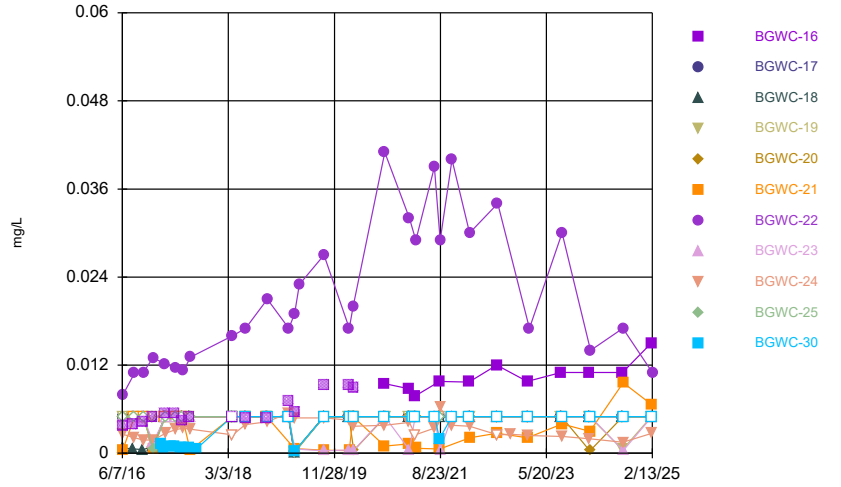
Time Series



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
Hollow symbols indicate censored values.

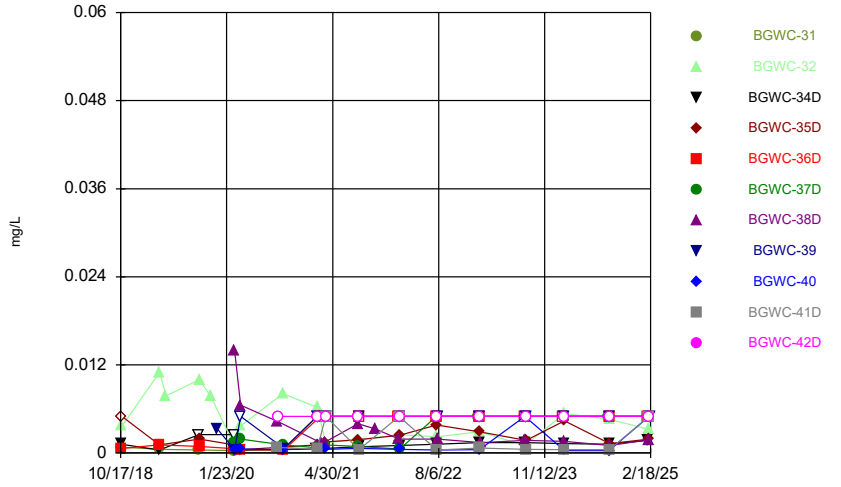
Time Series



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.

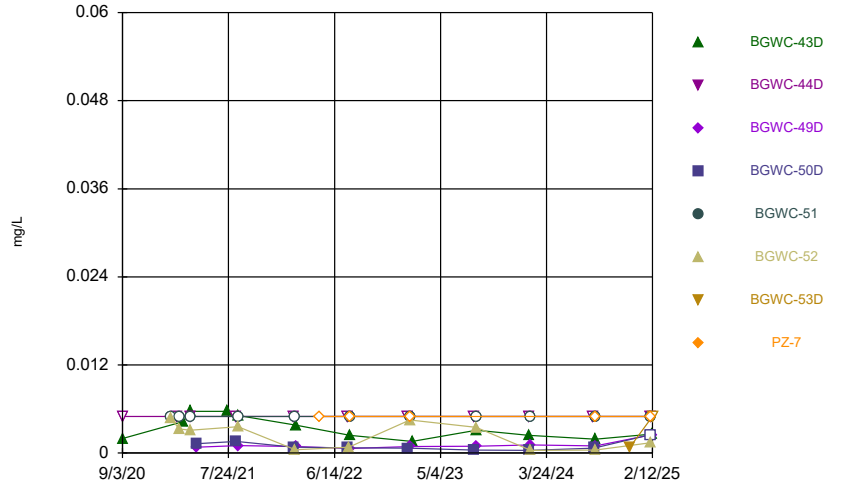
Time Series



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
Hollow symbols indicate censored values.

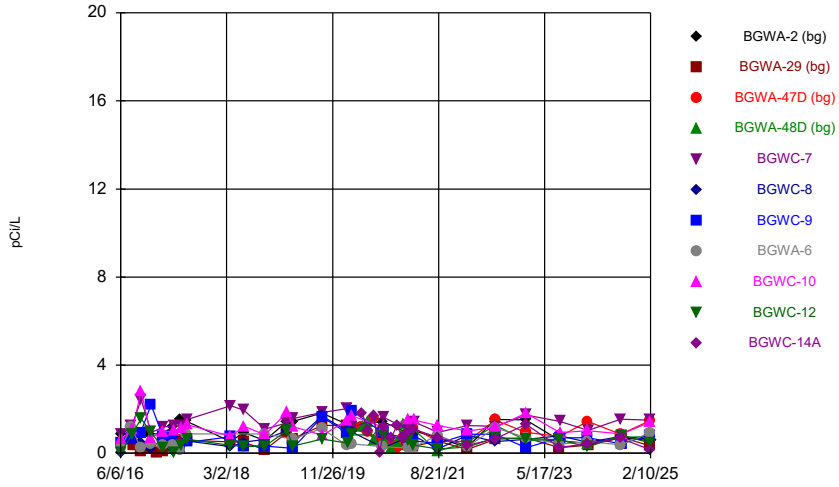
Time Series



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

Time Series

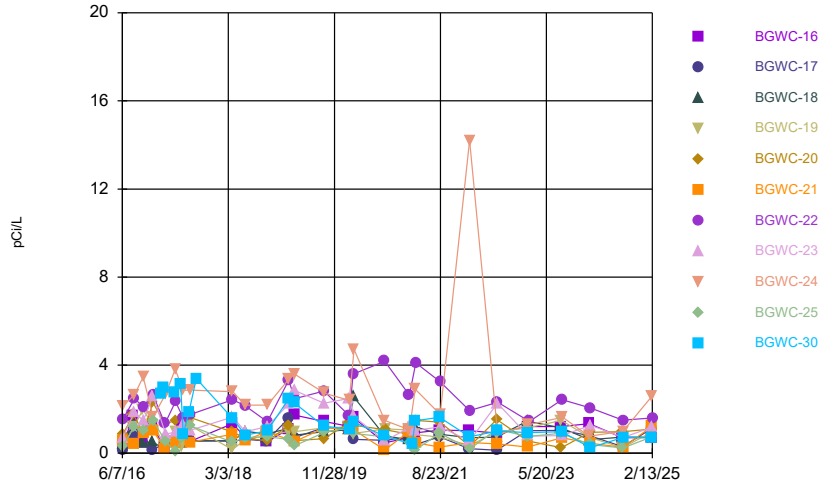


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

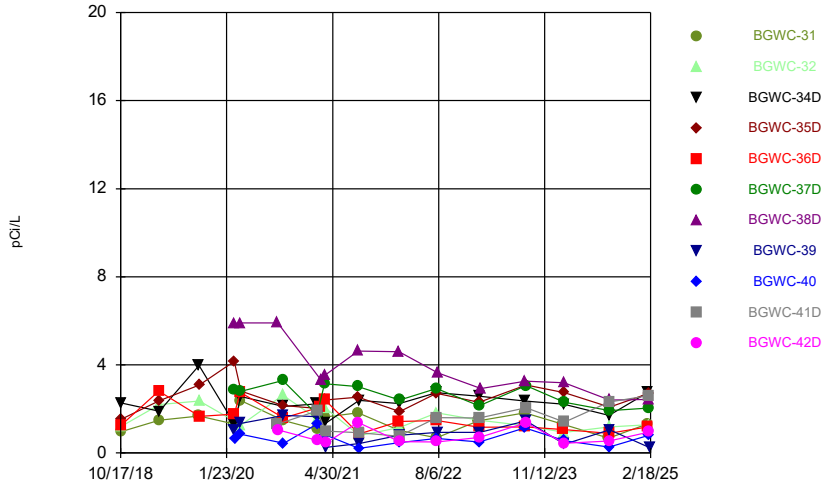


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

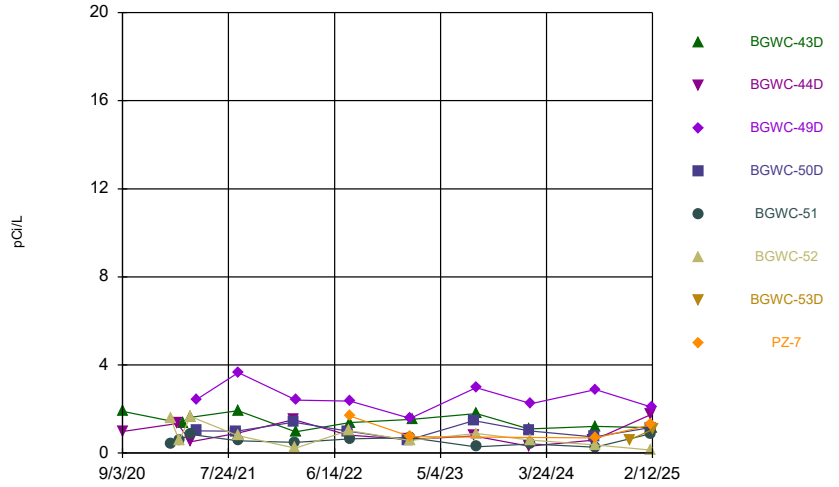


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

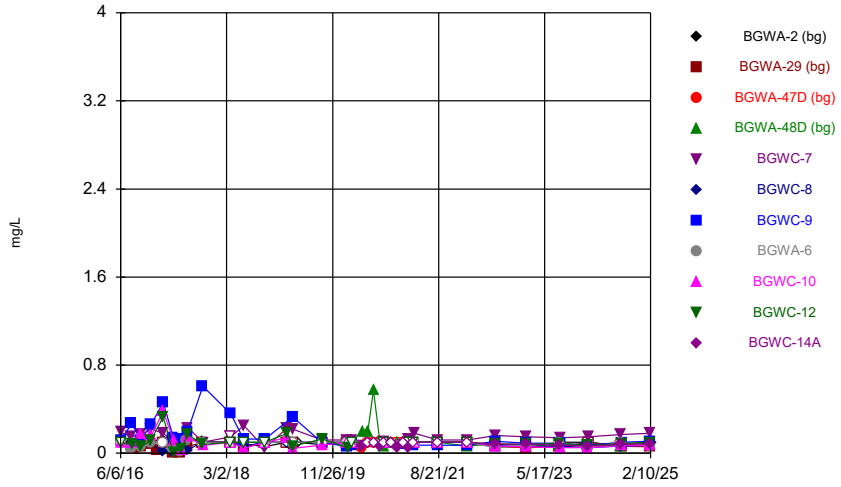


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:31 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

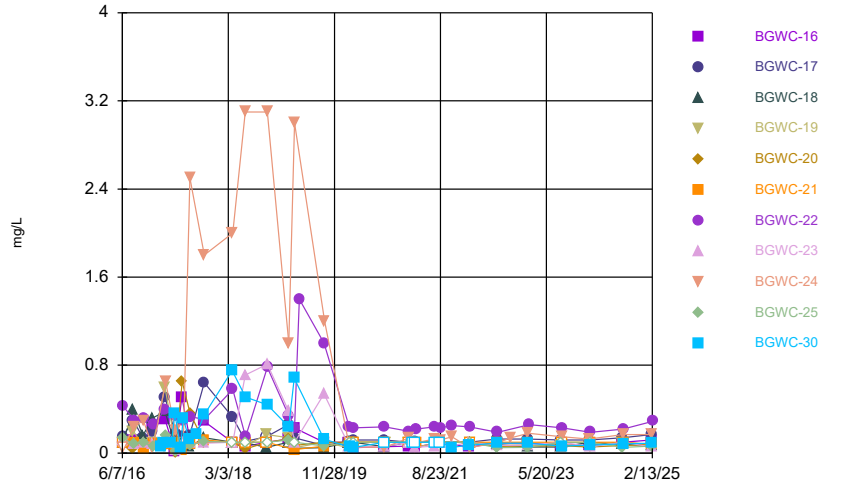
Time Series



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
Hollow symbols indicate censored values.

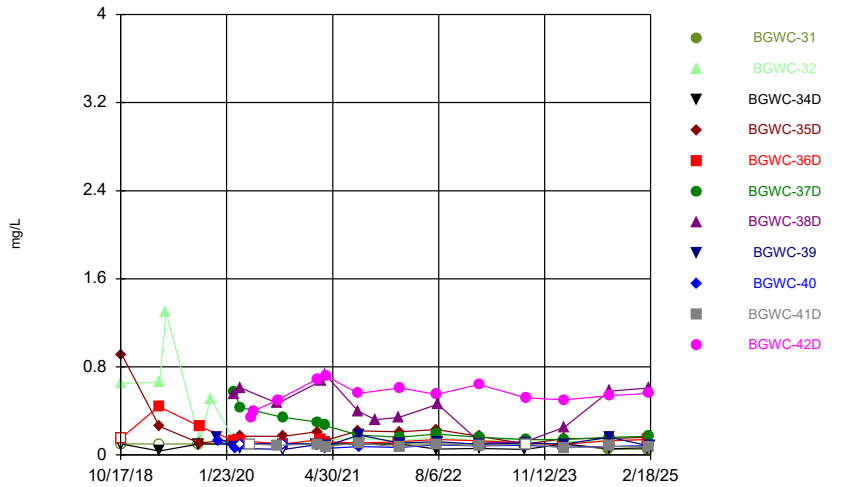
Time Series



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
Hollow symbols indicate censored values.

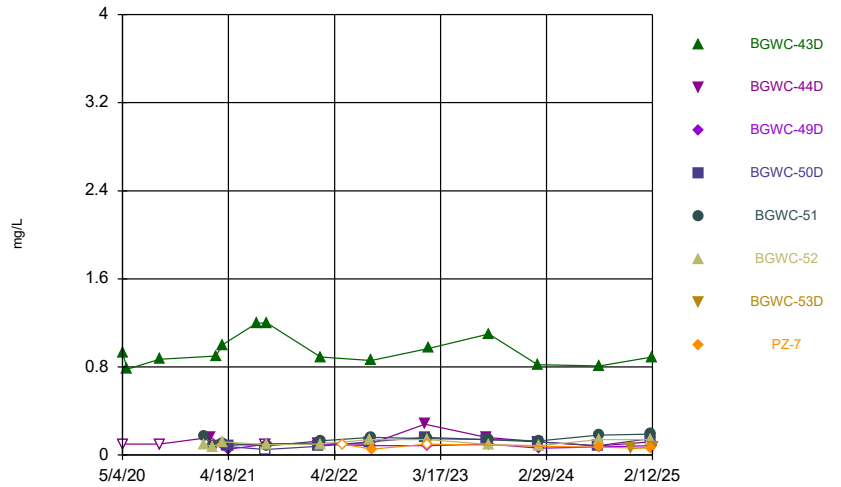
Time Series



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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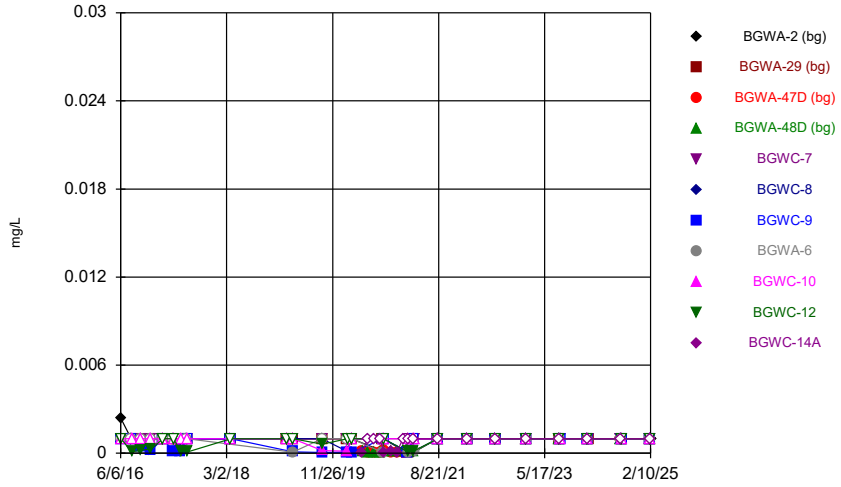
Time Series



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
Hollow symbols indicate censored values.

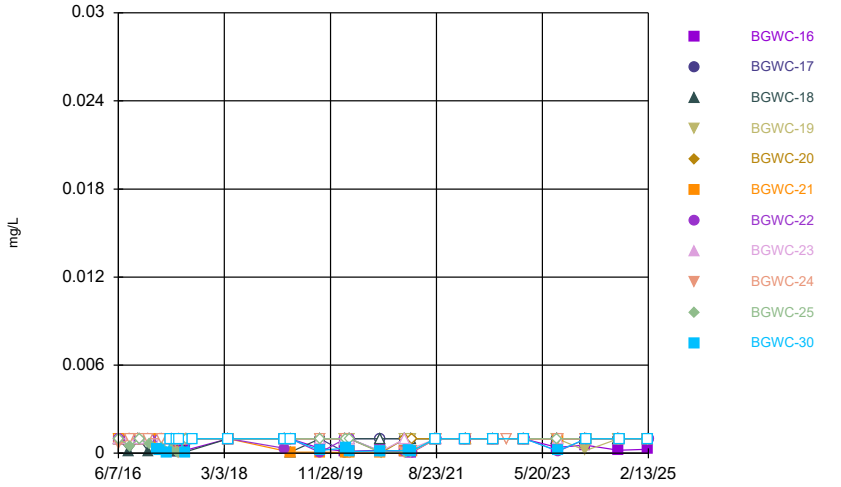
Time Series



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.

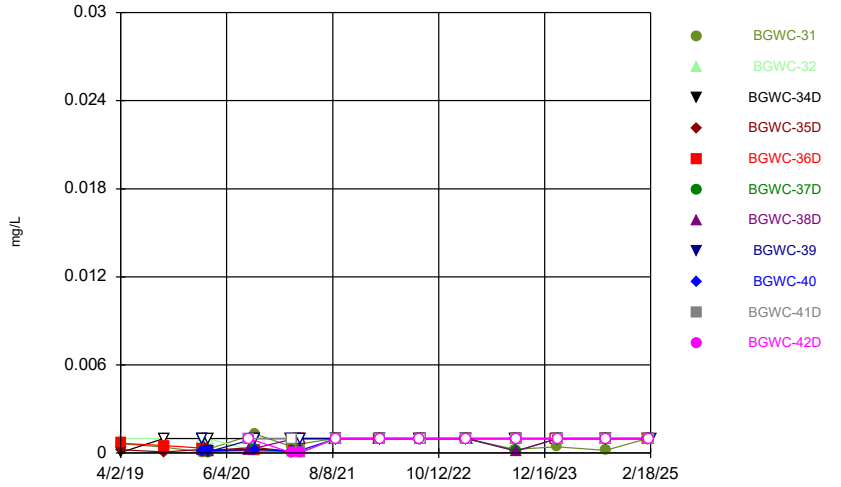
Time Series



Constituent: 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.

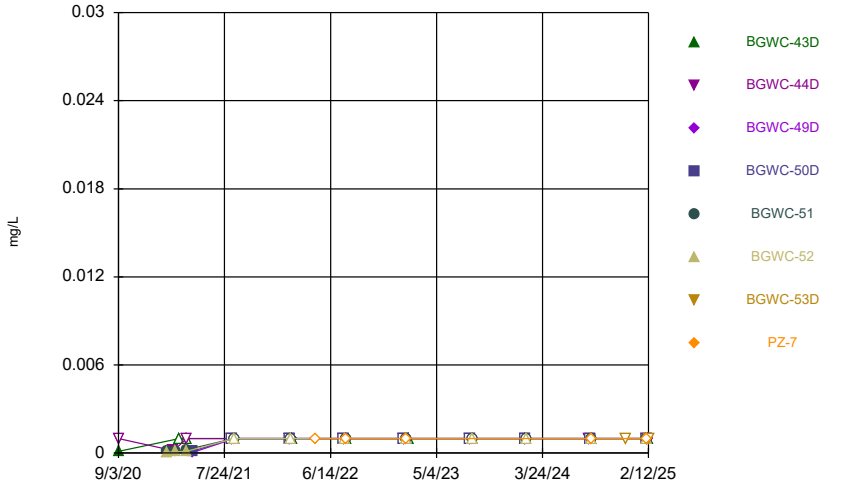
Time Series



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.

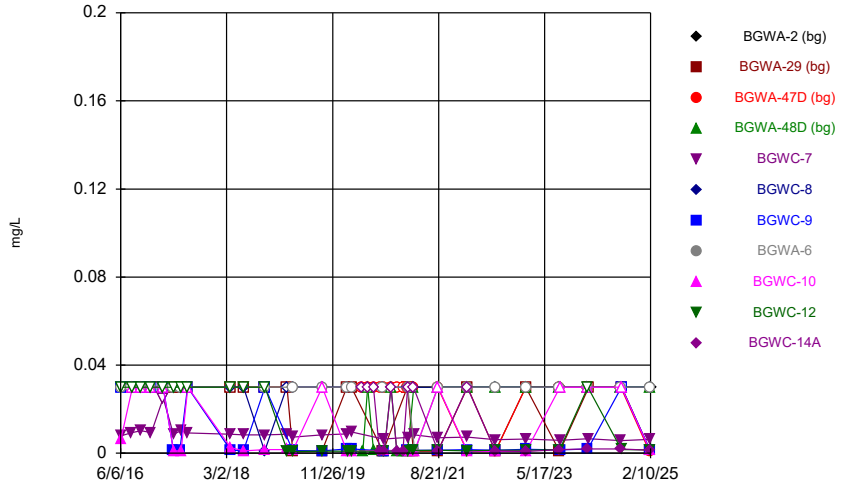
Time Series



Constituent: 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.

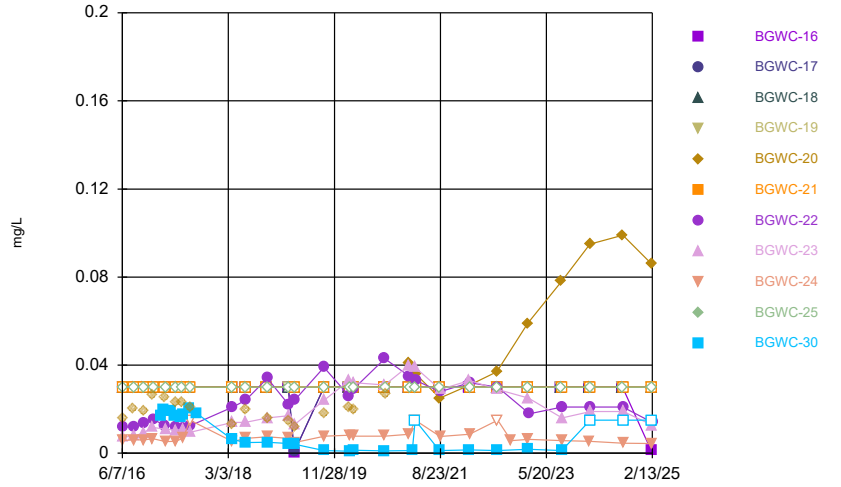
Time Series



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.

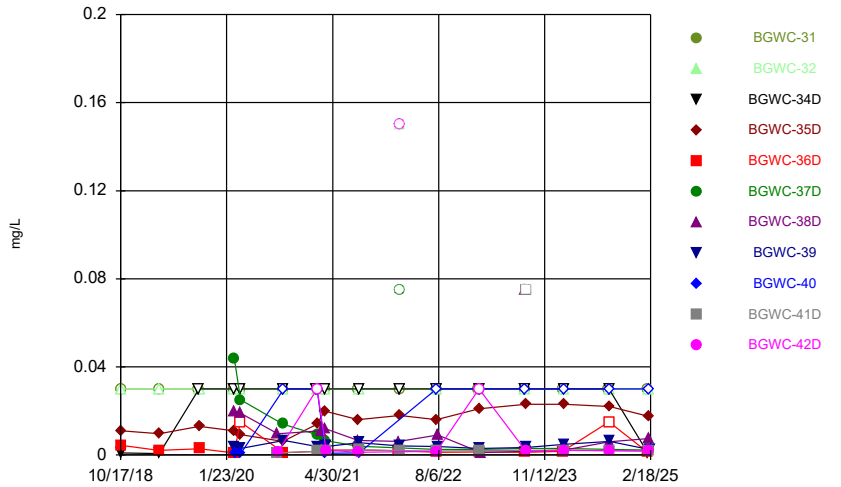
Time Series



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.

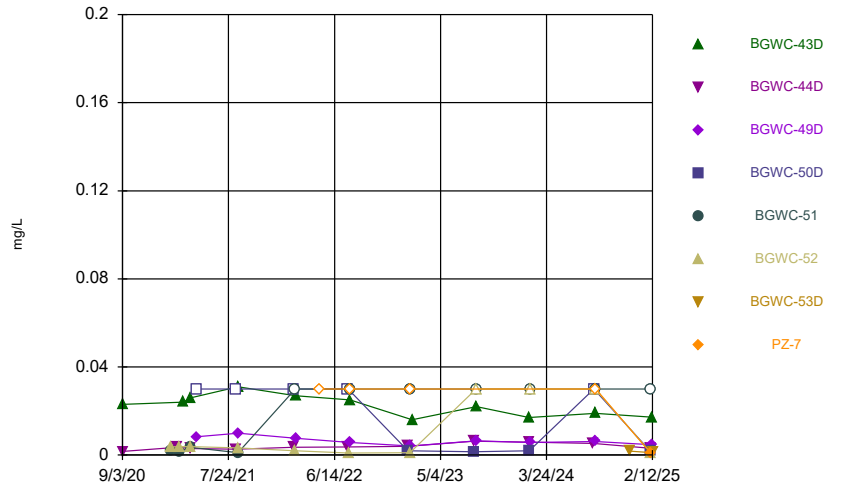
Time Series



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.

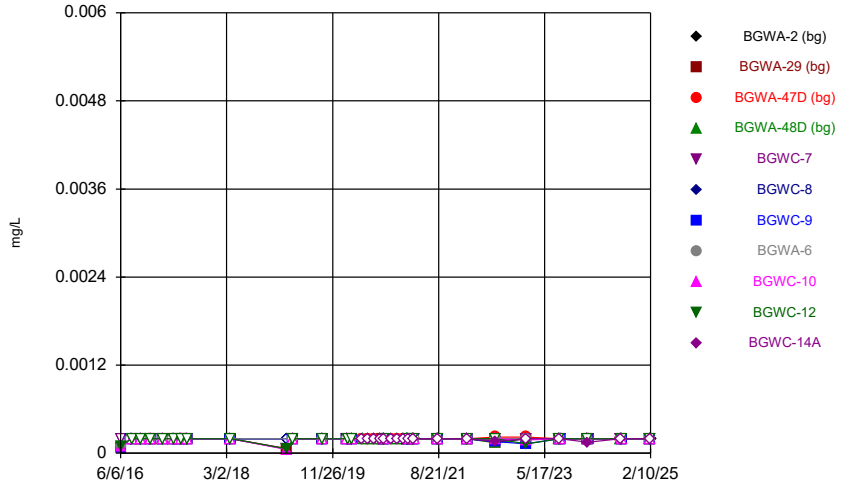
Time Series



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.

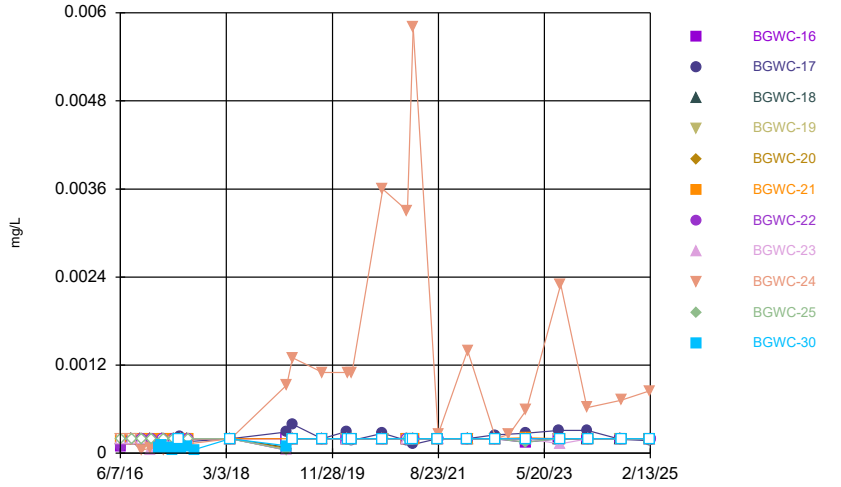
Time Series



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.

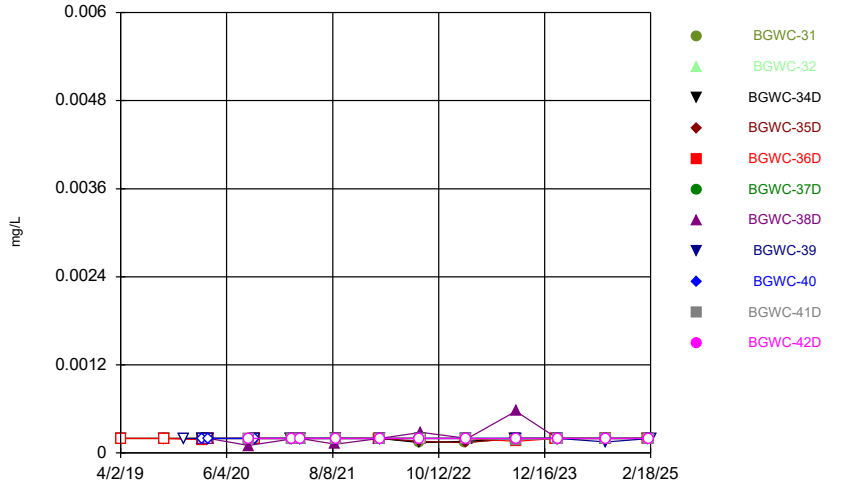
Time Series



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.

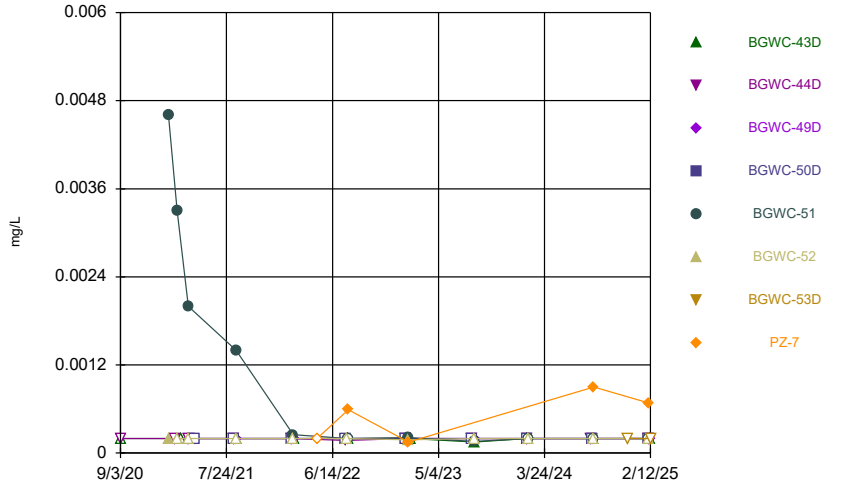
Time Series



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.

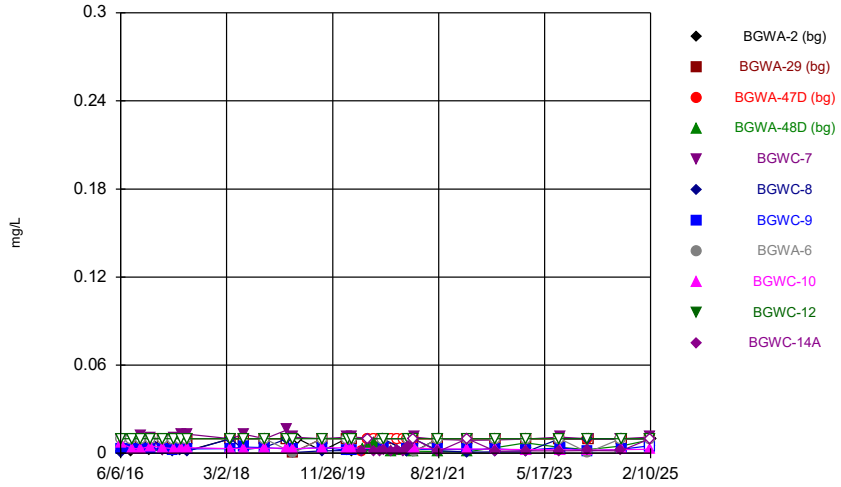
Time Series



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.

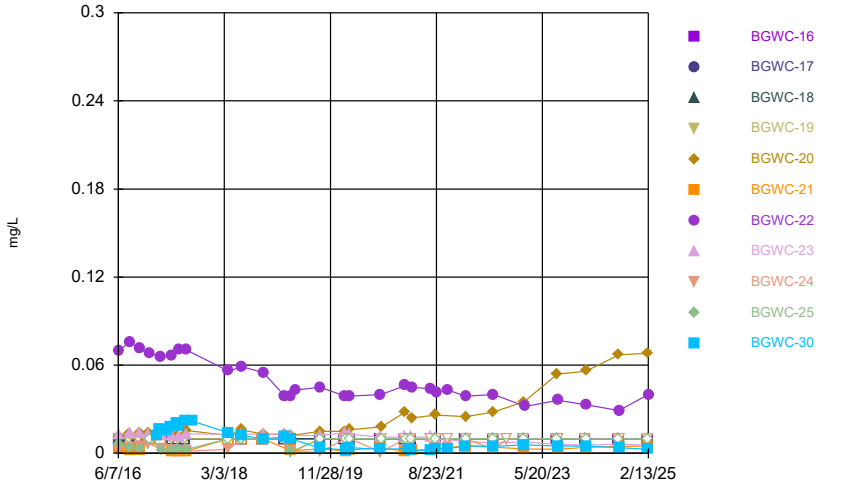
Time Series



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.

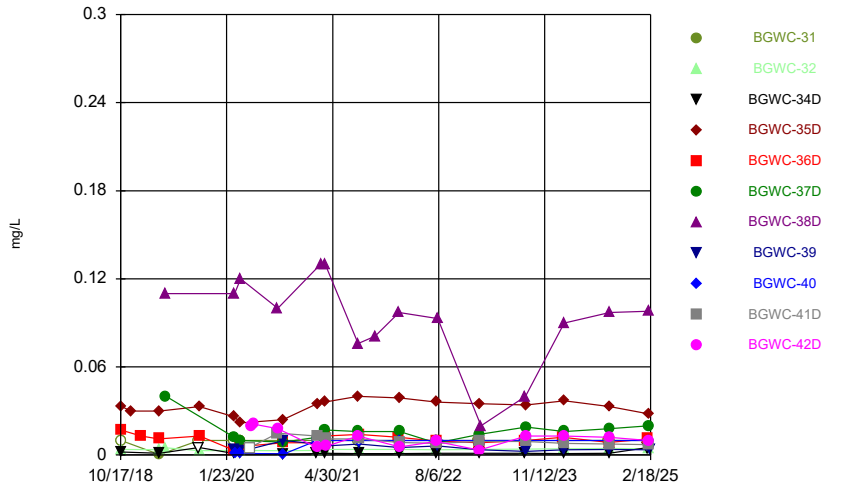
Time Series



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.

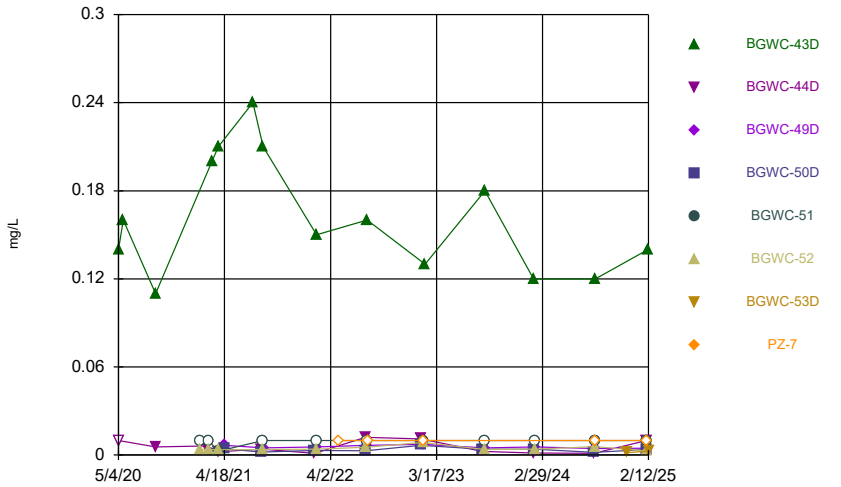
Time Series



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.

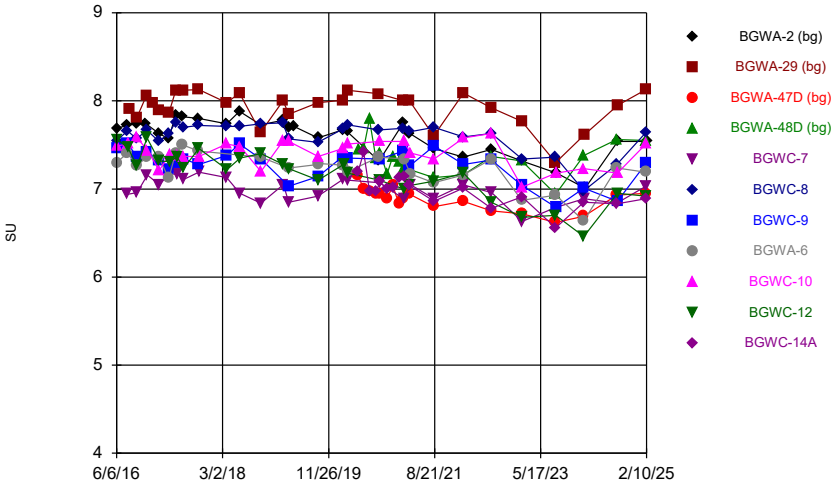
Time Series



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

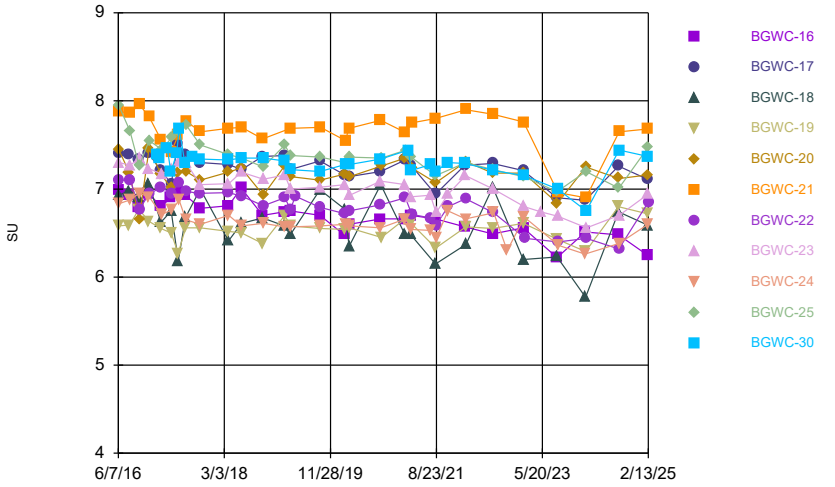


Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

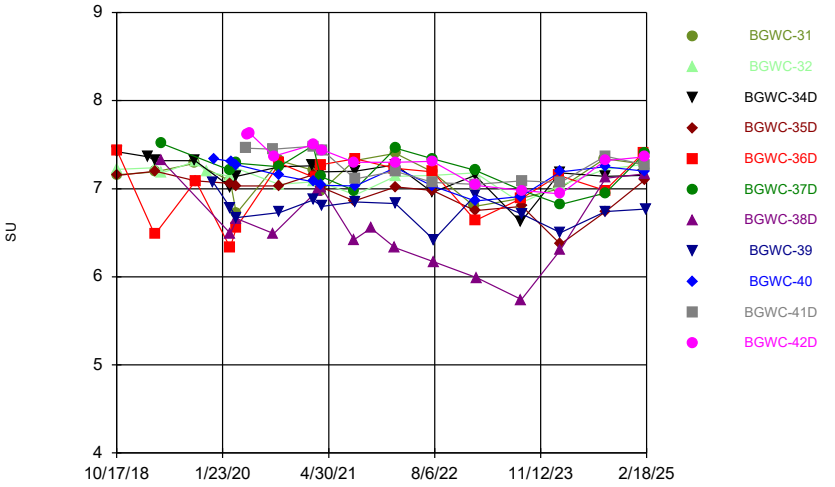


Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

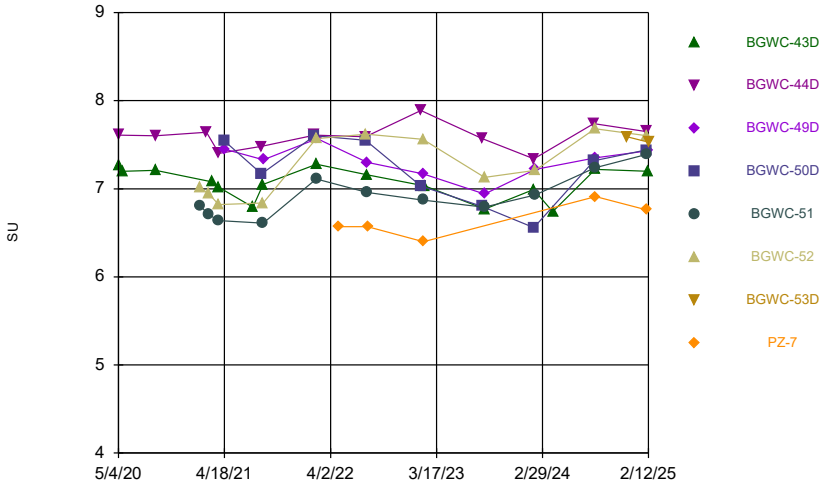


Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

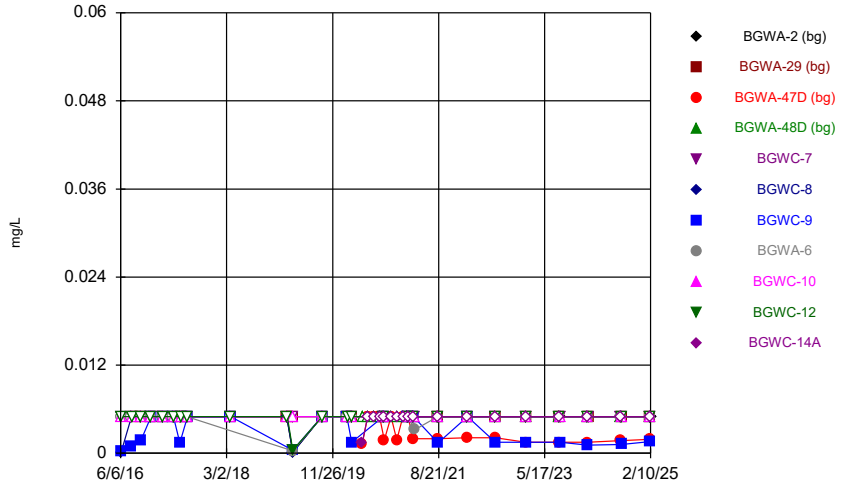


Constituent: pH, Field Analysis Run 6/3/2025 11:32 AM

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.

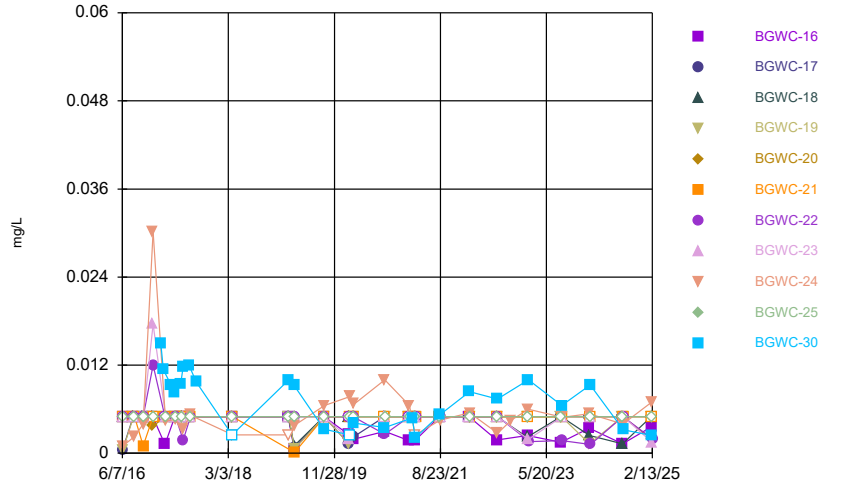
Time Series



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.

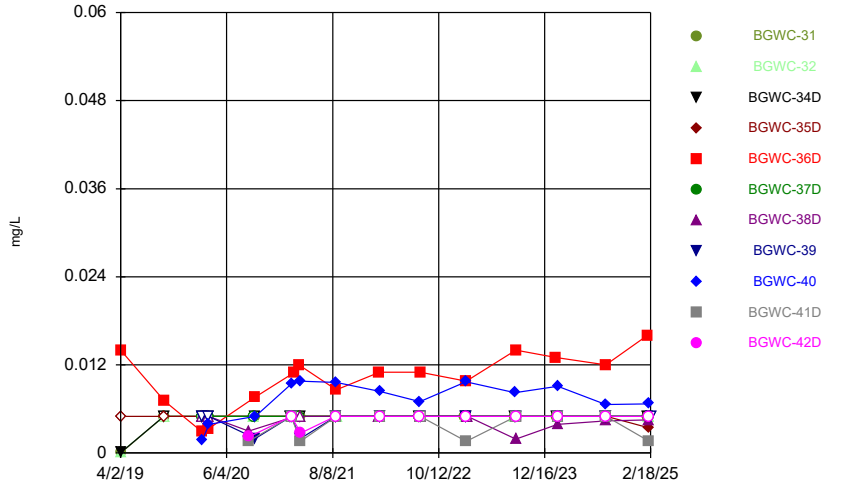
Time Series



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.

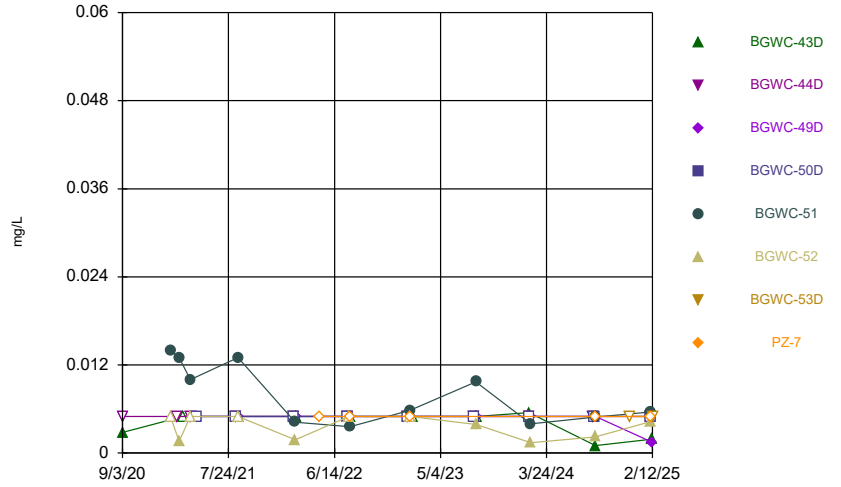
Time Series



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.

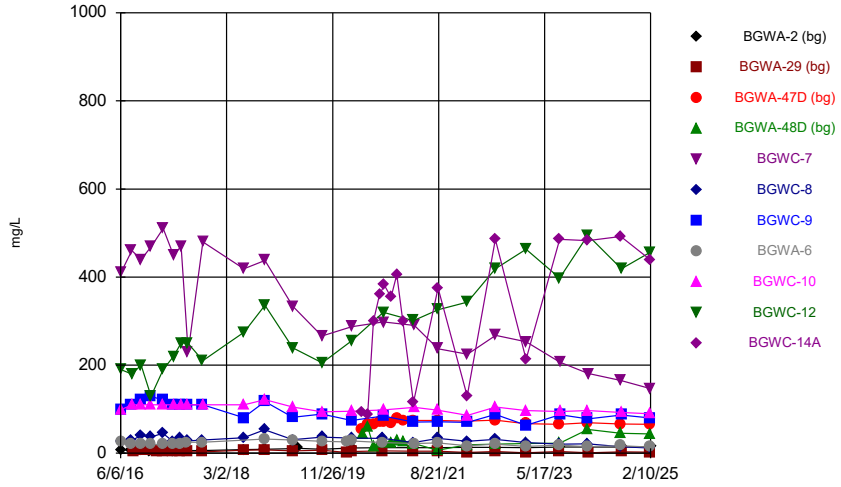
Time Series



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



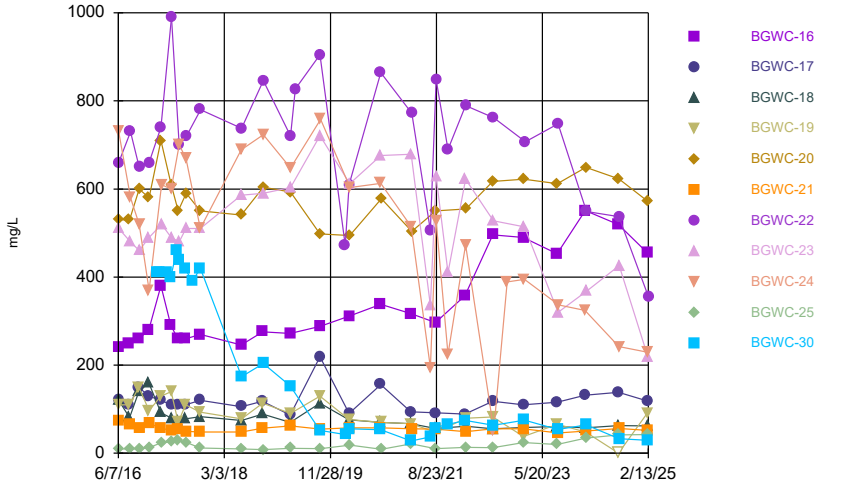
Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

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

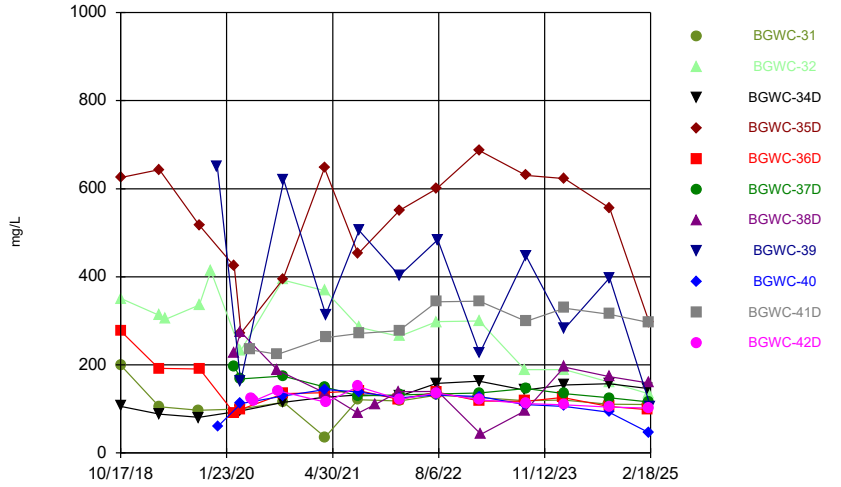


Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

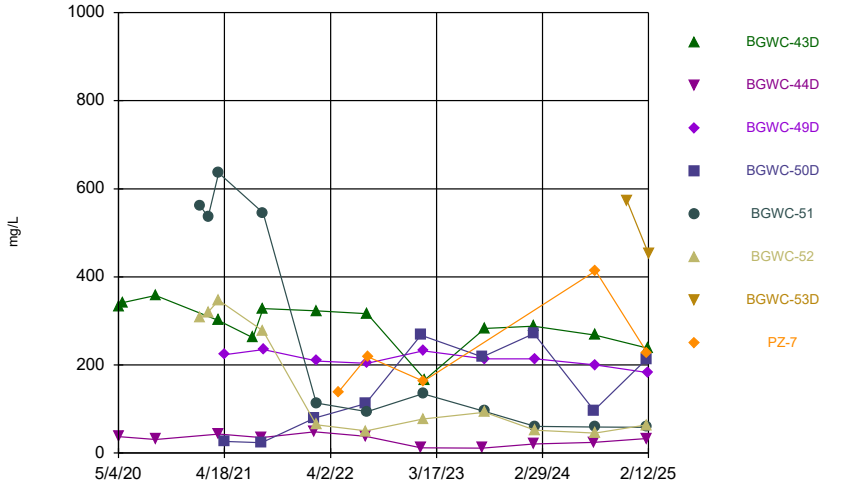


Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

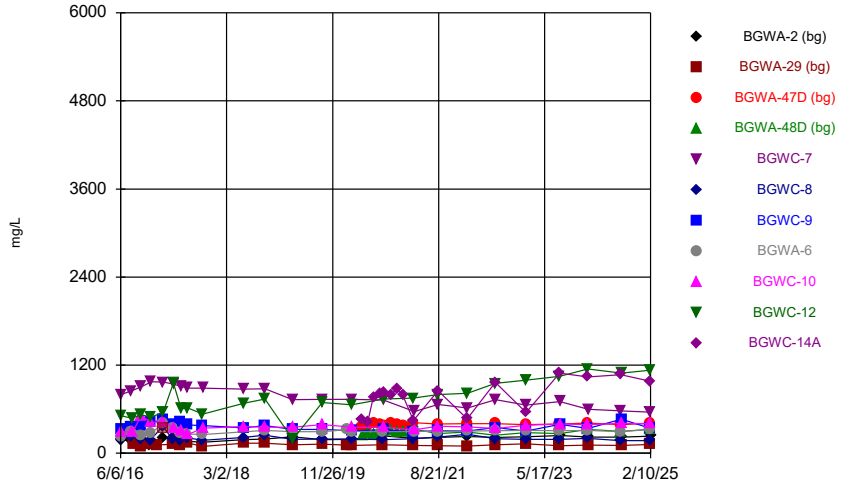


Constituent: Sulfate Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

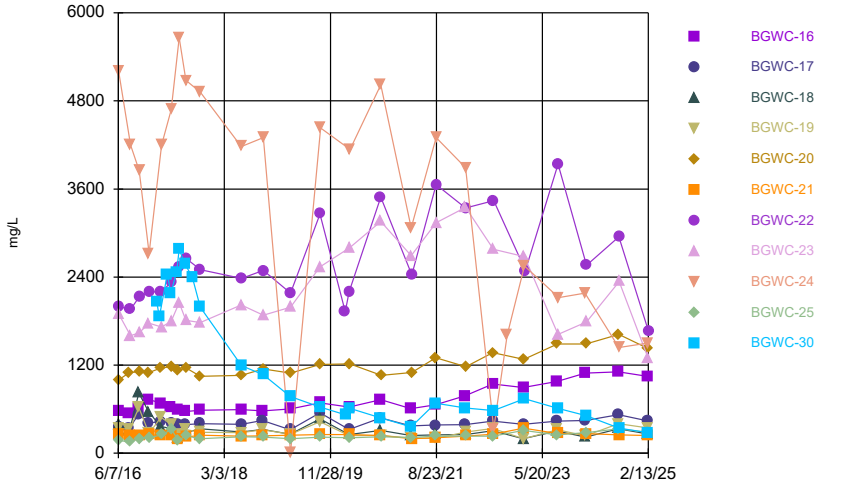


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

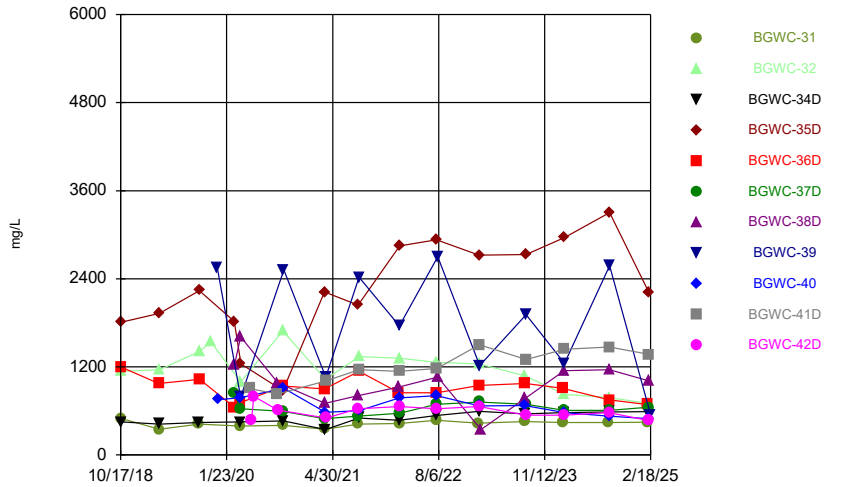


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

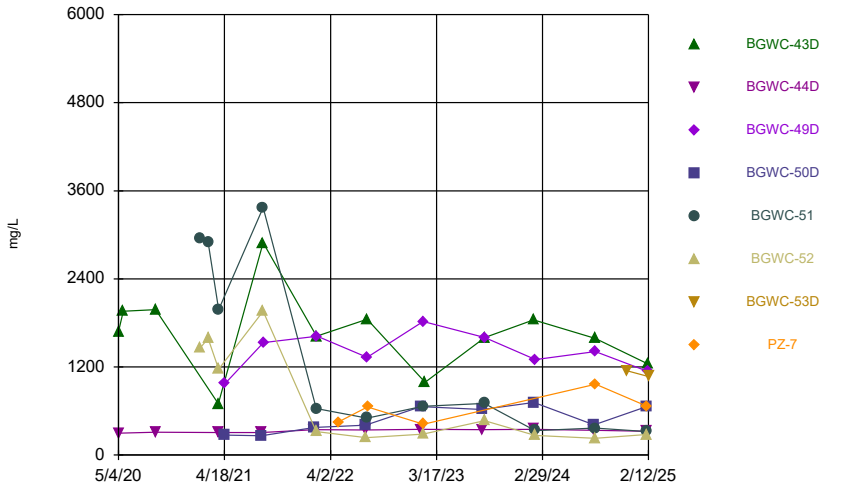


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Time Series

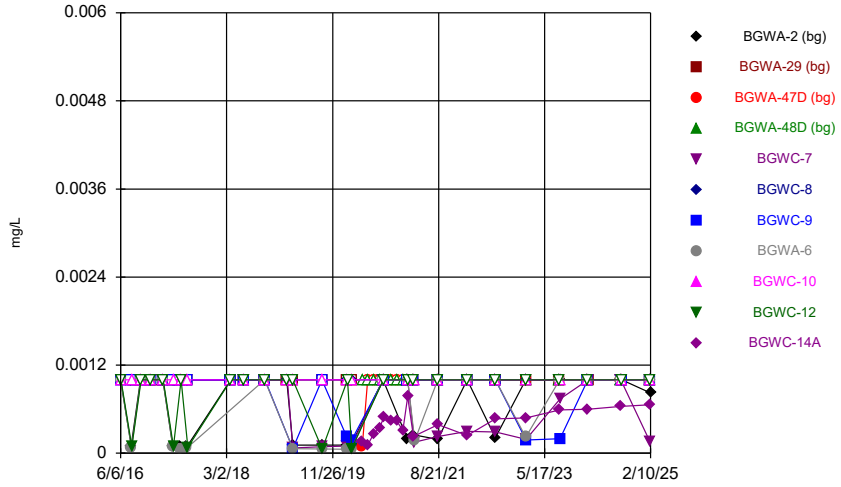


Constituent: TDS Analysis Run 6/3/2025 11:32 AM

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.

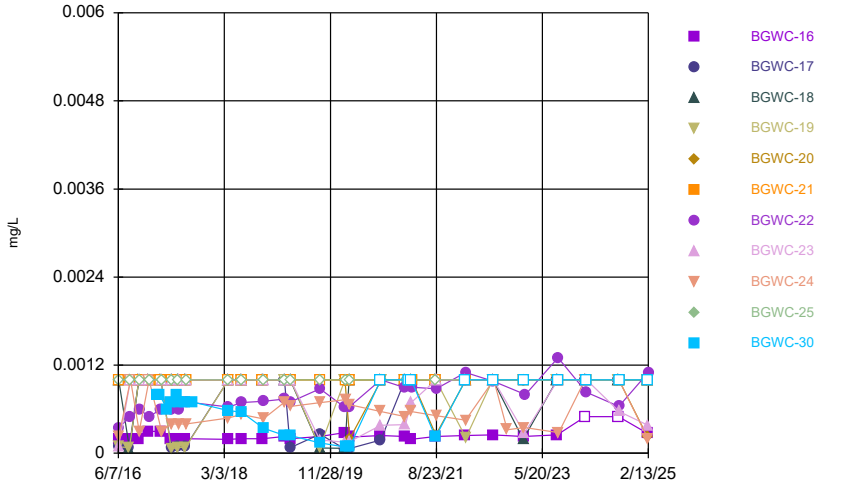
Time Series



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.

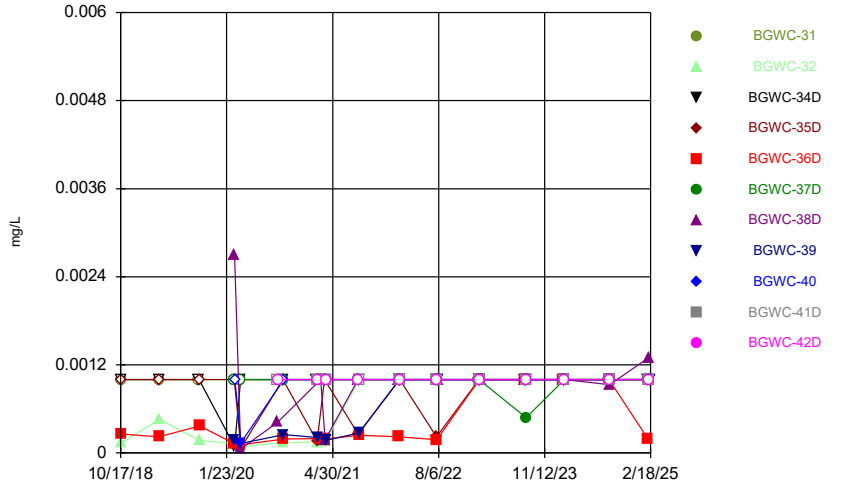
Time Series



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.

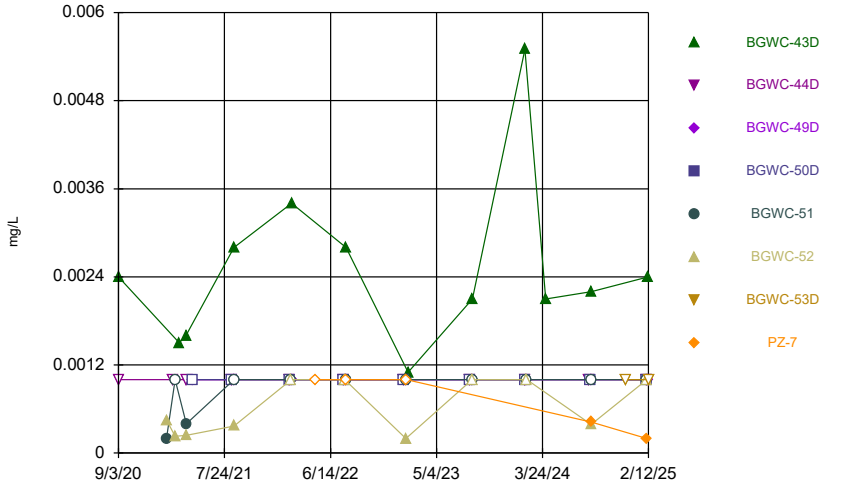
Time Series



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)		

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								

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		

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-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

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)

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		

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		

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	

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
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		

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)	

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
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	

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		

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
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	

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
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		

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)								

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	

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

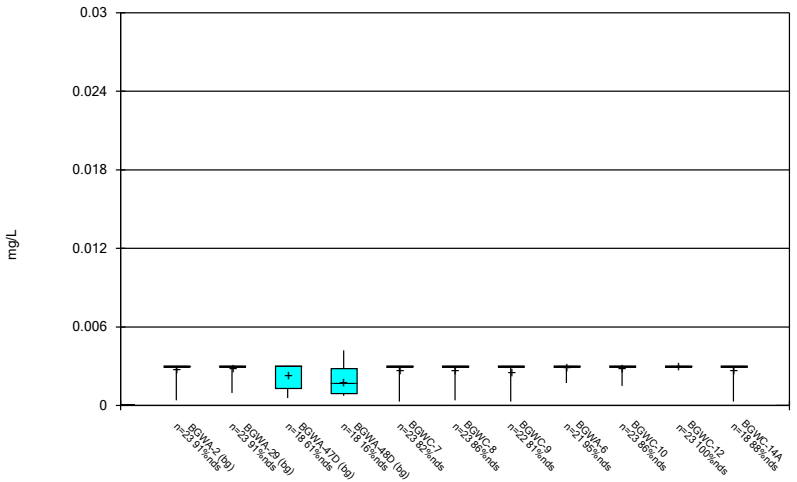
	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-53D	PZ-7
9/3/2020	0.0024	<0.001						
1/28/2021					0.0002 (J)	0.00045 (J)		
2/18/2021		<0.001						
2/23/2021					<0.001	0.00023 (J)		
3/8/2021	0.0015							
3/29/2021	0.0016							
3/30/2021					0.0004 (J)	0.00024 (J)		
3/31/2021		<0.001						
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

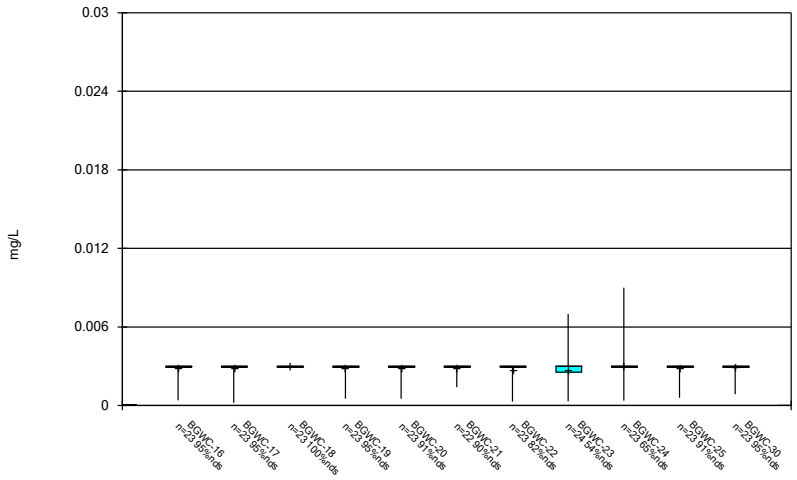


Constituent: Antimony Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

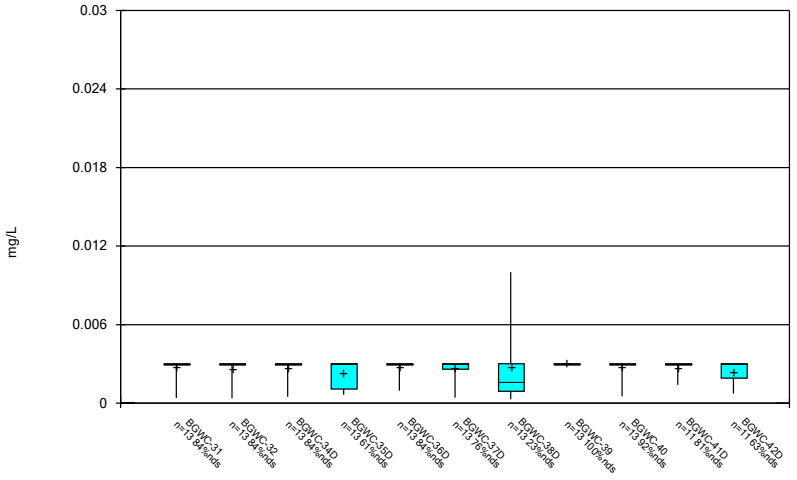


Constituent: Antimony Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

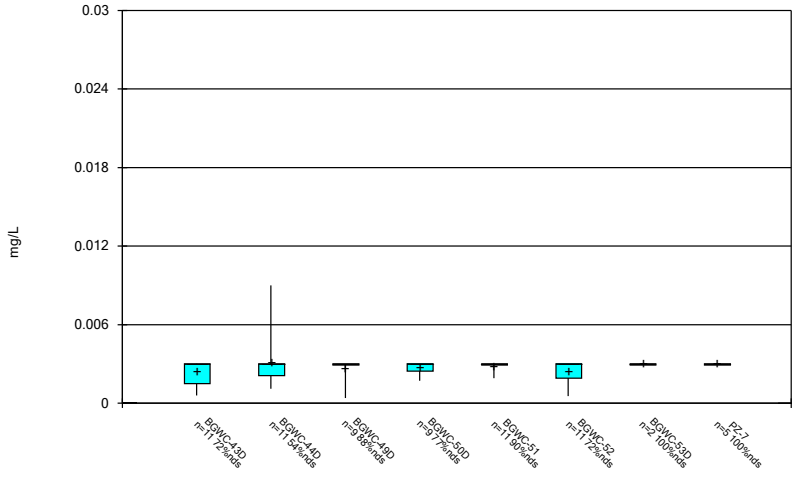


Constituent: Antimony Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

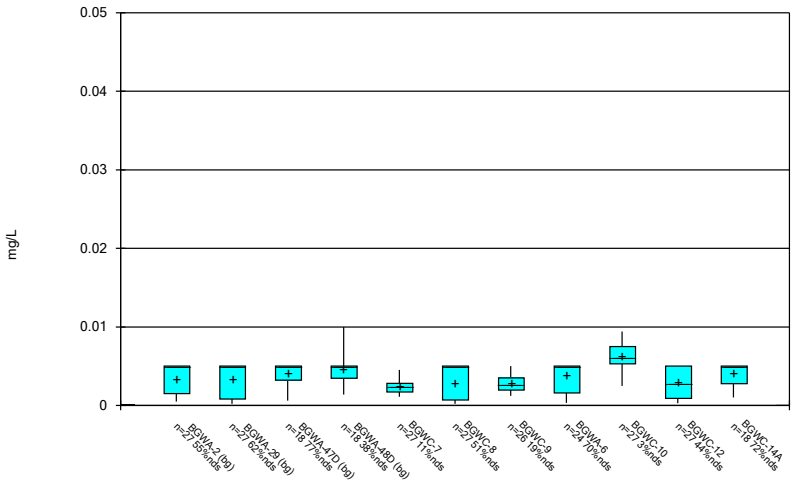


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

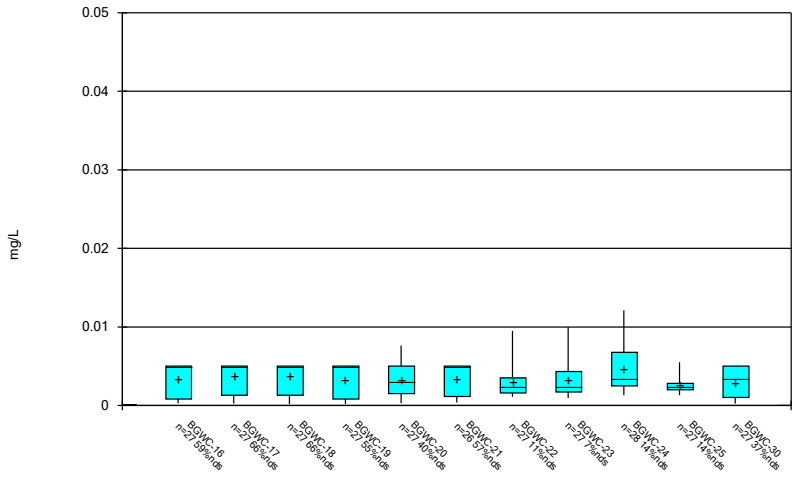


Constituent: Arsenic Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

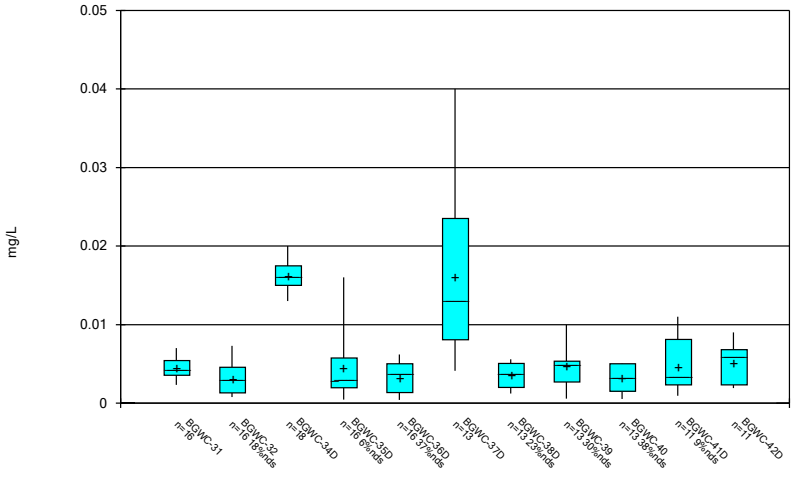


Constituent: Arsenic Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

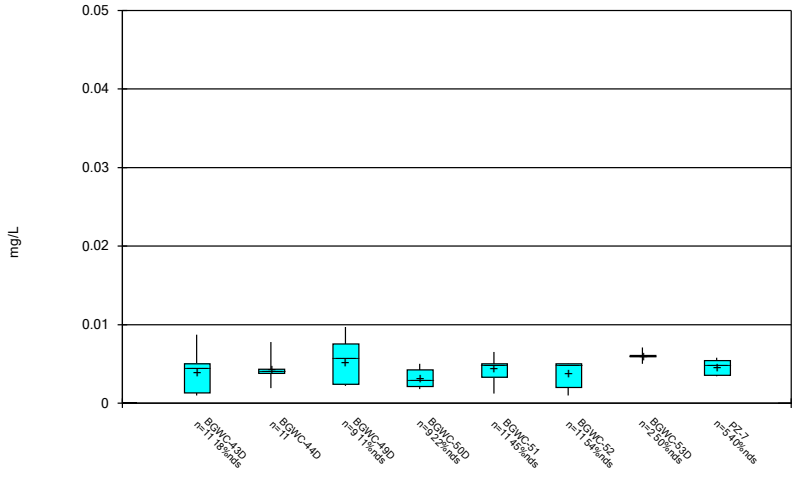


Constituent: Arsenic Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

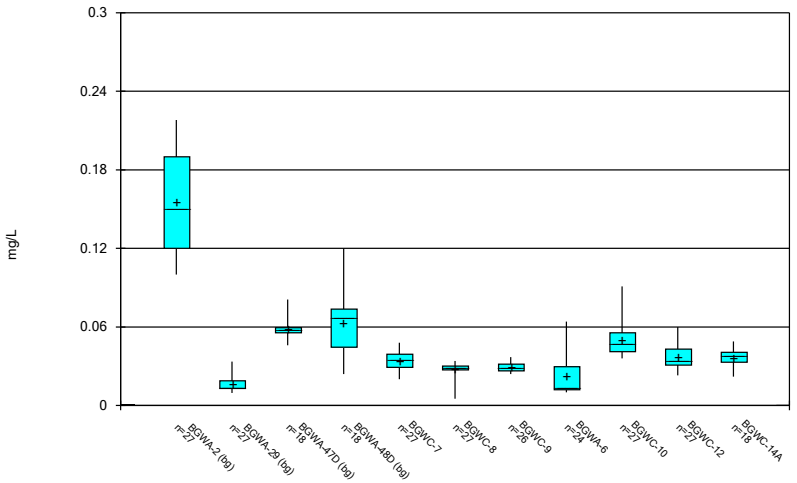


Constituent: Arsenic Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

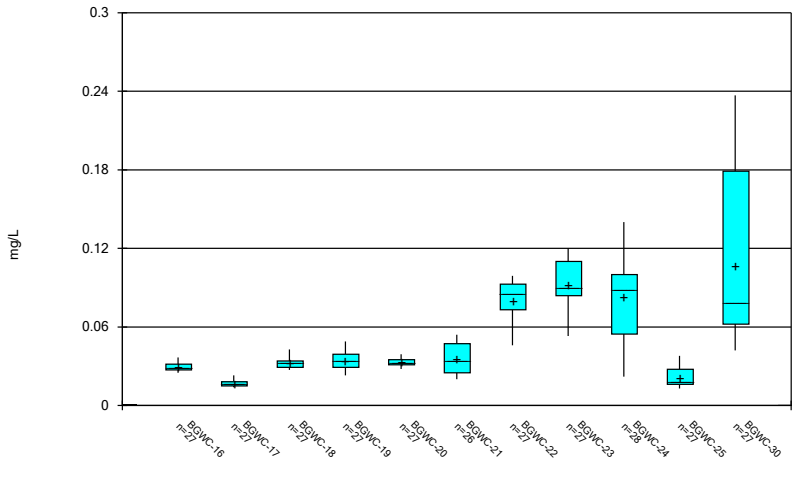


Constituent: Barium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

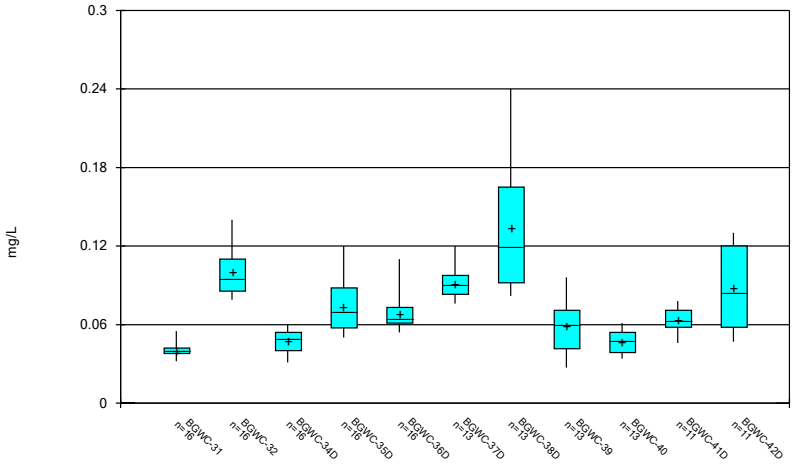


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

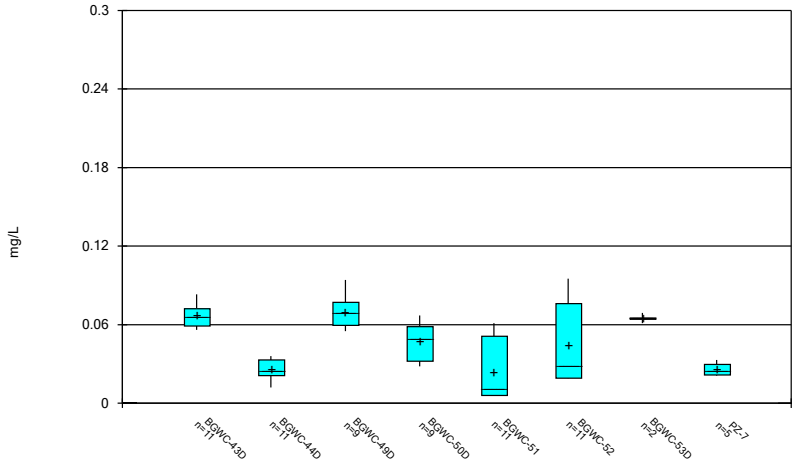


Constituent: Barium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

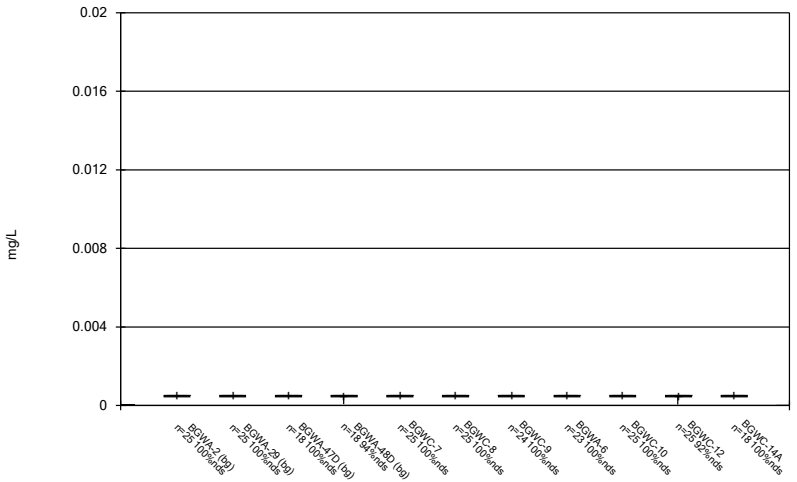


Constituent: Barium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

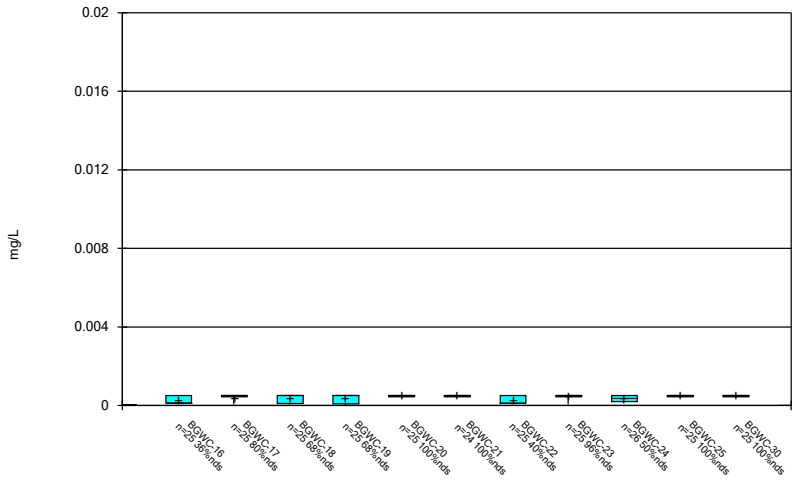


Constituent: Beryllium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

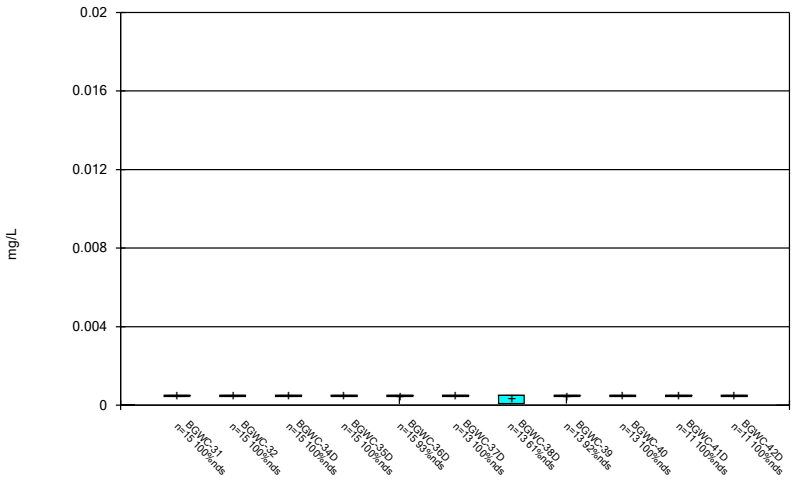


Constituent: Beryllium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

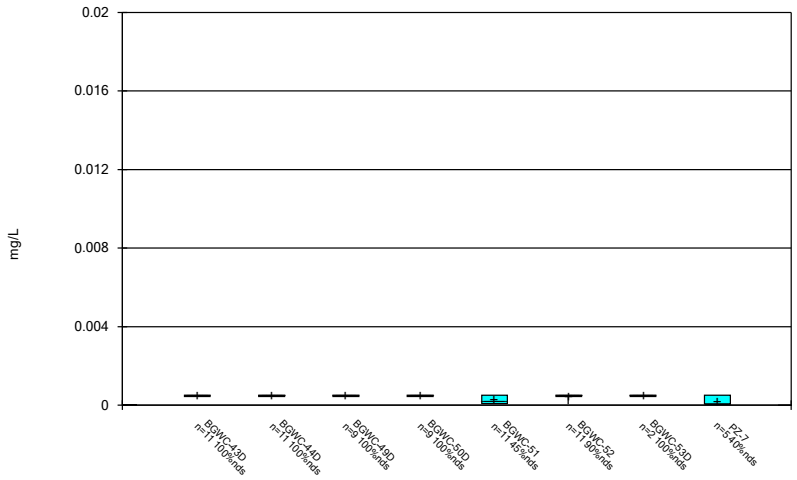


Constituent: Beryllium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

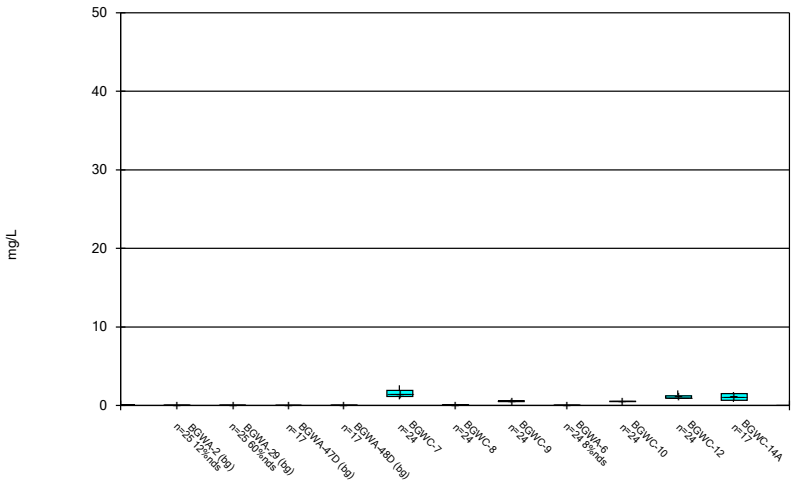


Constituent: Beryllium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

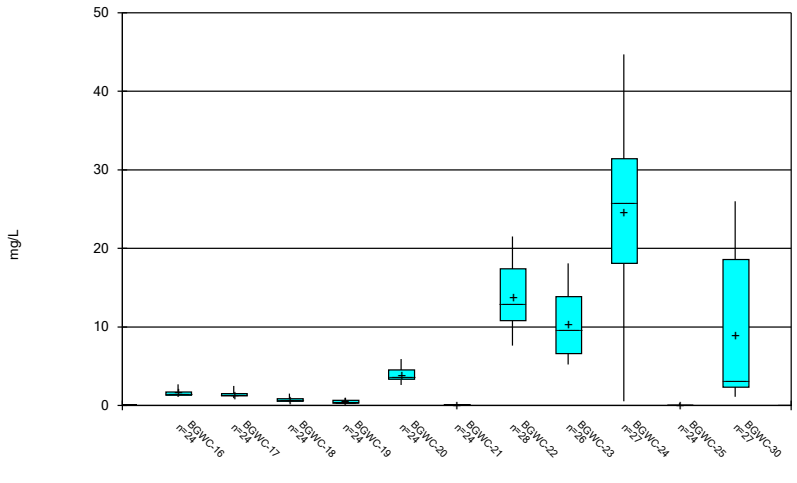


Constituent: Boron Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

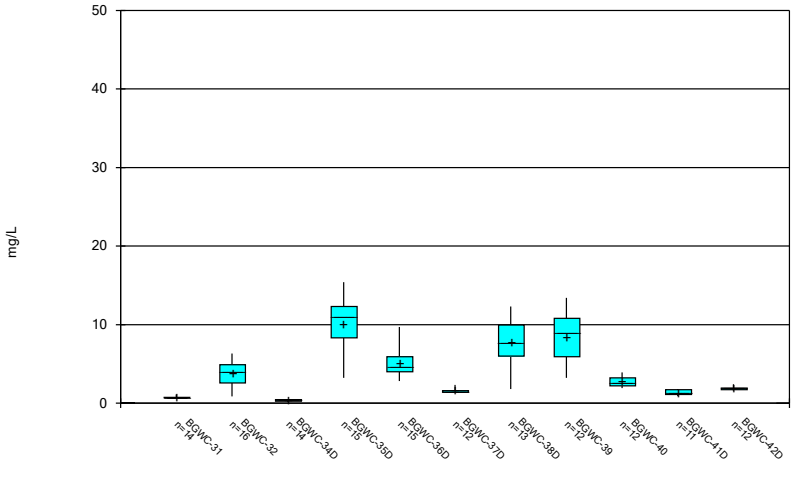


Constituent: Boron Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

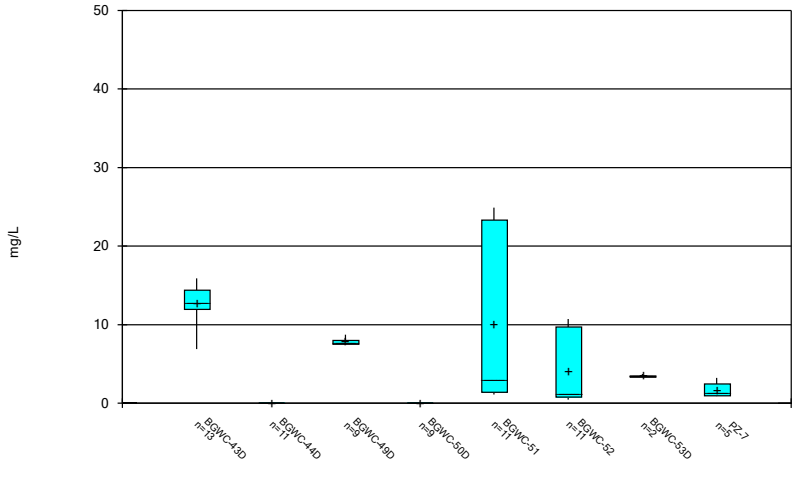


Constituent: Boron Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

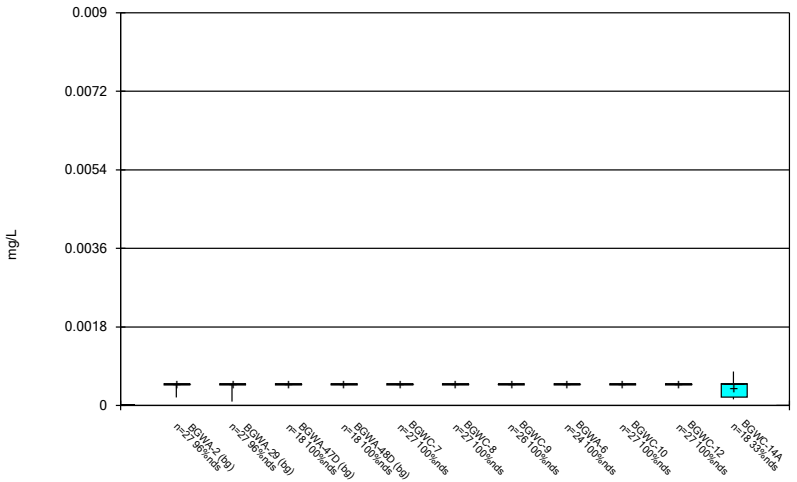


Constituent: Boron Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

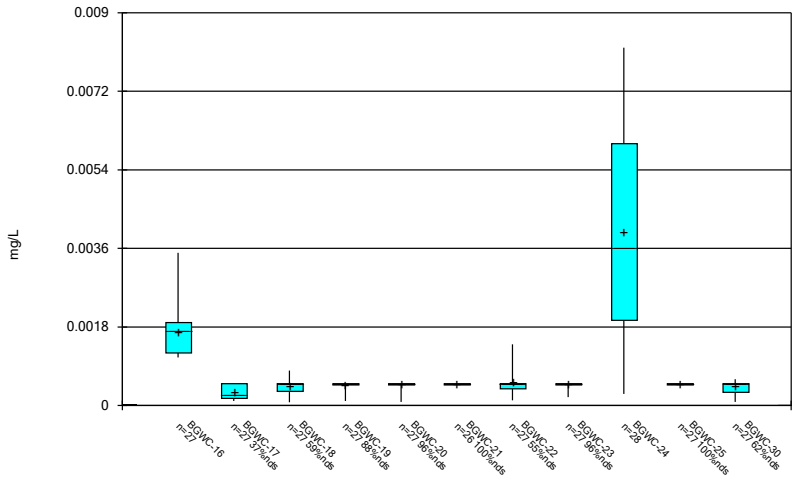


Constituent: Cadmium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

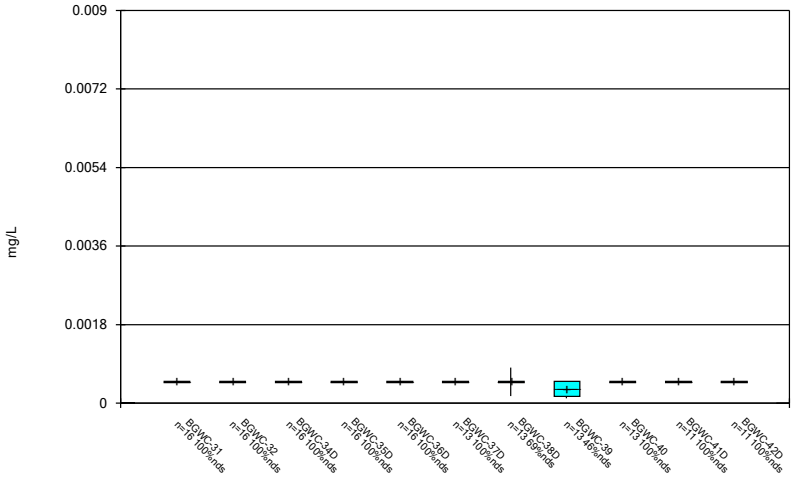


Constituent: Cadmium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

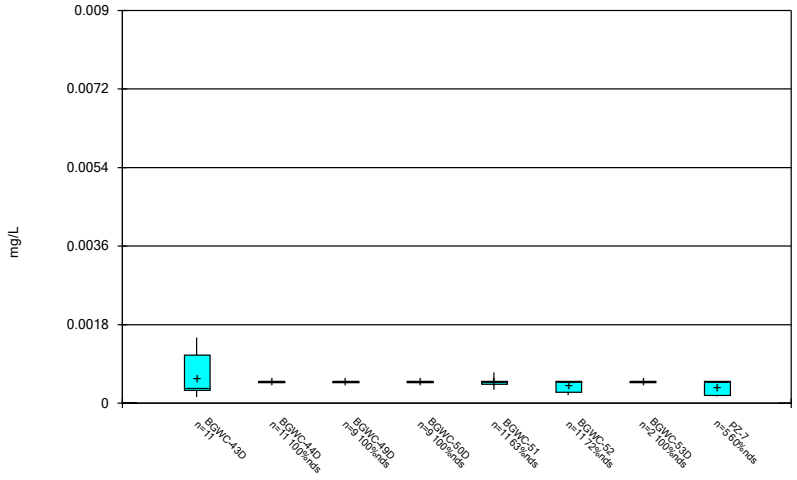


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

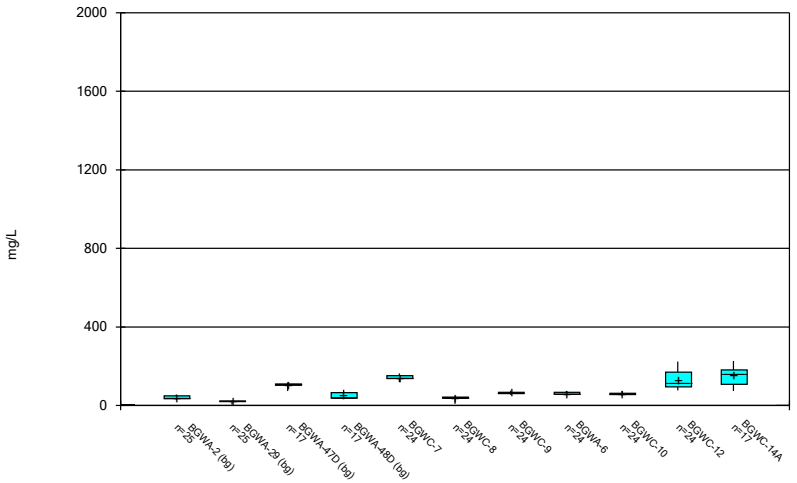


Constituent: Cadmium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

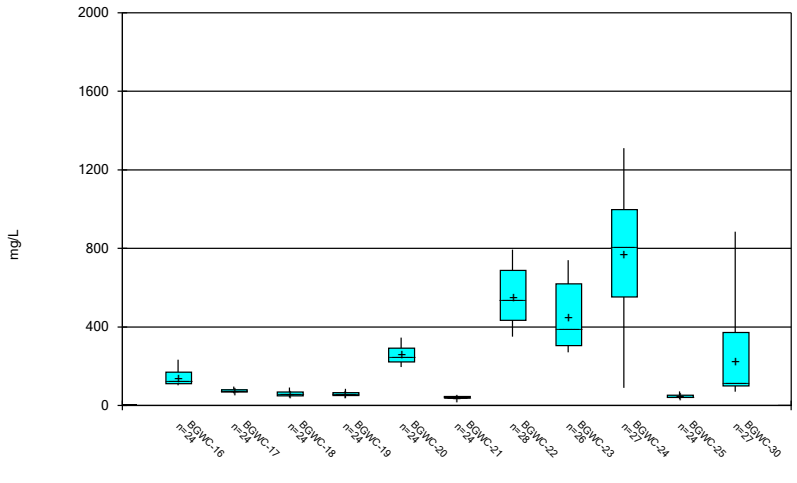


Constituent: Calcium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

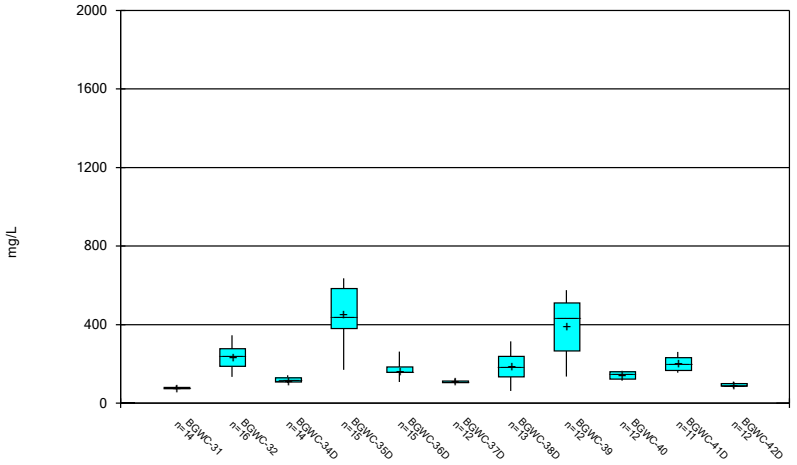


Constituent: Calcium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

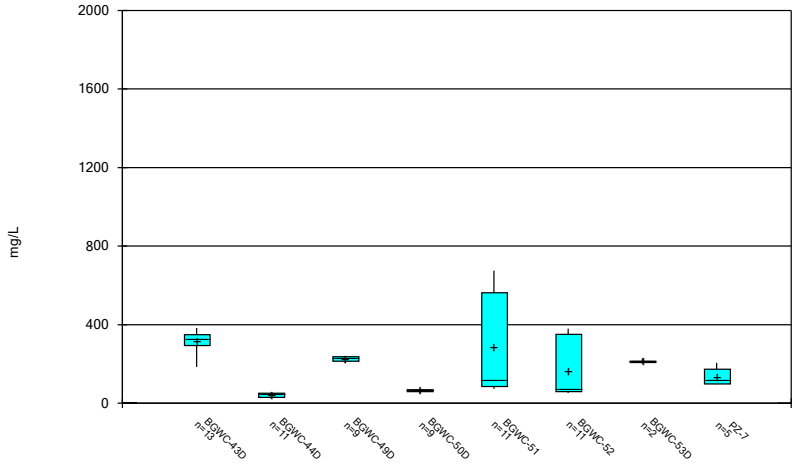


Constituent: Calcium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

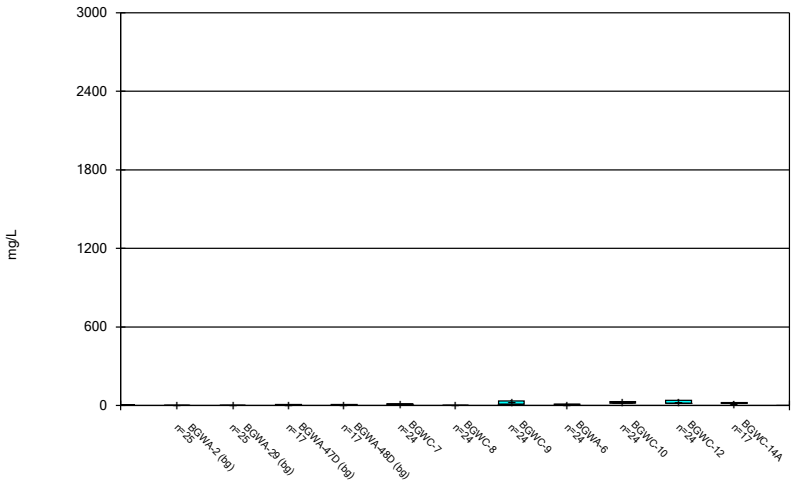


Constituent: Calcium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

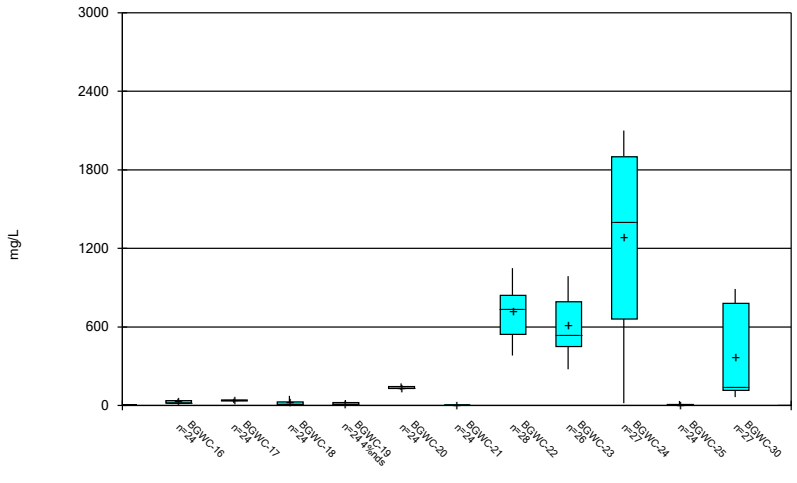


Constituent: Chloride Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

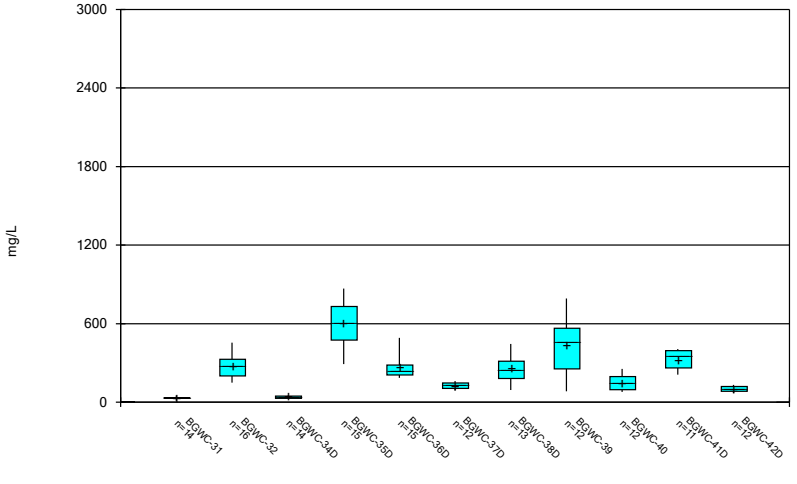


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

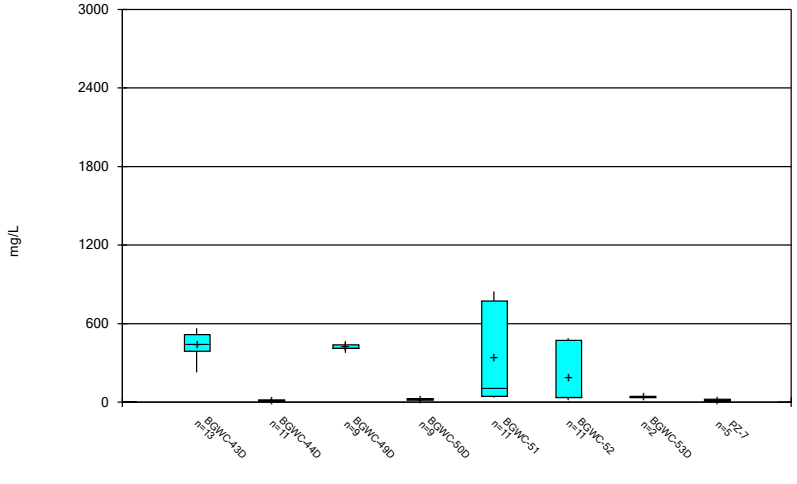


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

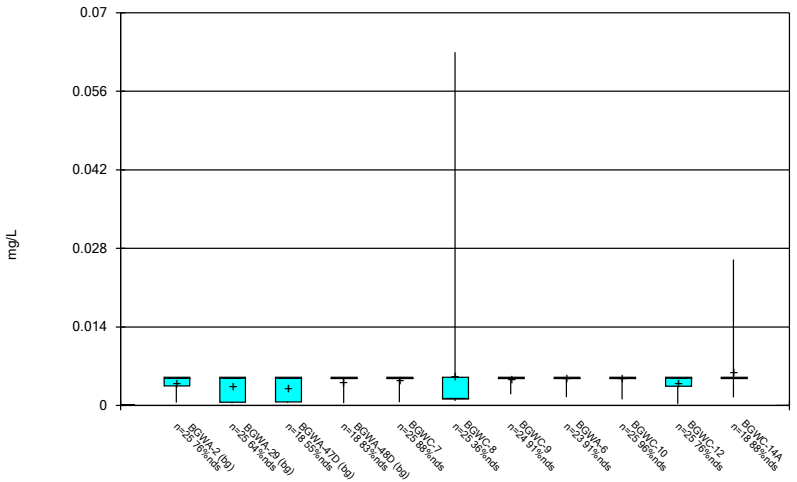


Constituent: Chloride Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

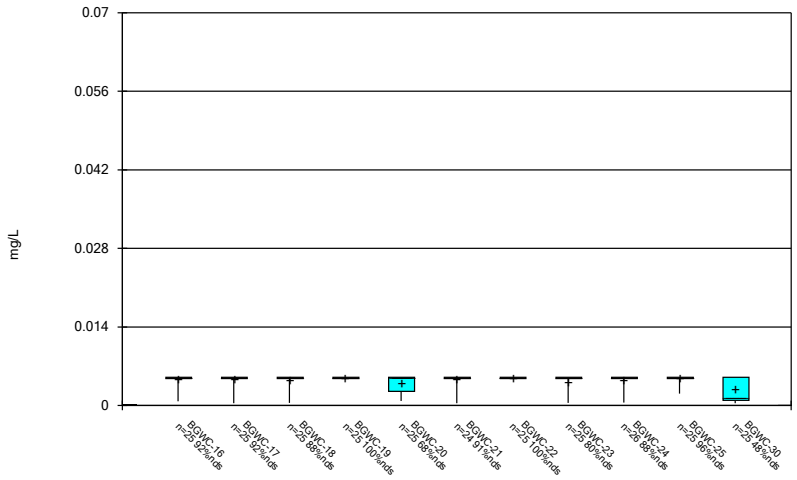


Constituent: Chromium Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

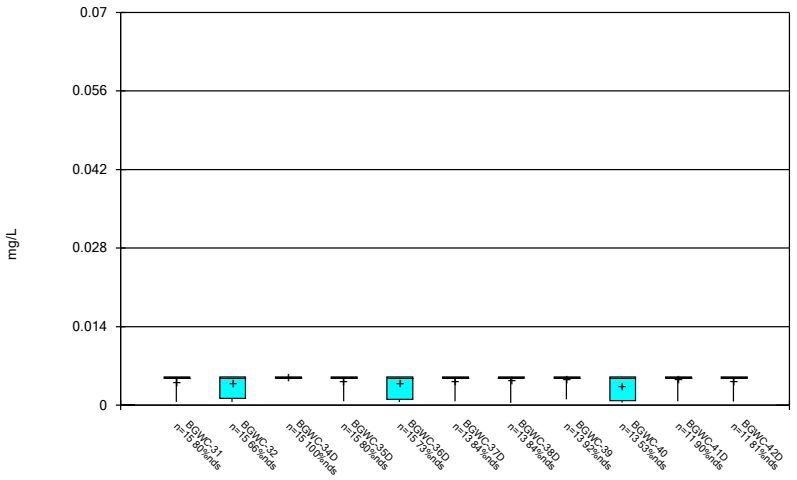


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

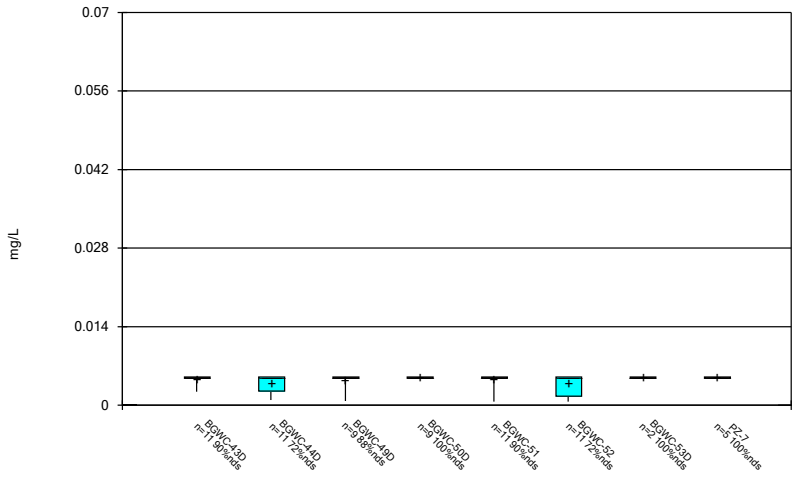


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

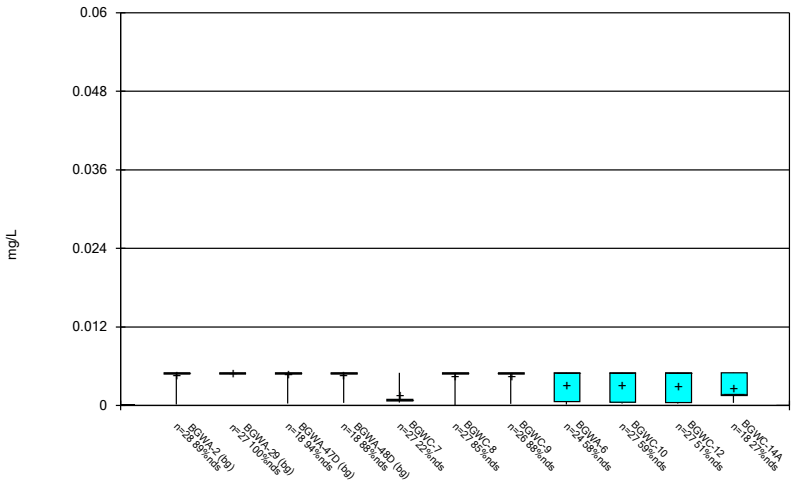


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

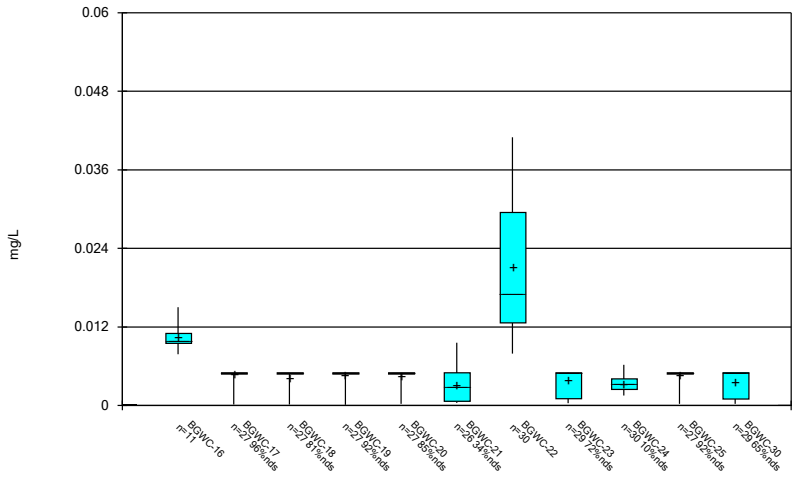


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

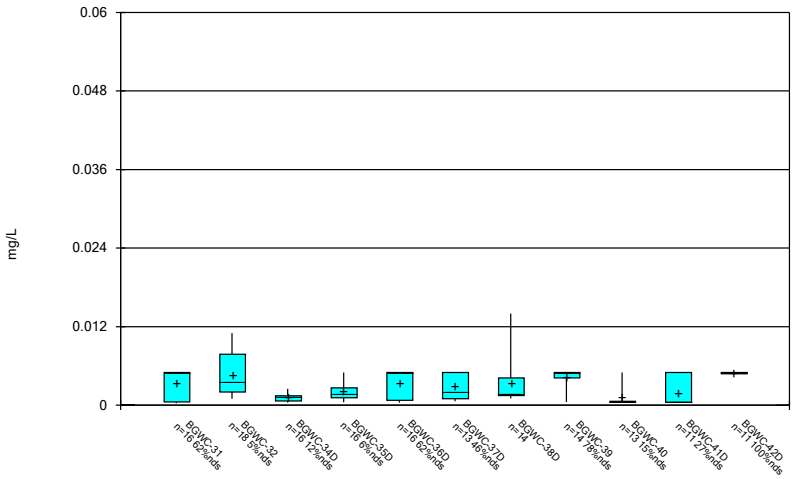


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

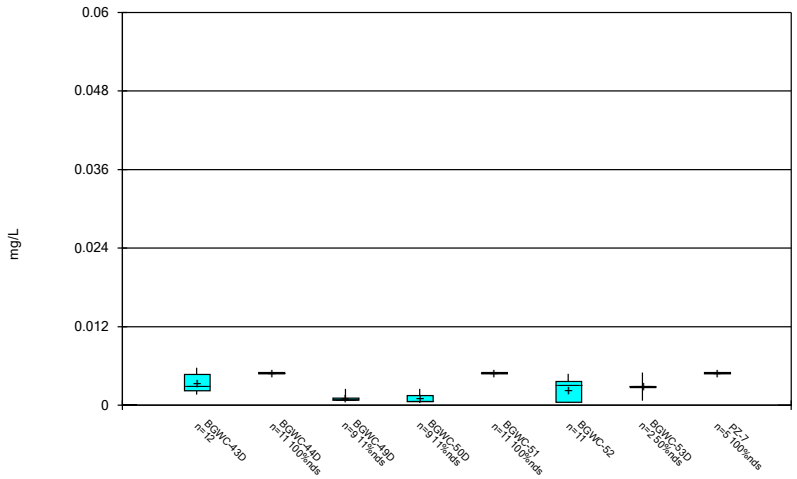


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

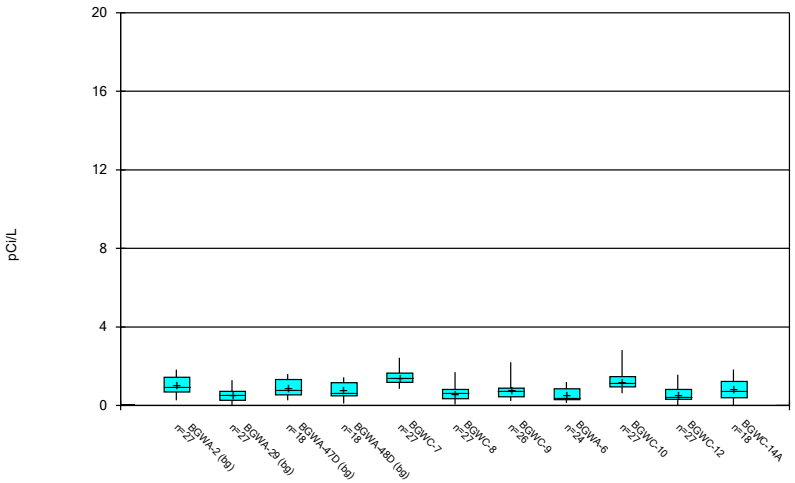


Constituent: Cobalt Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

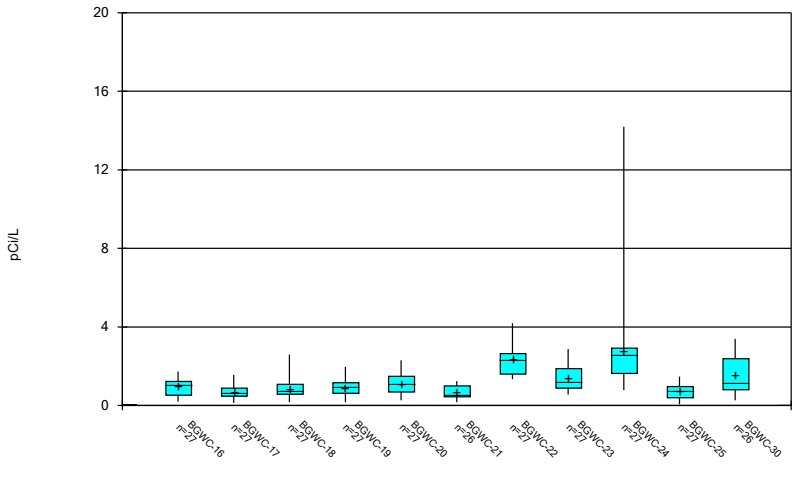


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

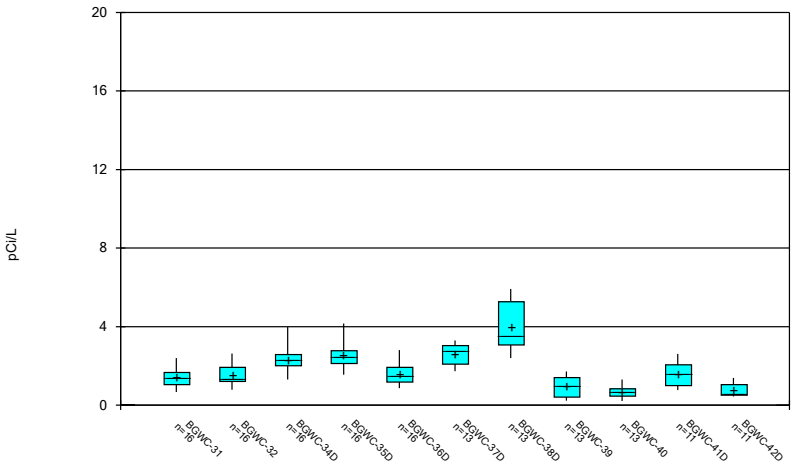


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

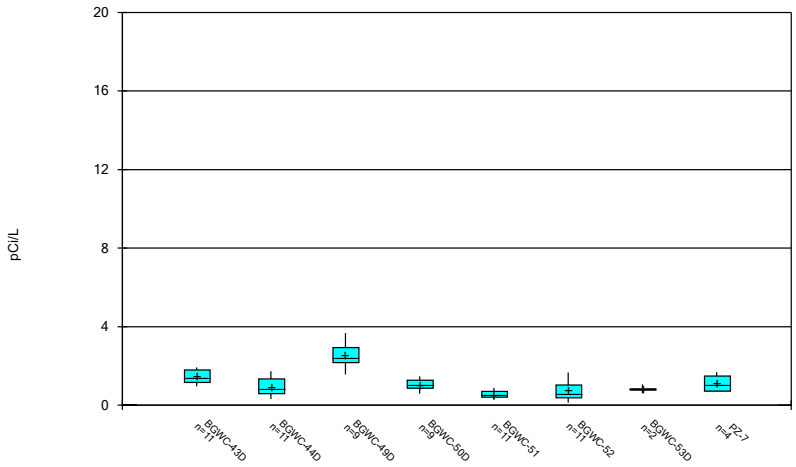


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Box & Whiskers Plot

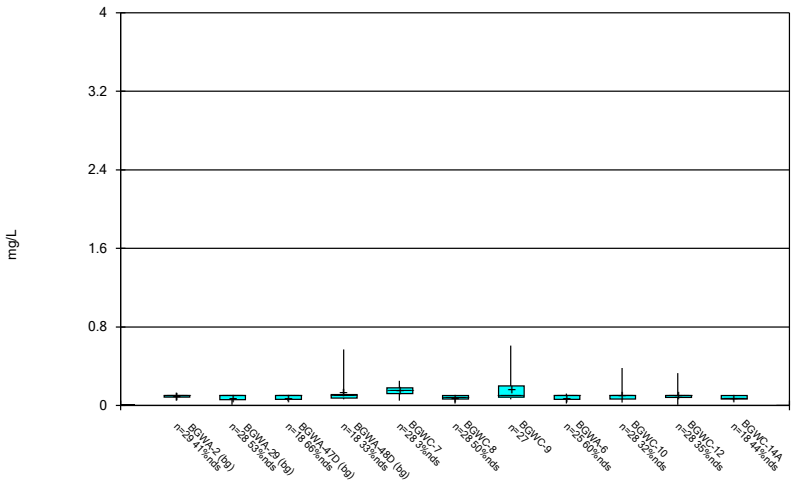


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Box & Whiskers Plot

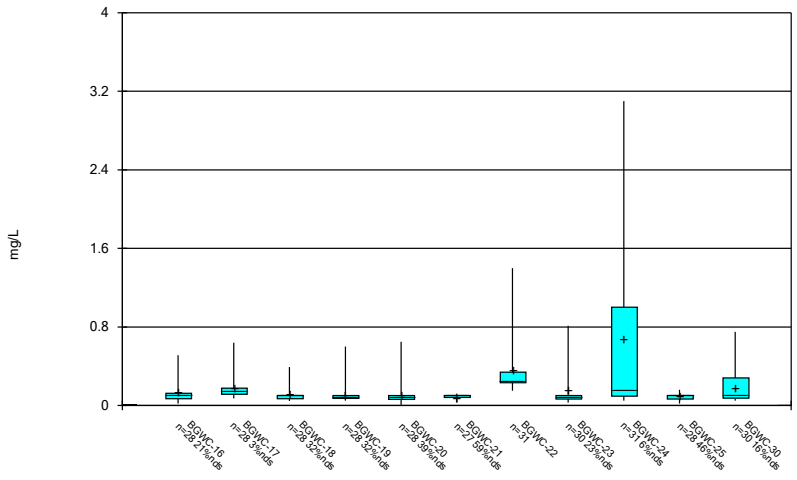


Constituent: Fluoride Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

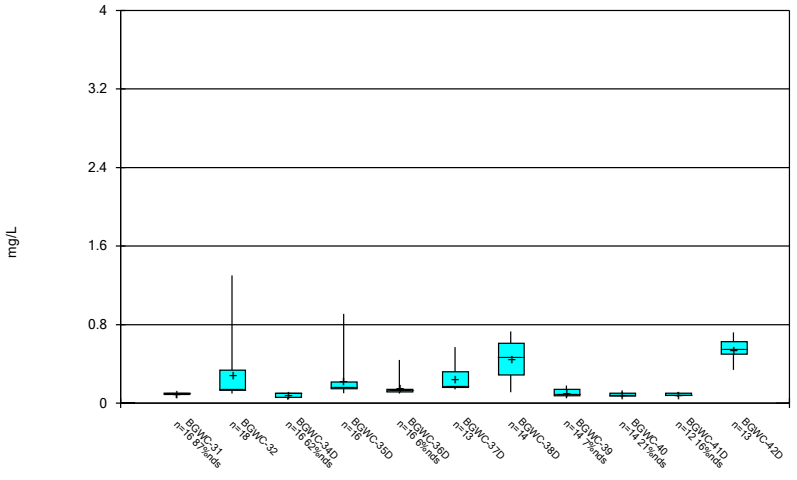


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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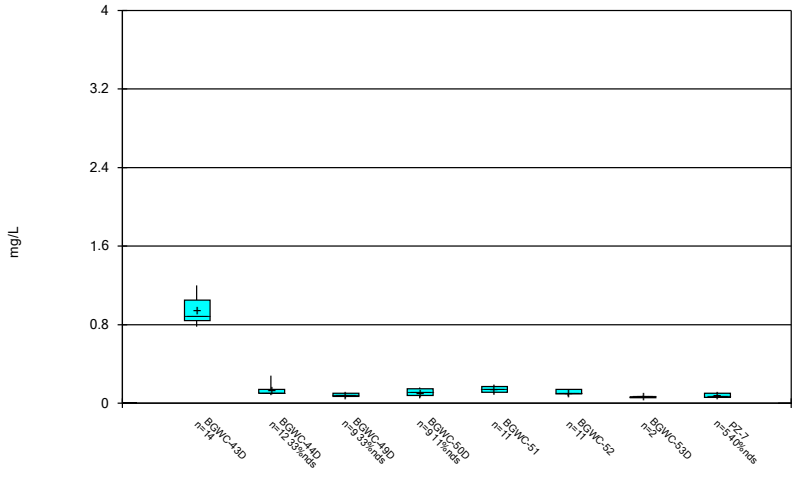


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Box & Whiskers Plot

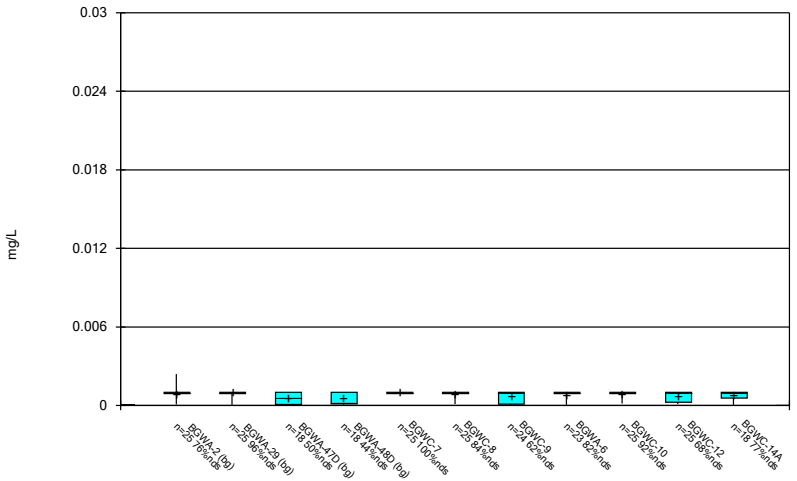


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

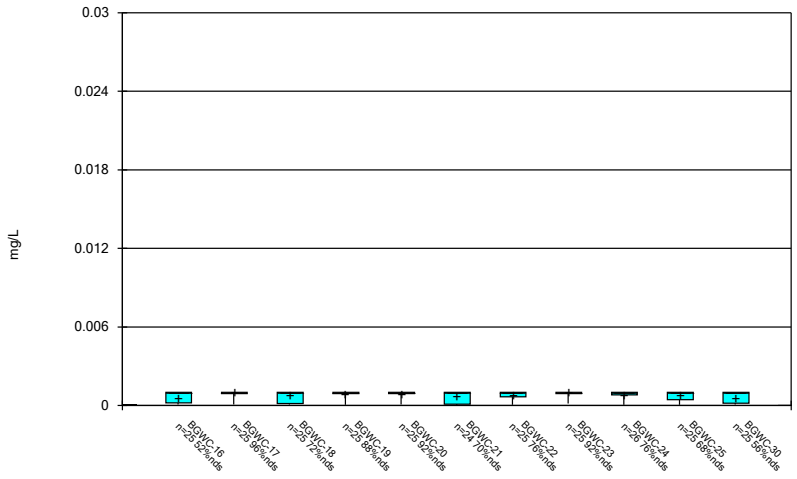


Constituent: Lead Analysis Run 6/3/2025 11:35 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

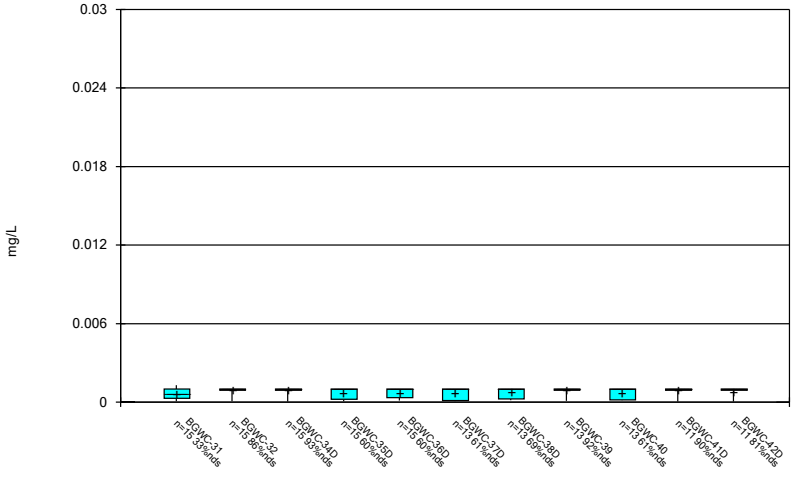


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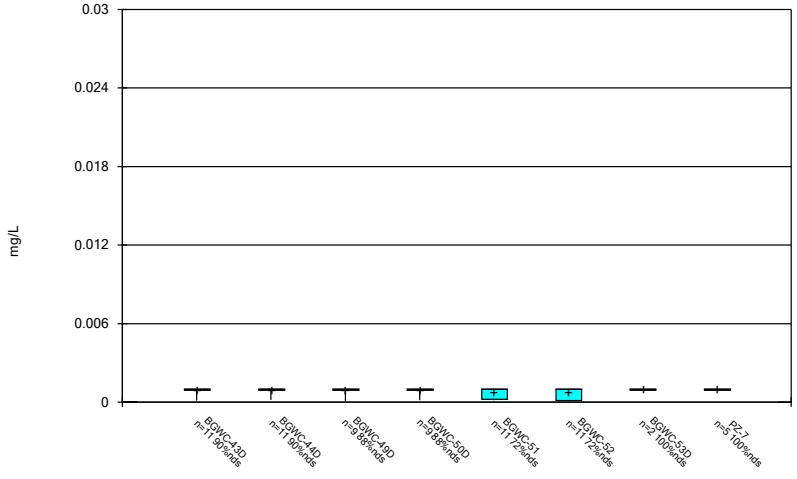


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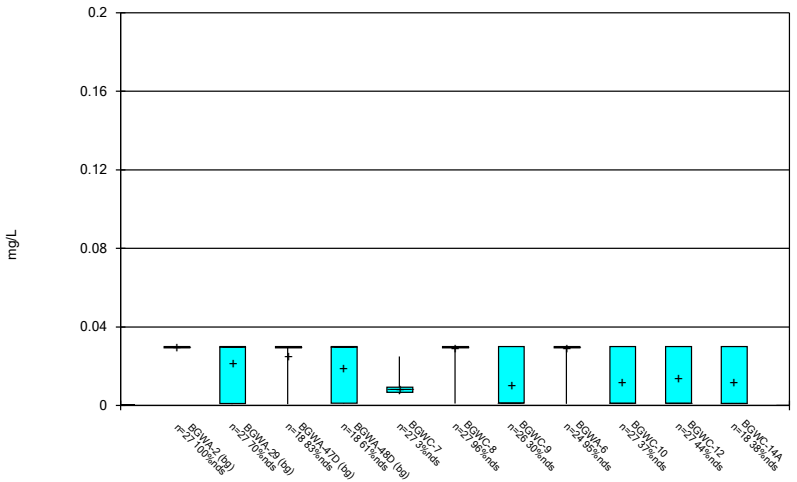


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Box & Whiskers Plot

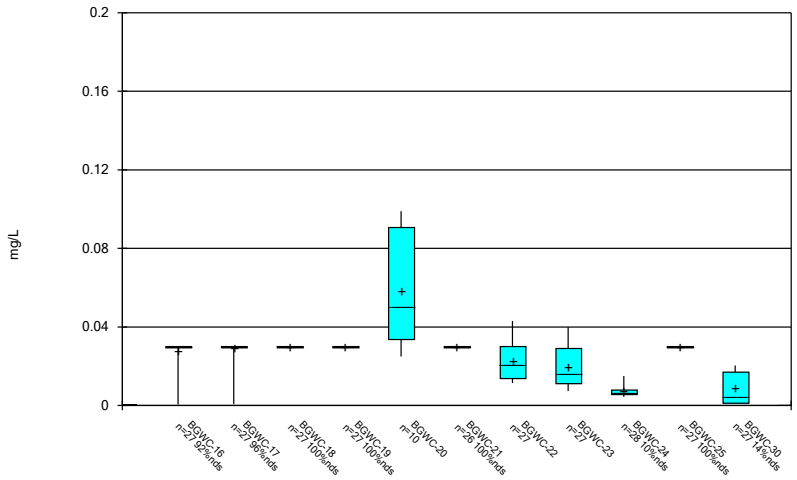


Constituent: Lithium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

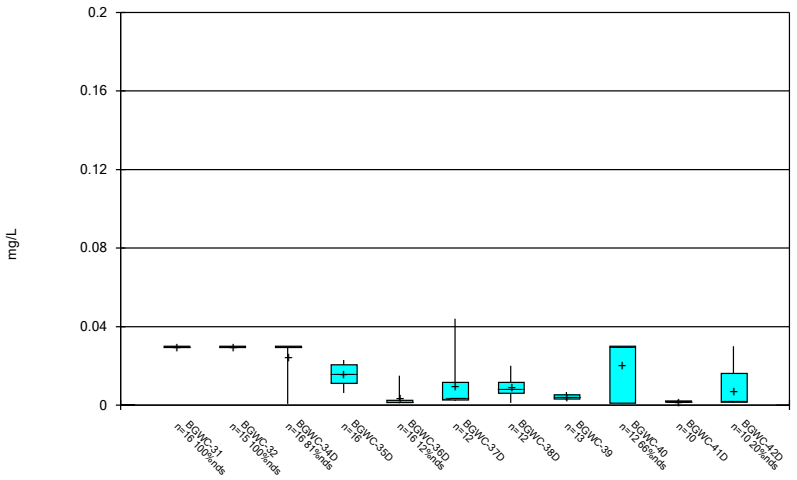


Constituent: Lithium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

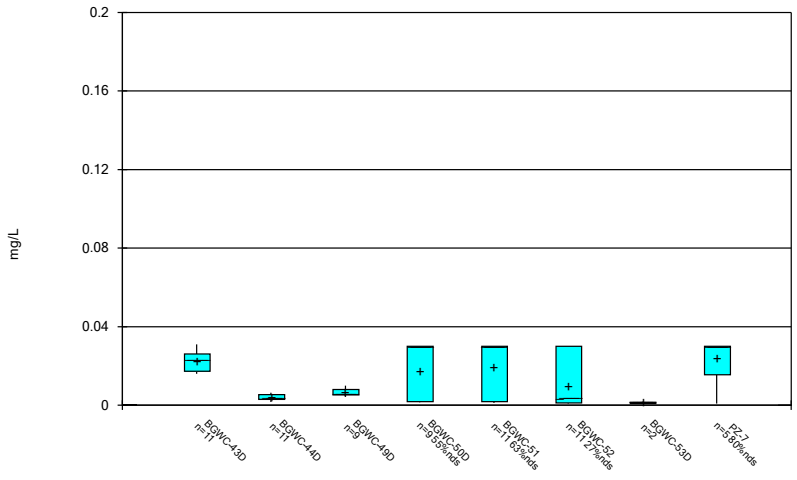


Constituent: Lithium Analysis Run 6/3/2025 11:36 AM

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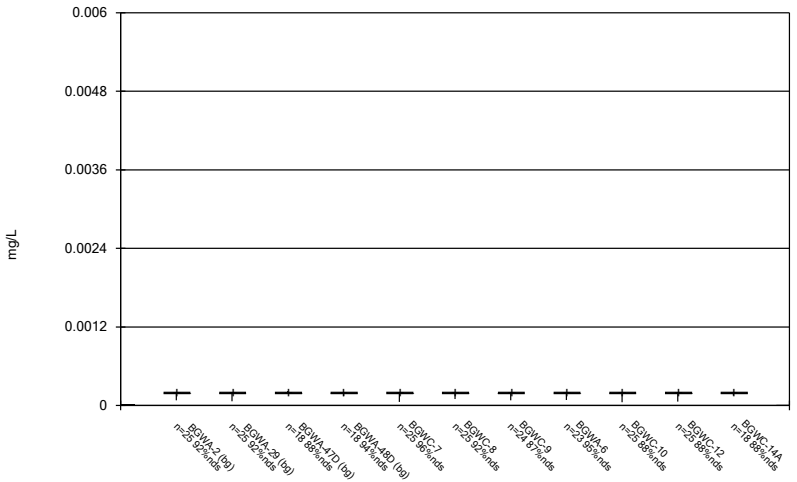


Constituent: Lithium Analysis Run 6/3/2025 11:36 AM

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Box & Whiskers Plot

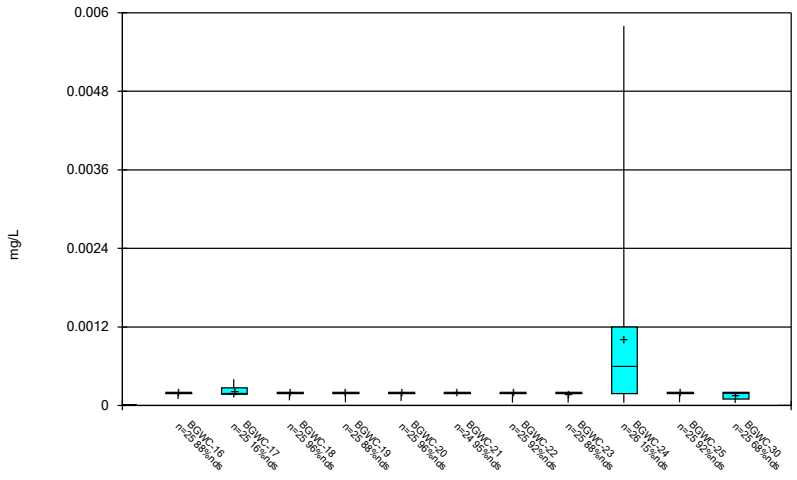


Constituent: Mercury Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

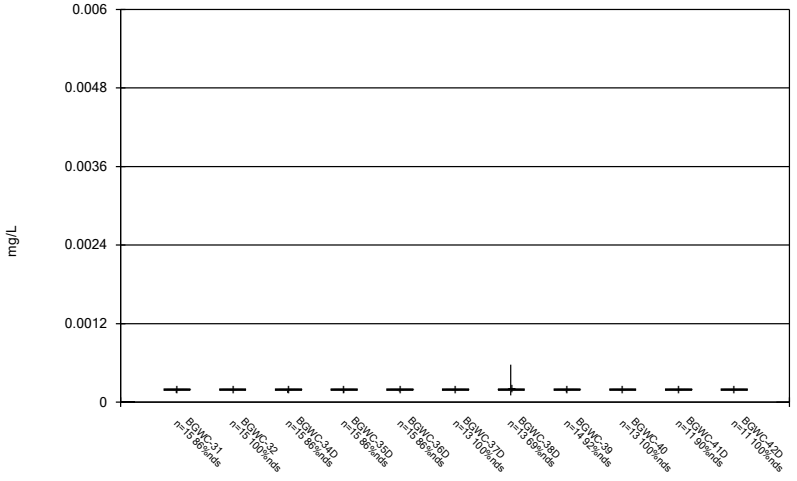


Constituent: Mercury Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

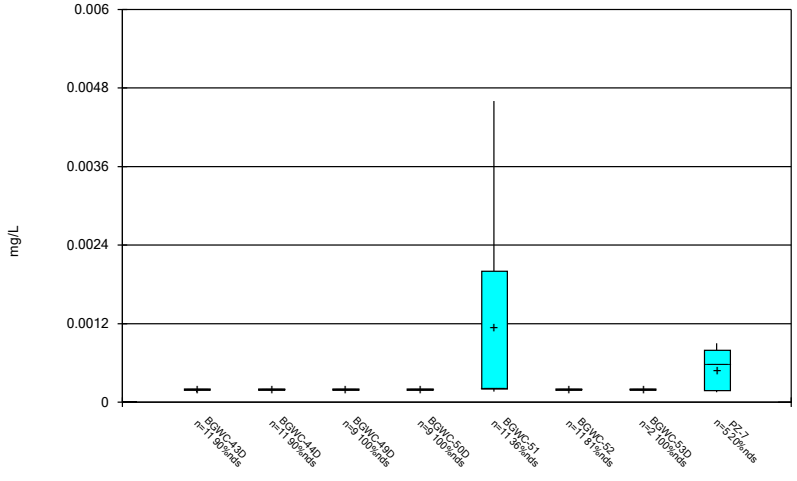


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

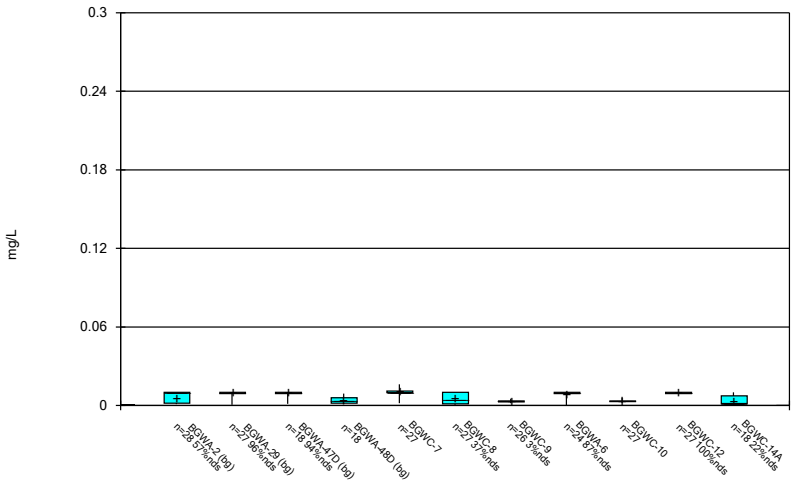


Constituent: Mercury Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

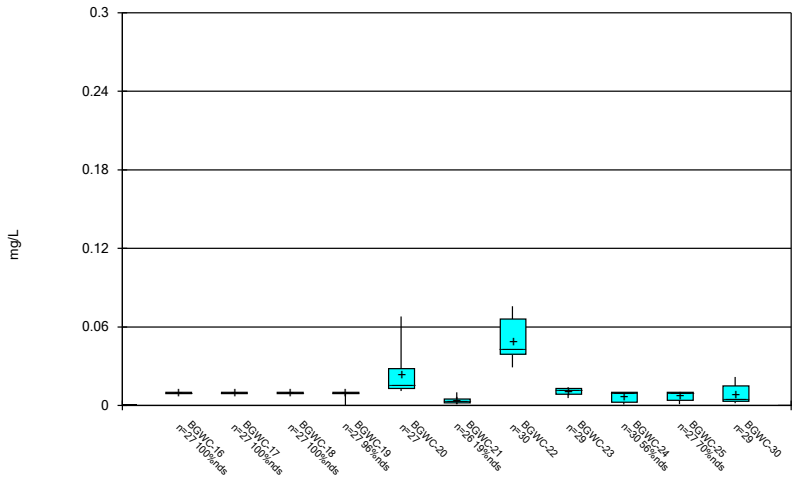


Constituent: Molybdenum Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

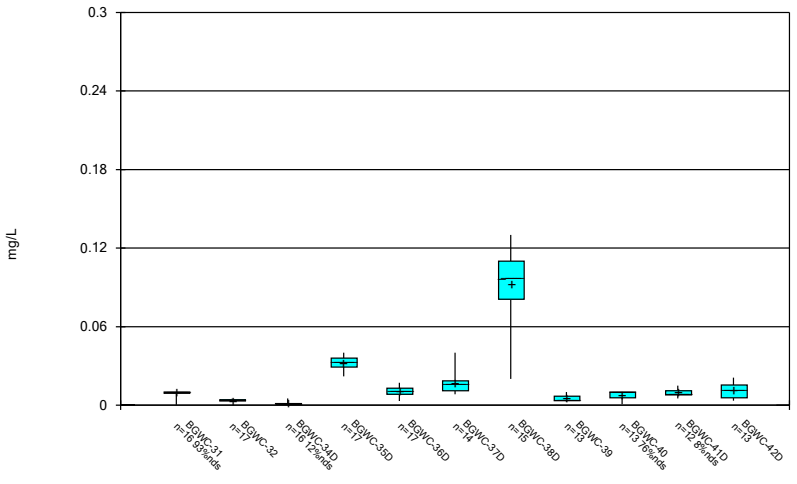


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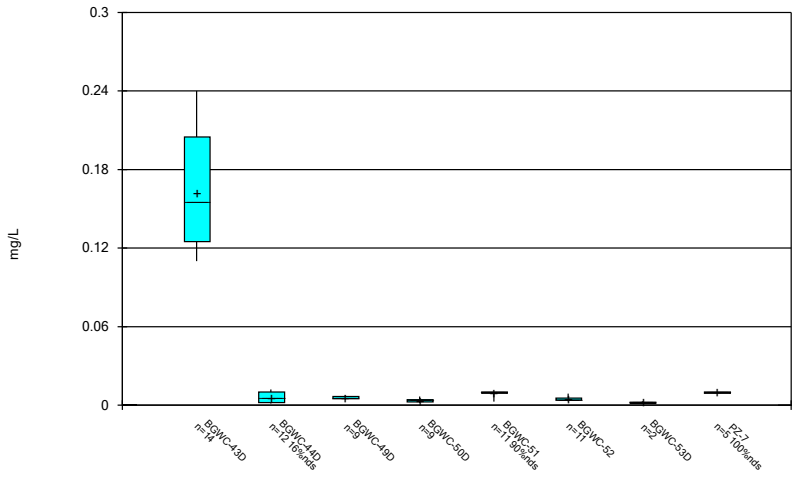


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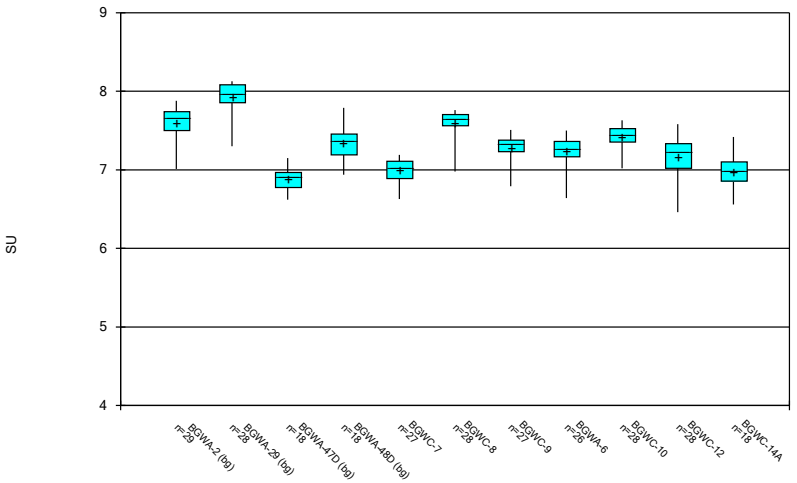


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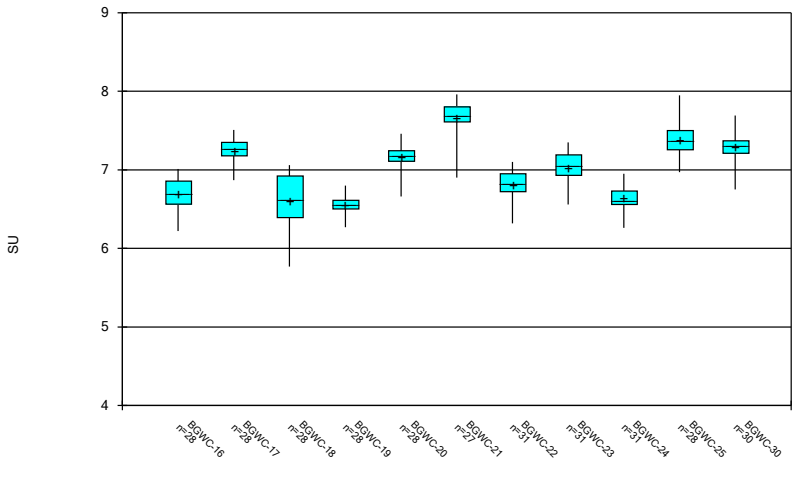


Constituent: pH, Field Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

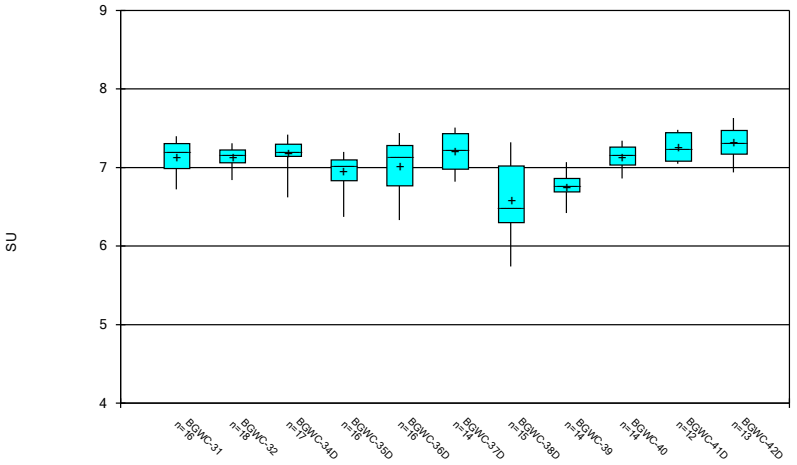


Constituent: pH, Field Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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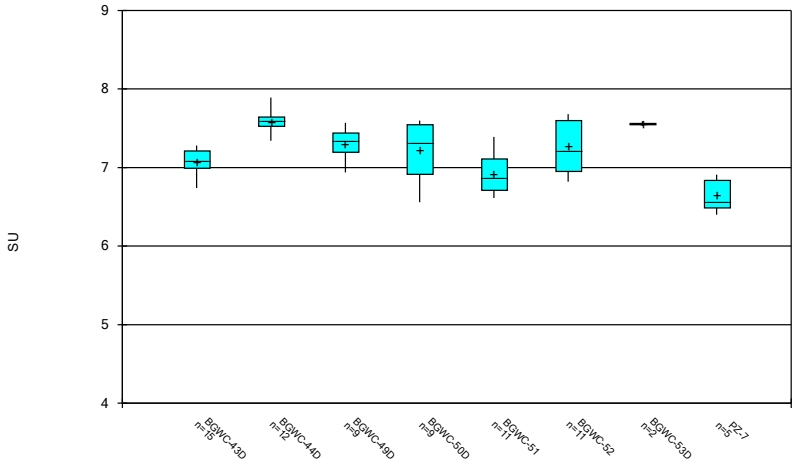


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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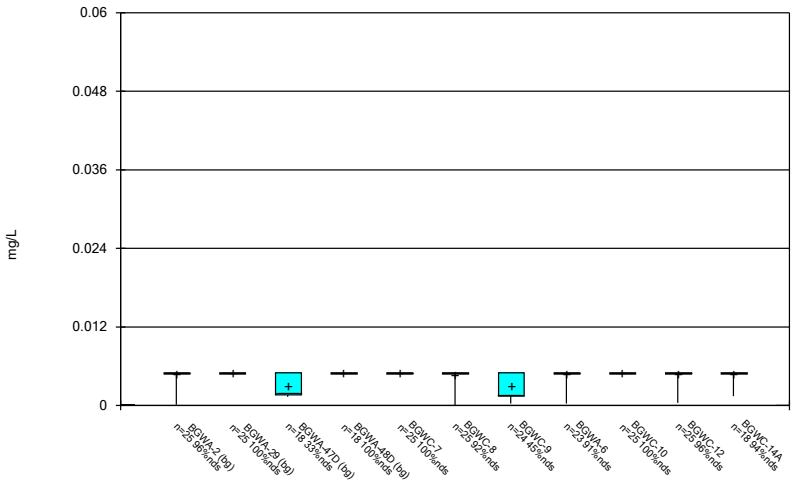


Constituent: pH, Field Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

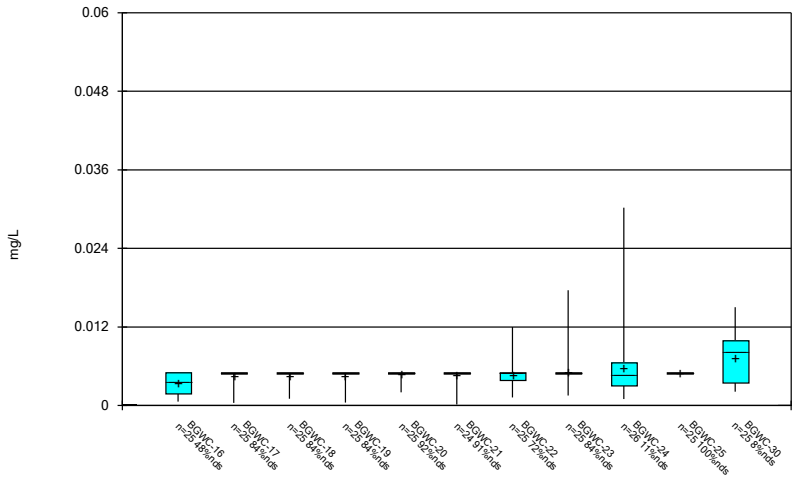


Constituent: Selenium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

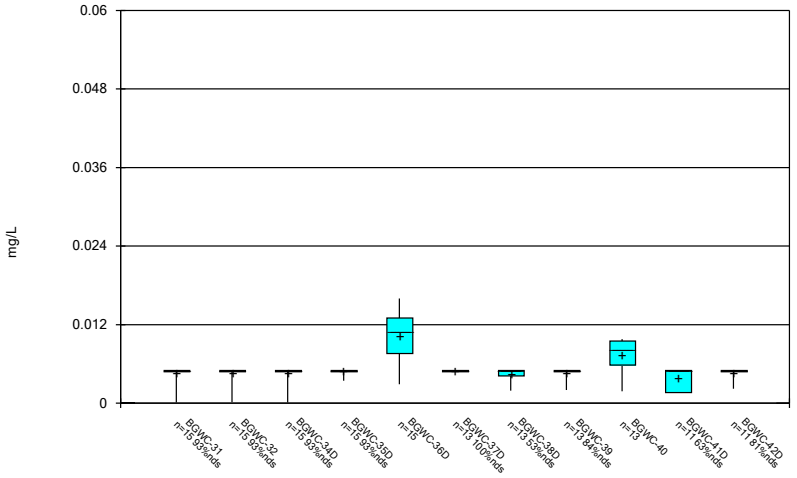


Constituent: Selenium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

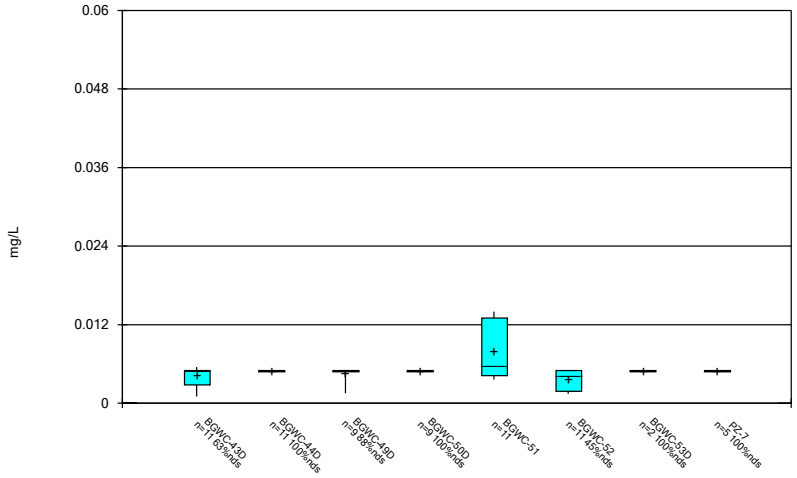


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Box & Whiskers Plot

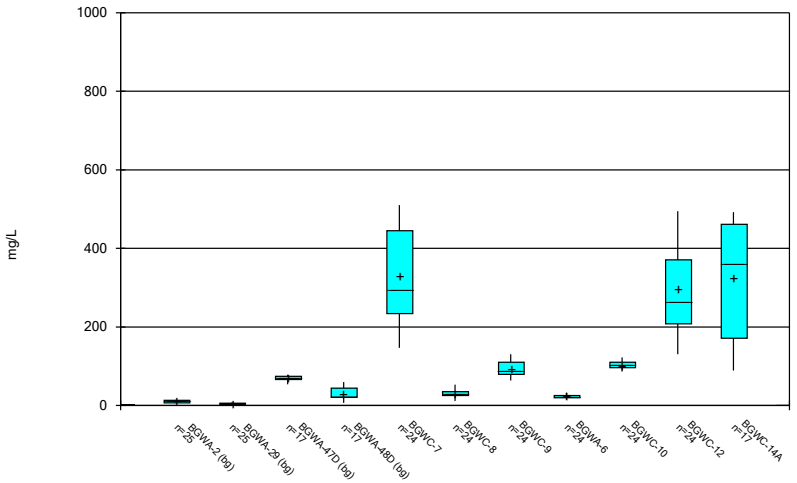


Constituent: Selenium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

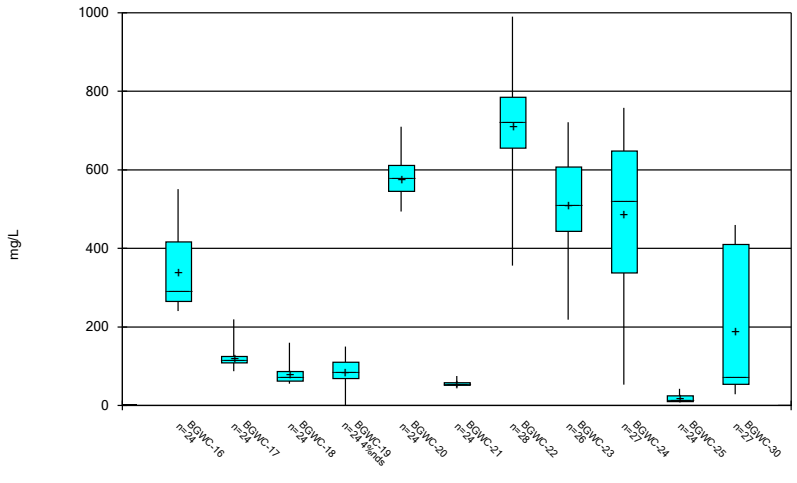


Constituent: Sulfate Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

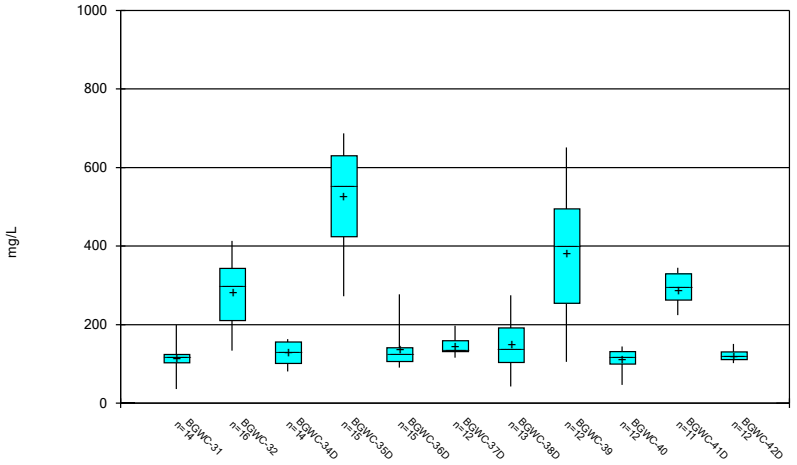


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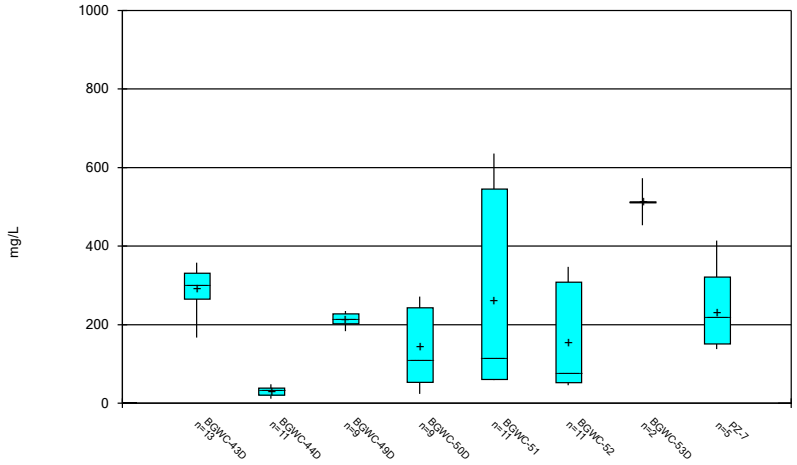


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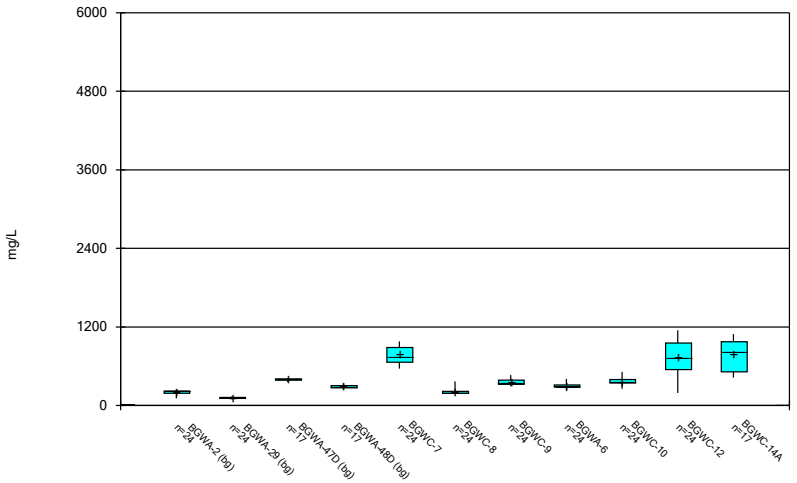


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Box & Whiskers Plot

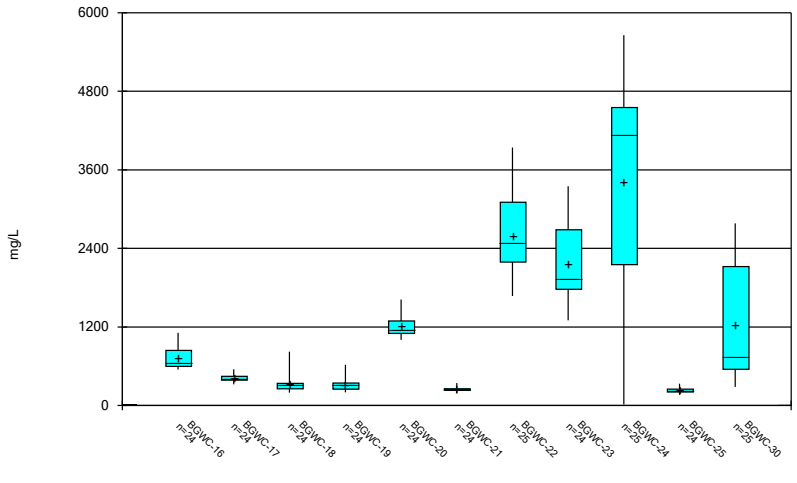


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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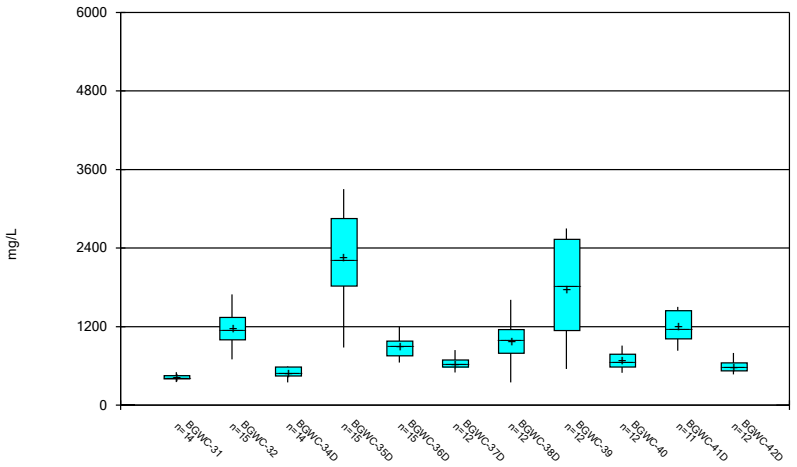


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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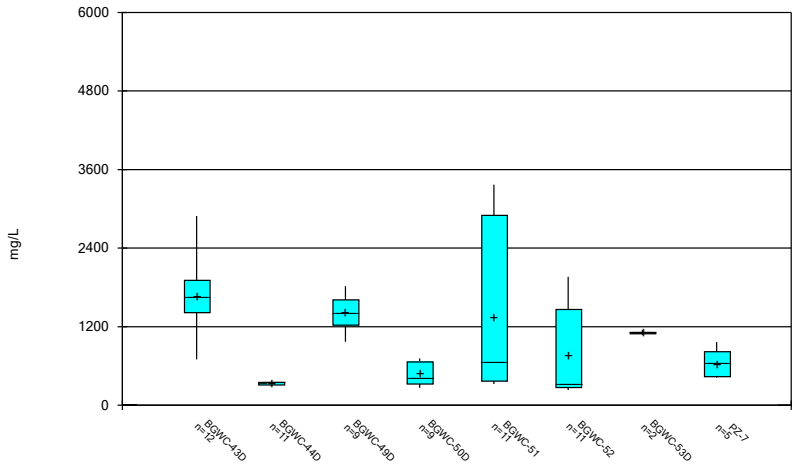


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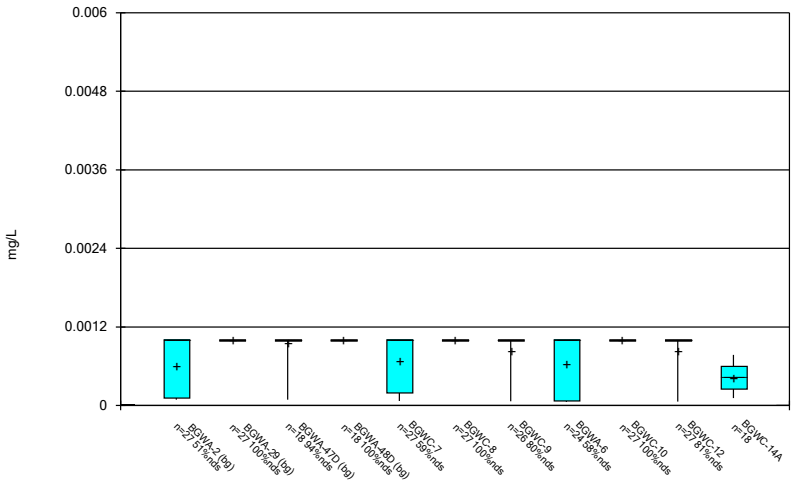


Constituent: TDS Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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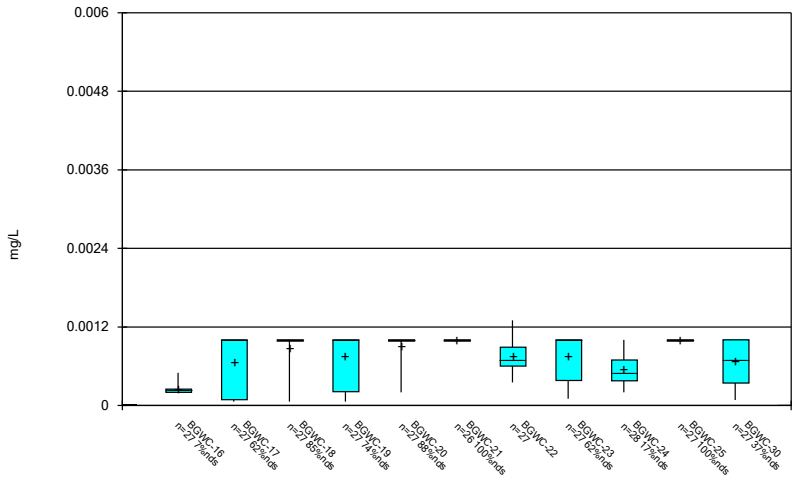


Constituent: Thallium Analysis Run 6/3/2025 11:36 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Box & Whiskers Plot

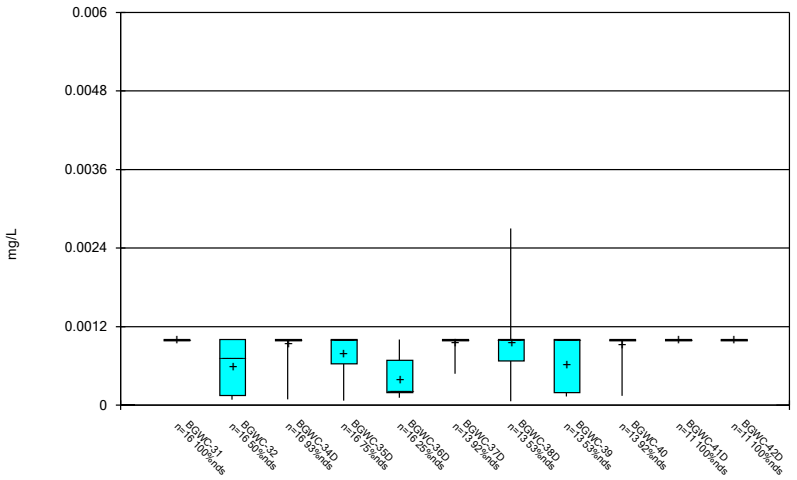


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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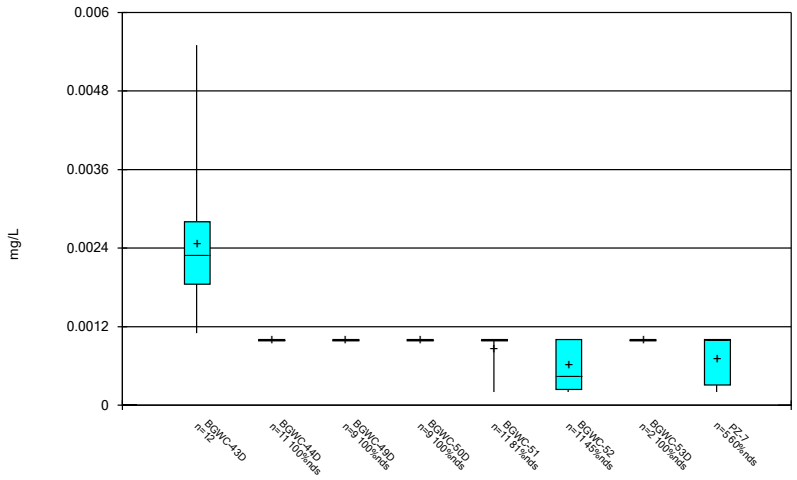


Constituent: Thallium Analysis Run 6/3/2025 11:36 AM

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 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-8	0.04	n/a	2/5/2025	0.029J	No	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-21	0.04	n/a	2/10/2025	0.025J	No	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-8	117	n/a	2/5/2025	44.5	No	84	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	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	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-17	117	n/a	2/7/2025	86.6	No	84	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	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	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-21	117	n/a	2/10/2025	45.6	No	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**
Calcium (mg/L)	BGWC-25	117	n/a	2/10/2025	66	No	84	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	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	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	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

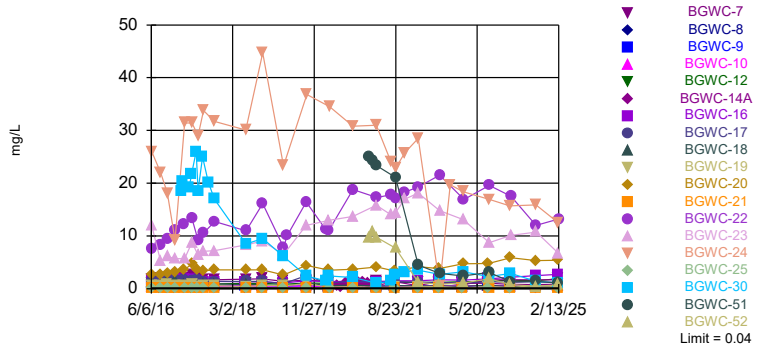
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-20	0.57	n/a	2/6/2025	0.077J	No	93	n/a	n/a	48.39	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	2/10/2025	0.078J	No	93	n/a	n/a	48.39	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

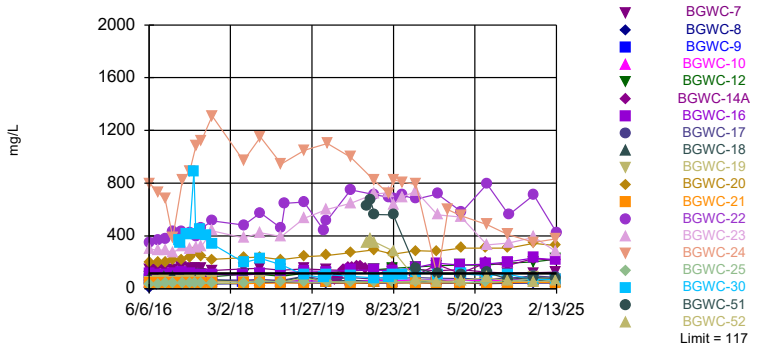
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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

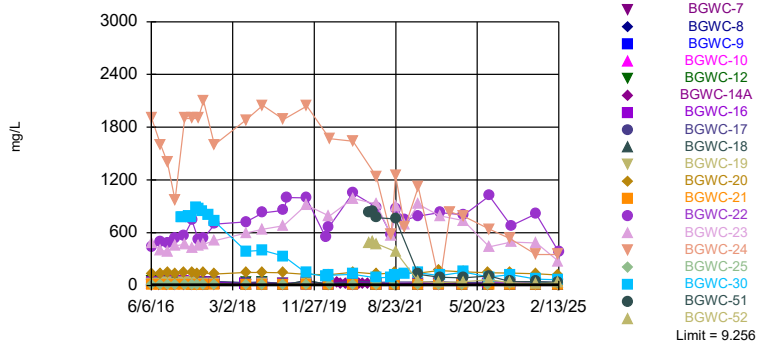
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Hollow symbols indicate censored values.

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

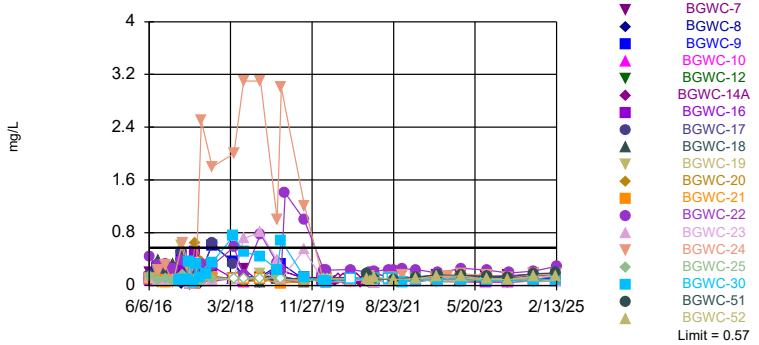
Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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

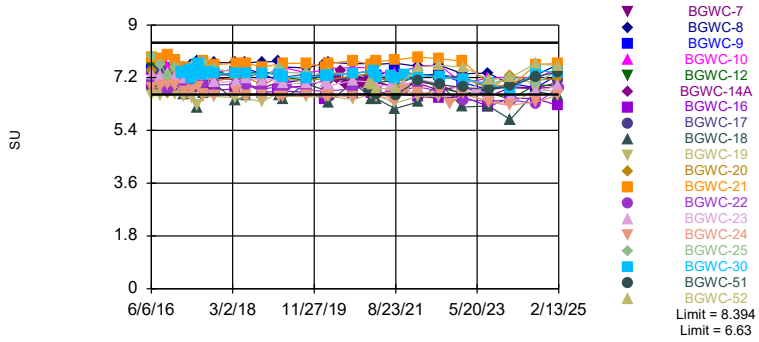
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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

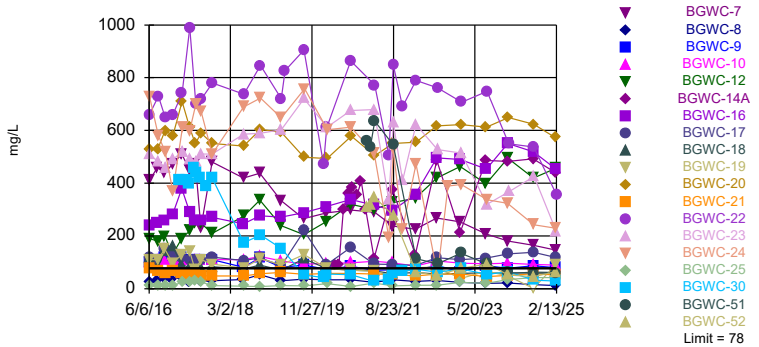
Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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

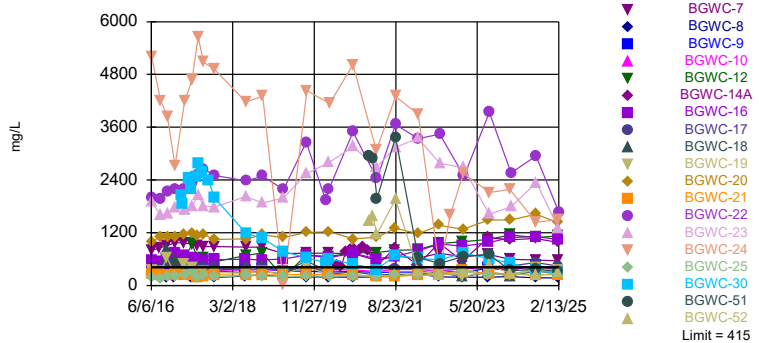
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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									

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

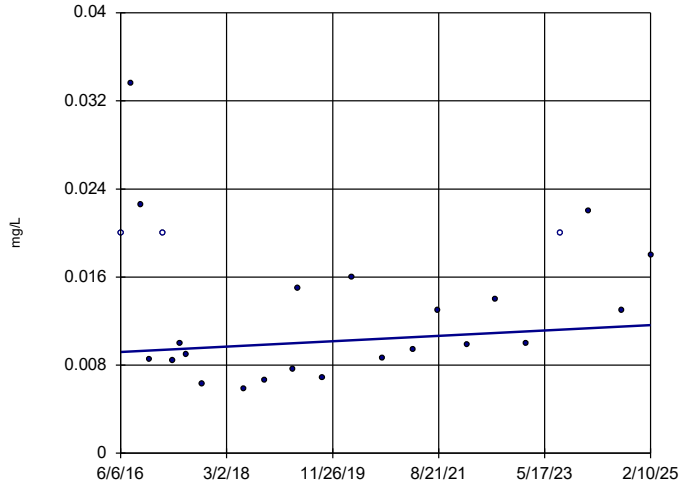
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 11:53 AM

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

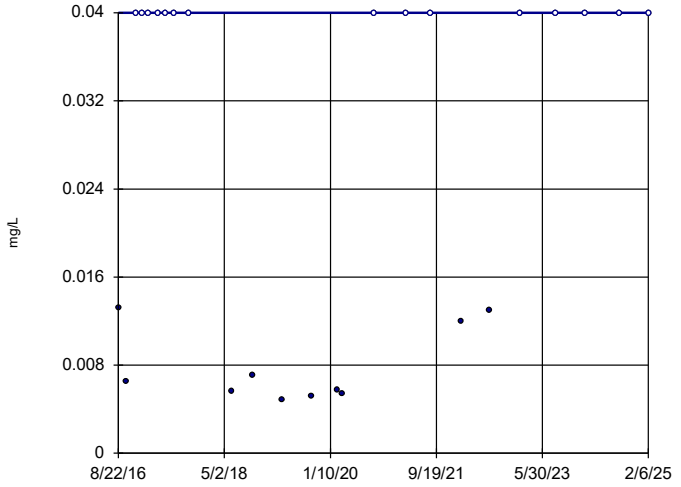
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

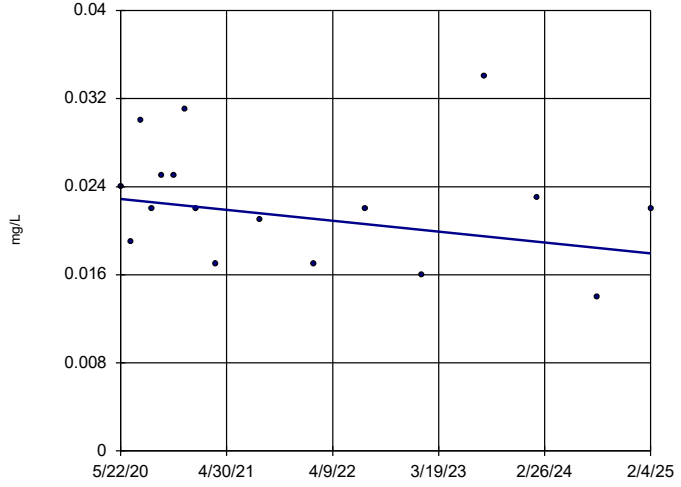
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

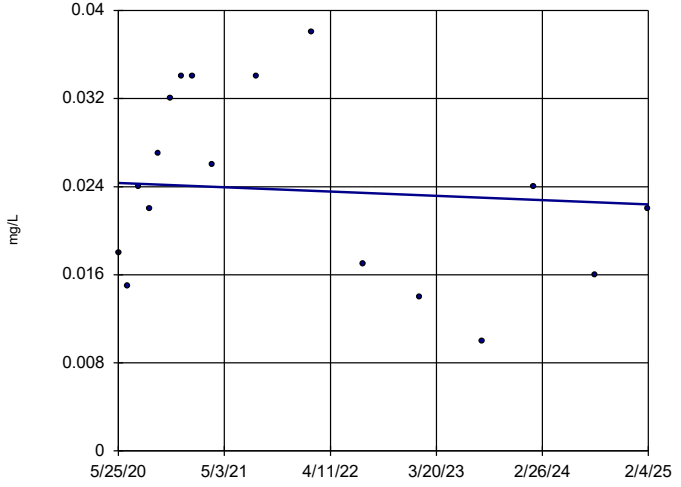
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

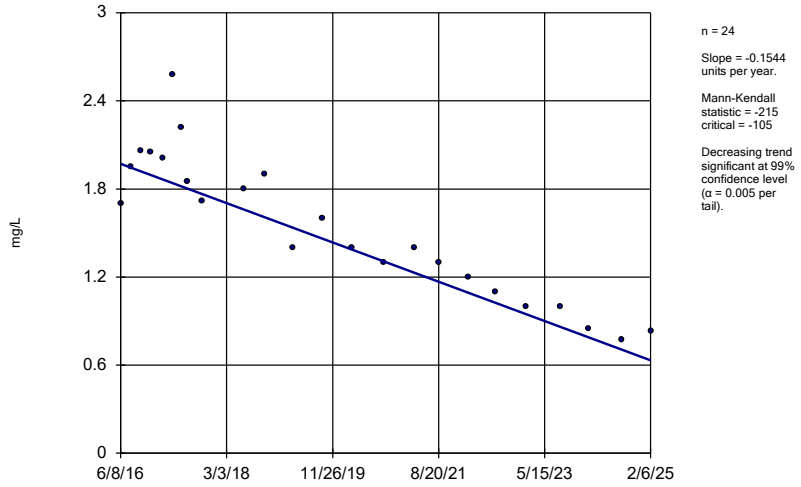
Trend not significant at 99% confidence level (α = 0.005 per tail).

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).

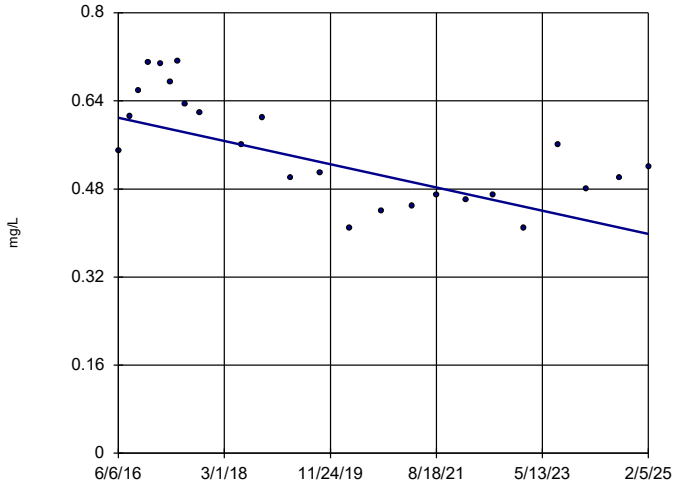
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

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).

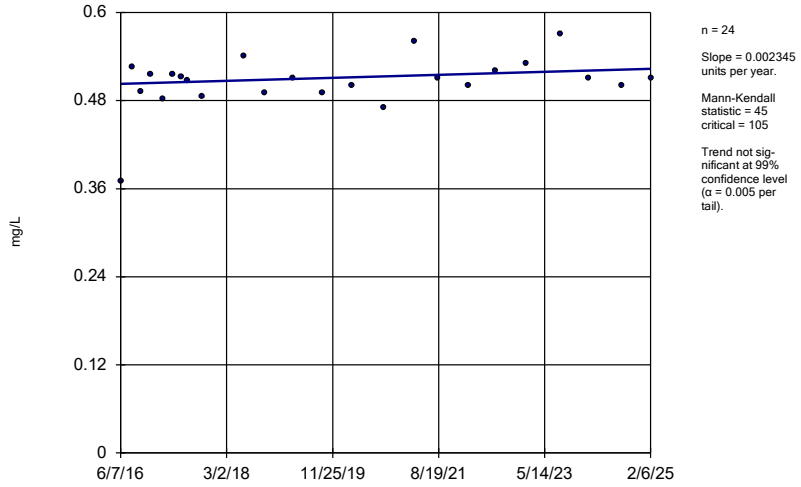
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

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).

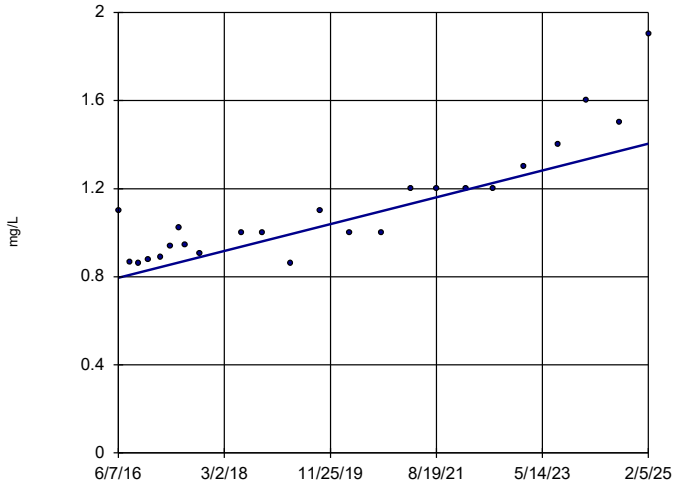
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

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).

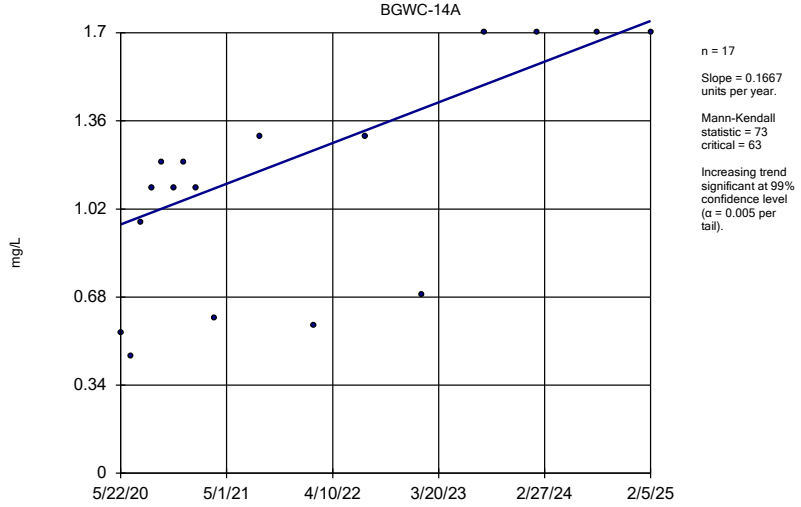
Constituent: Boron Analysis Run 6/3/2025 11:48 AM View: Appendix III Trend Tests

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

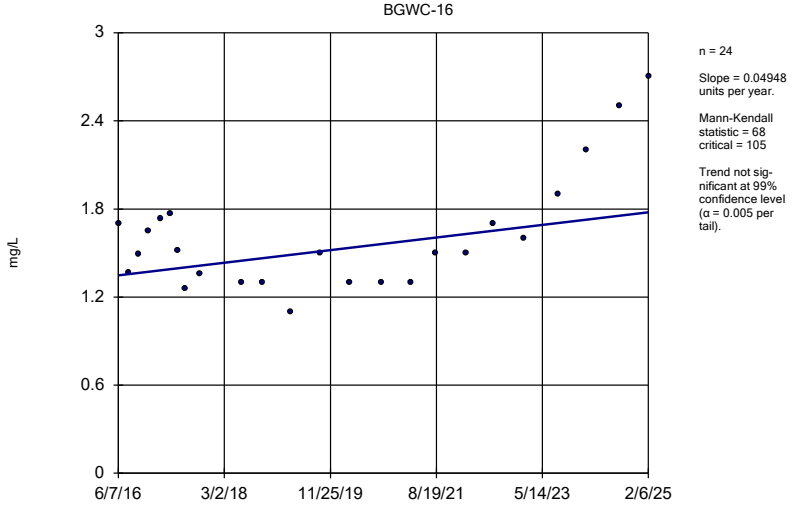
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

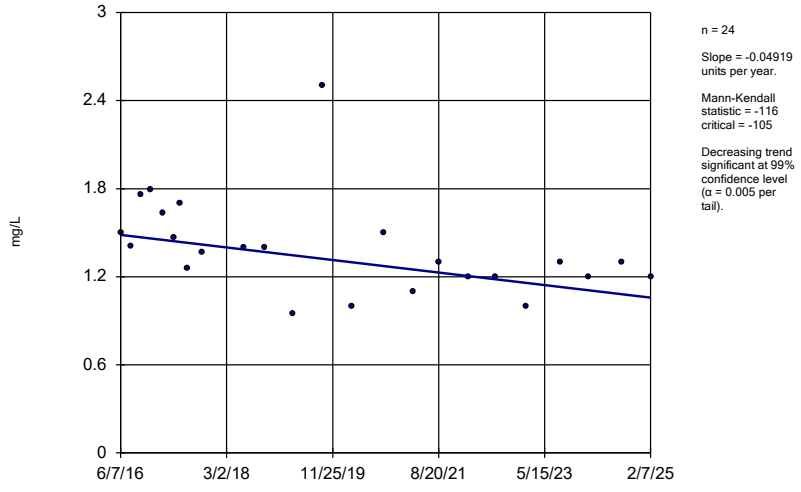
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

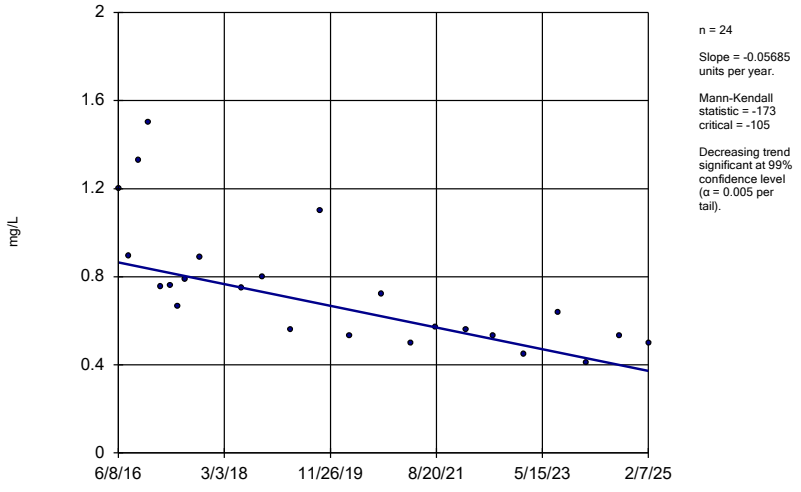
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

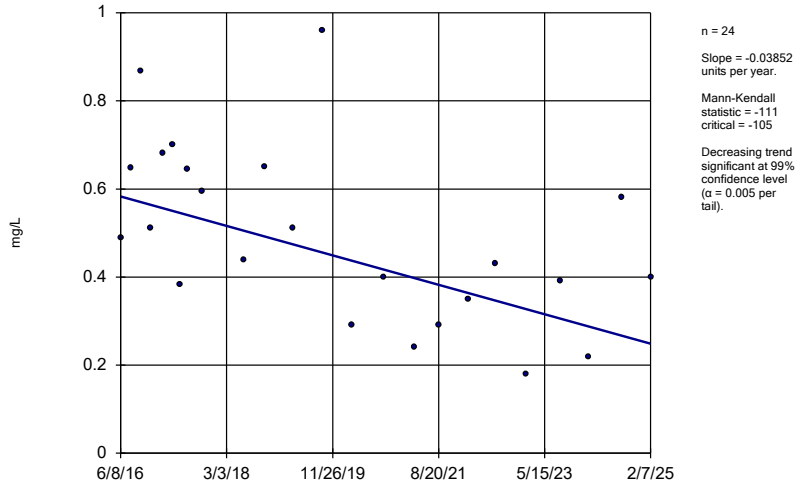
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

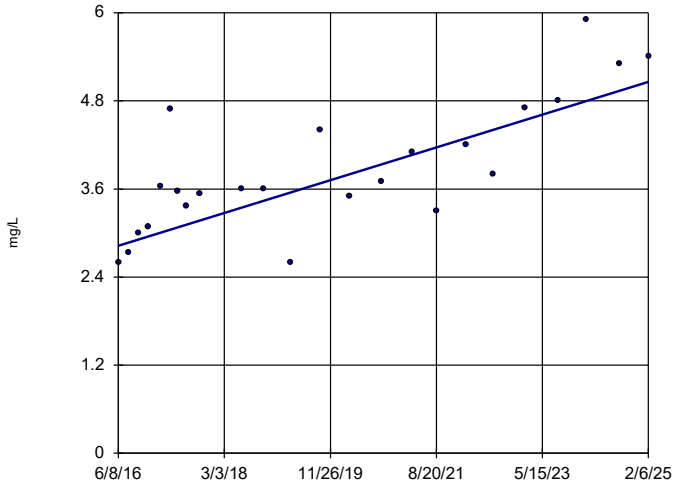
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

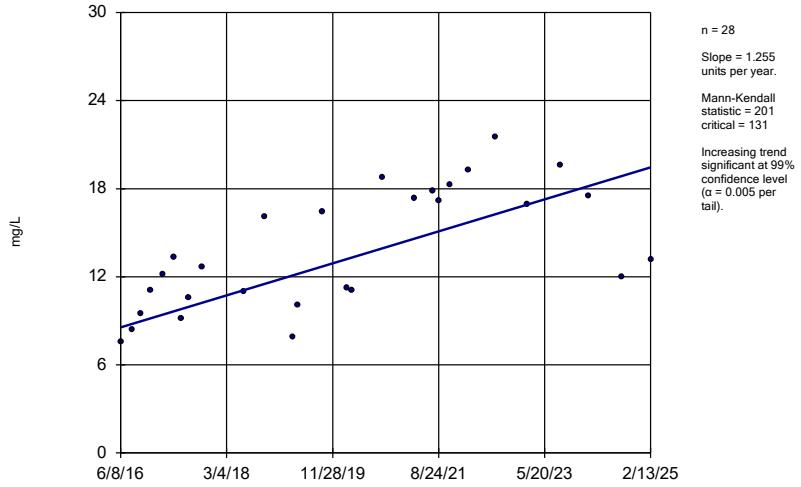
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

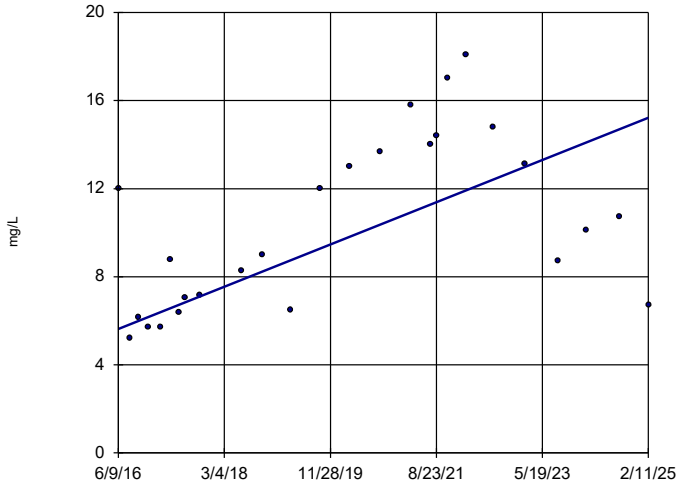
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

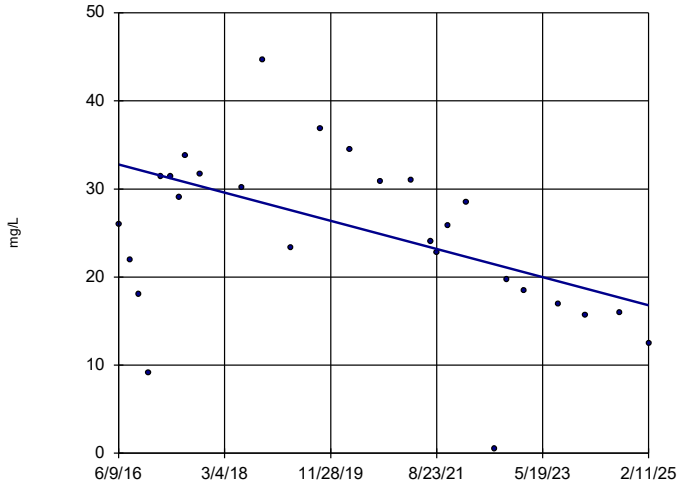
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

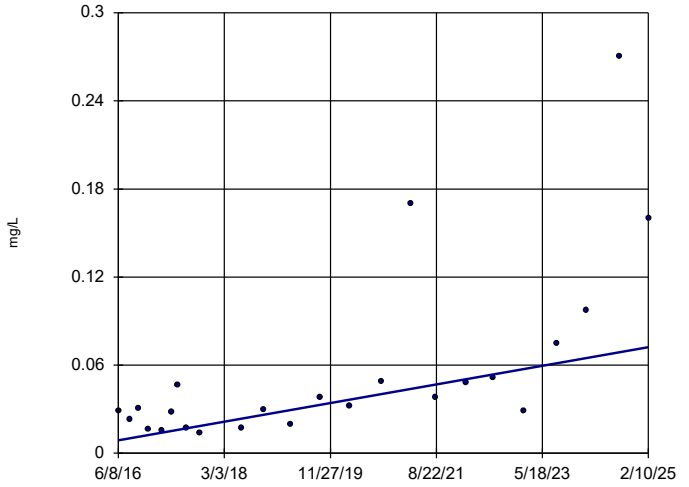
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

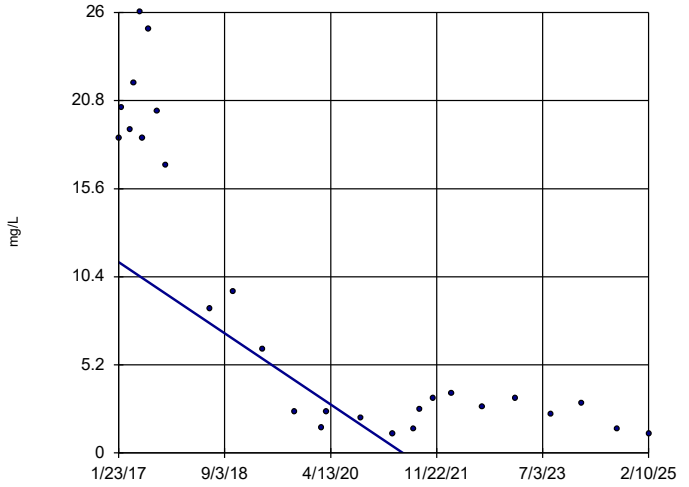
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

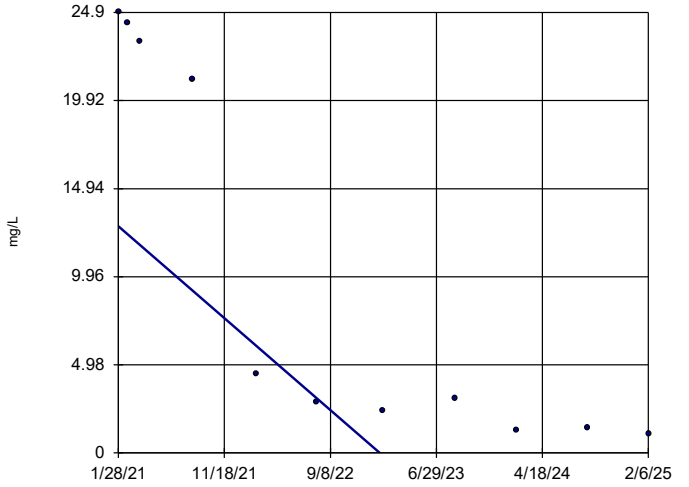
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

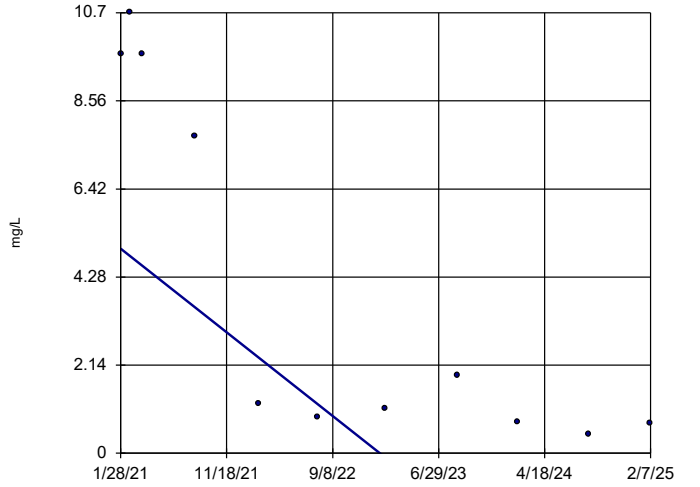
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

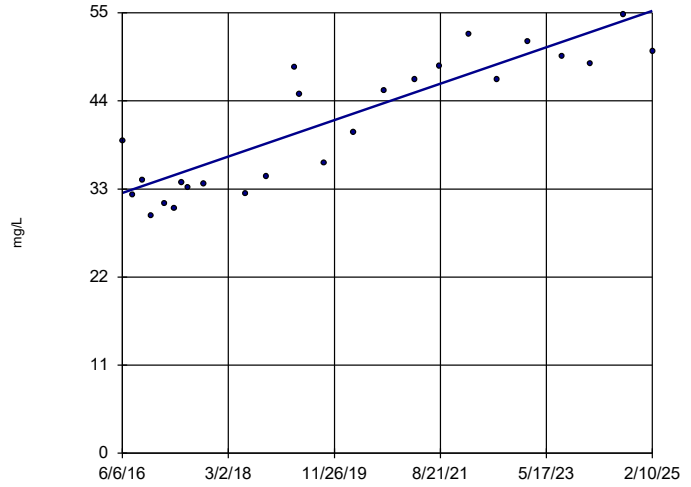
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

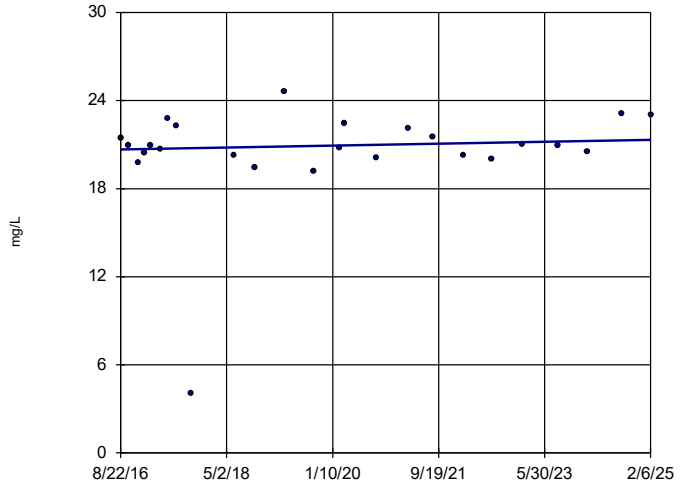
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

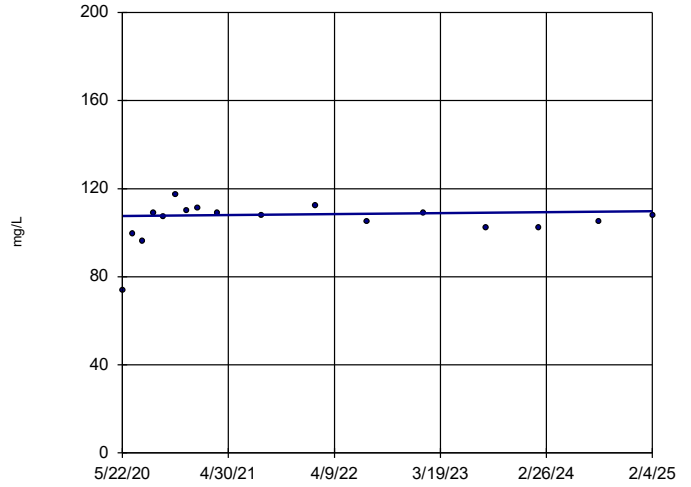
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

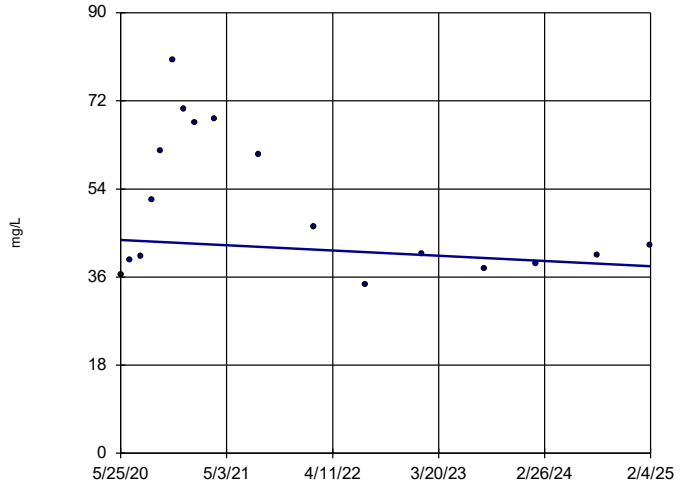
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

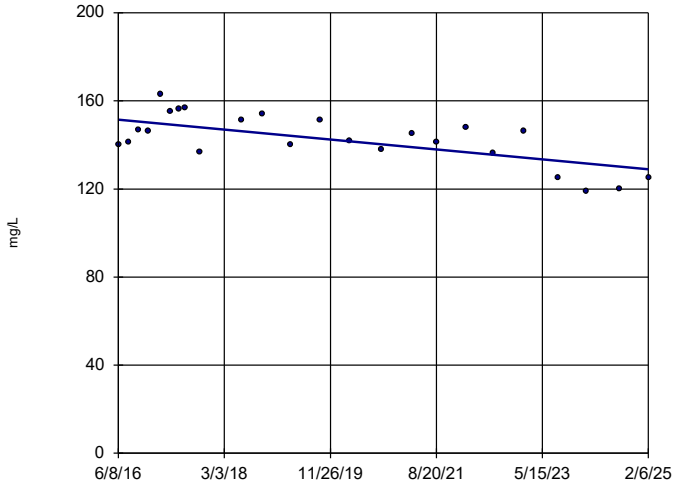
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

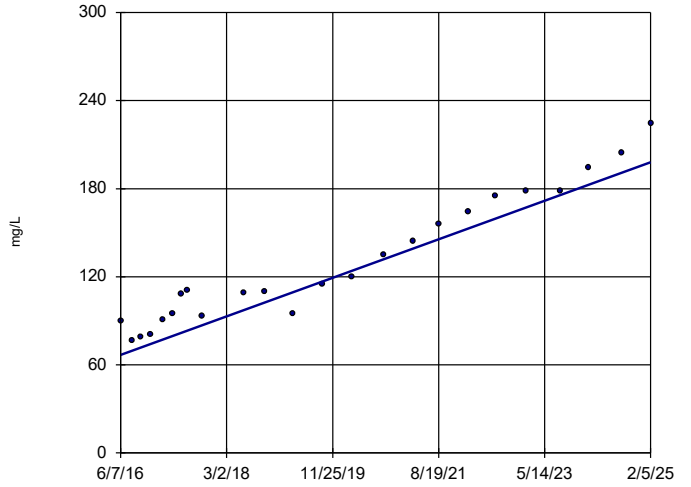
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

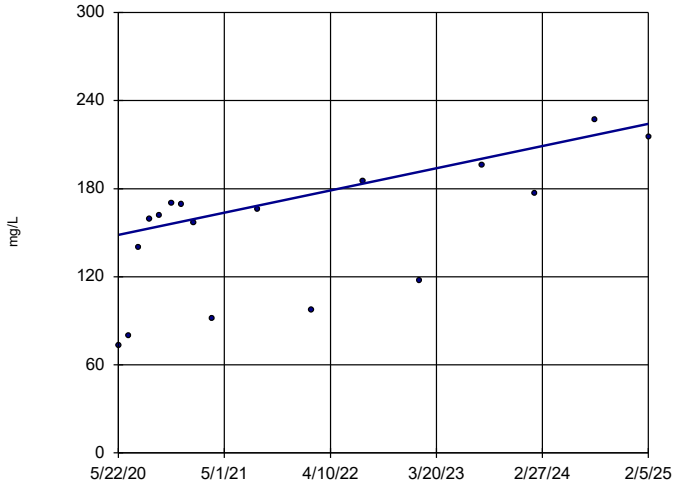
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

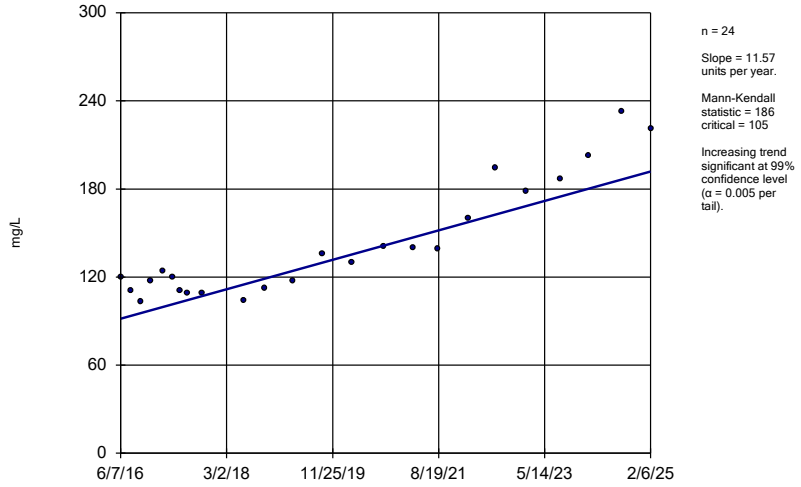
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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).

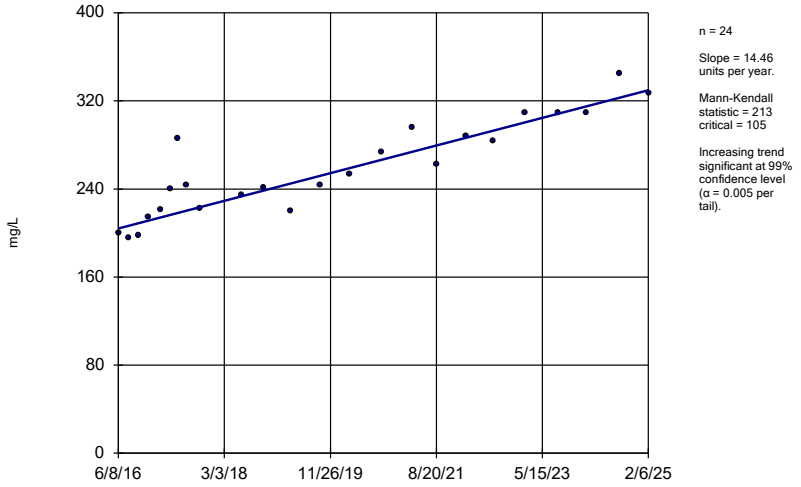
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

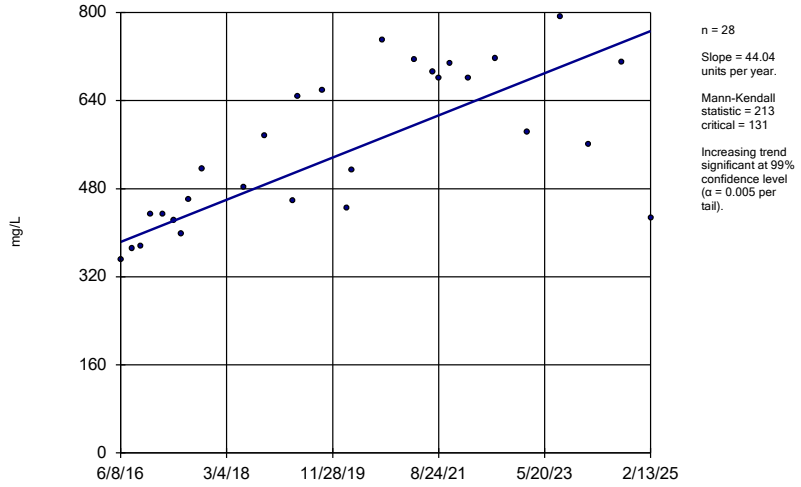
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

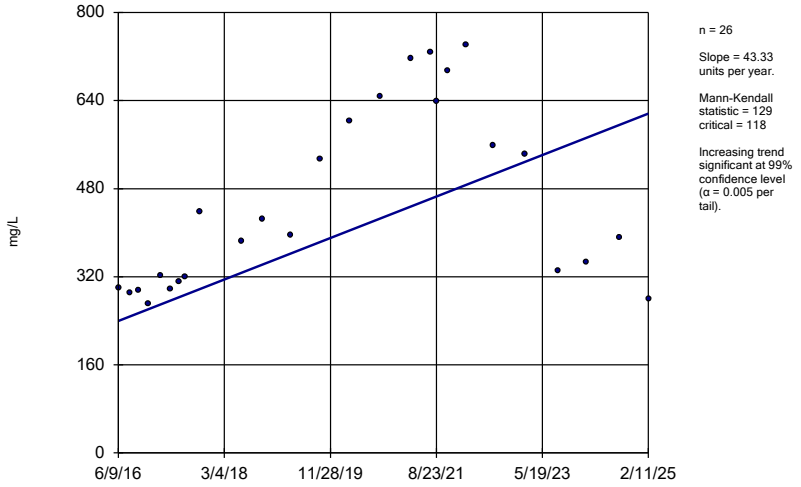
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

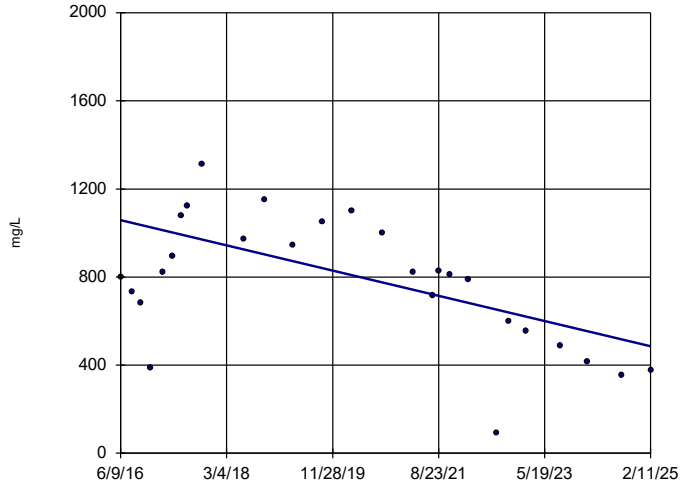
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

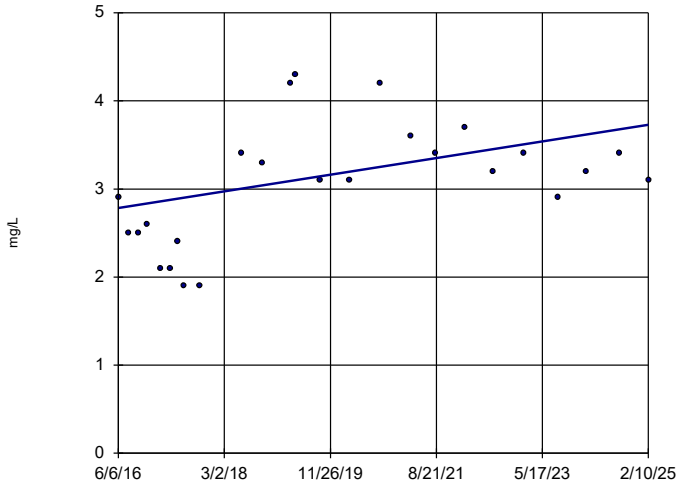
Constituent: Calcium Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

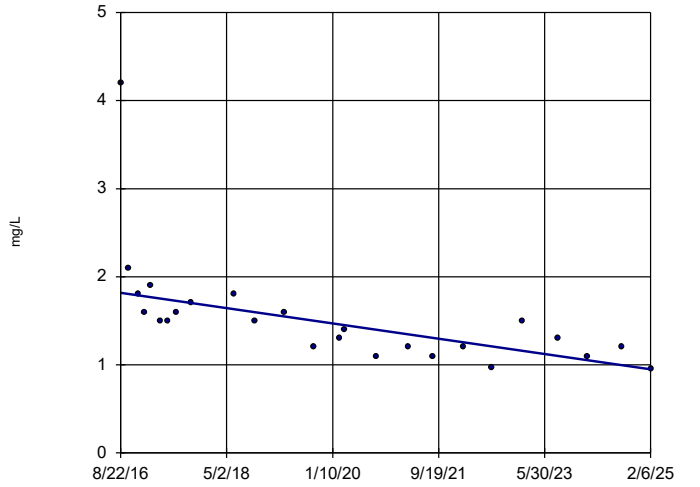
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

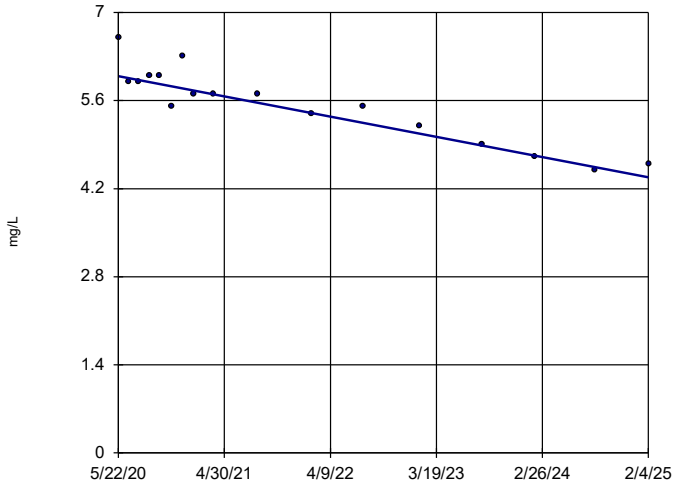
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

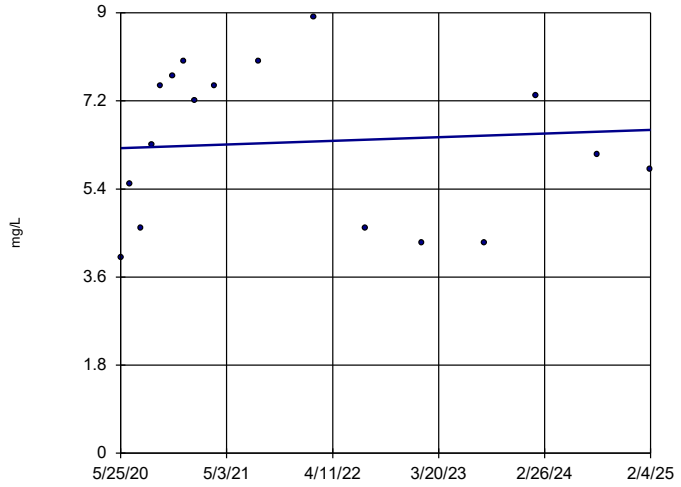
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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

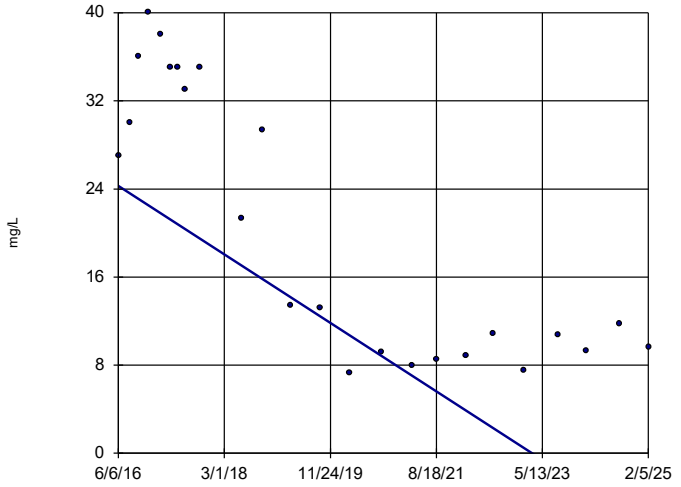
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

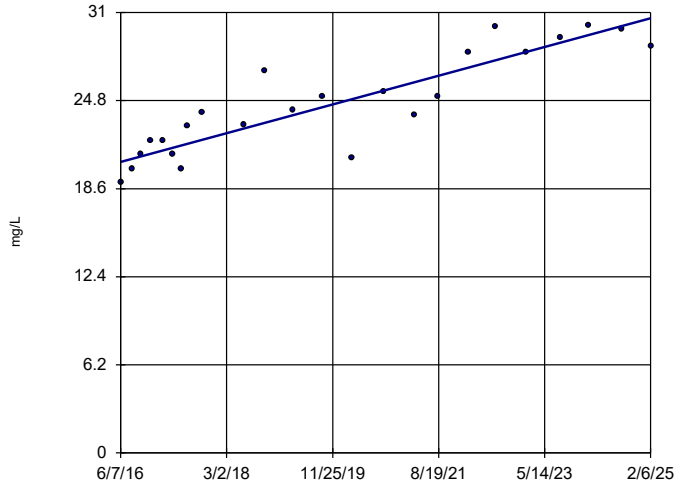
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

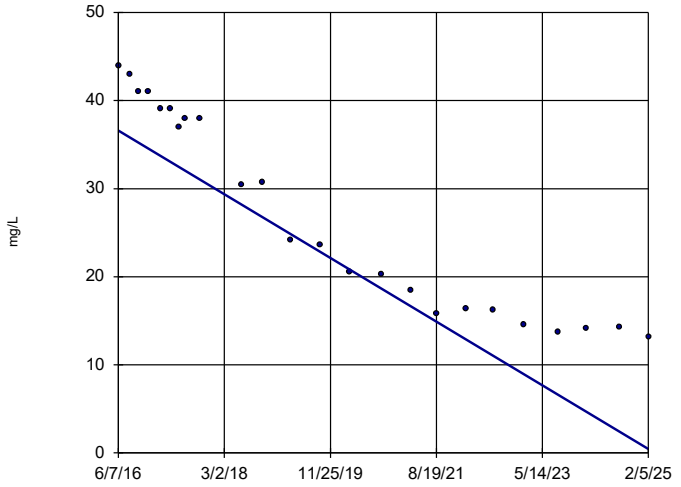
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

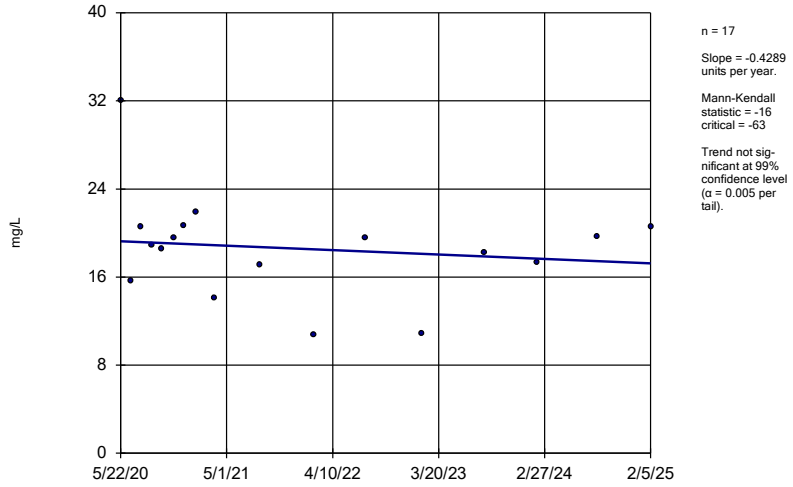
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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).

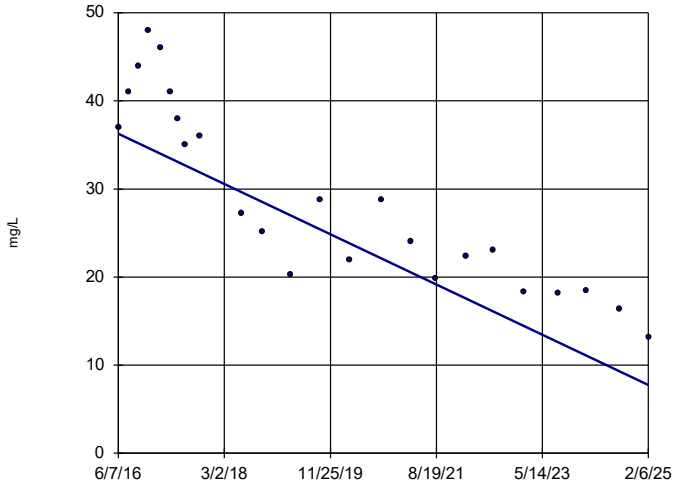
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

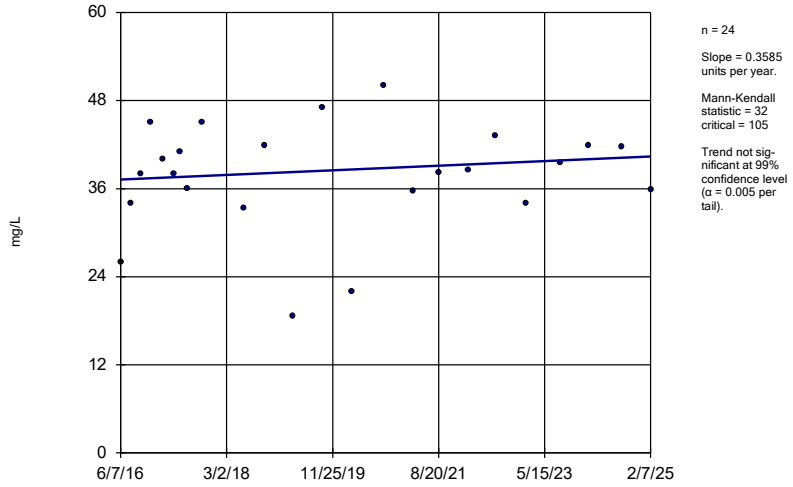
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

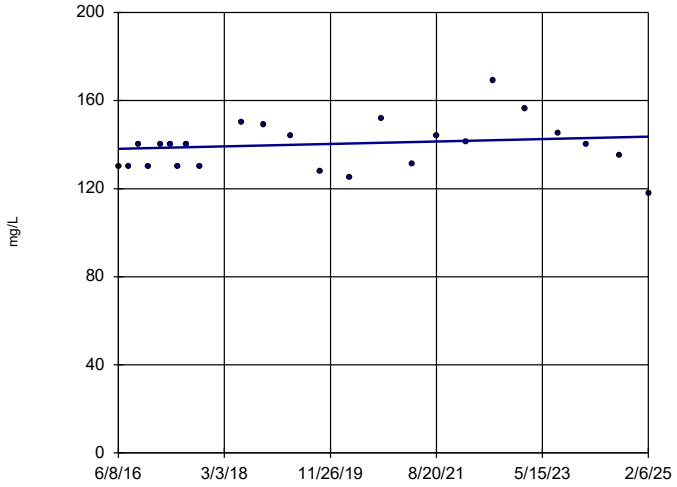
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

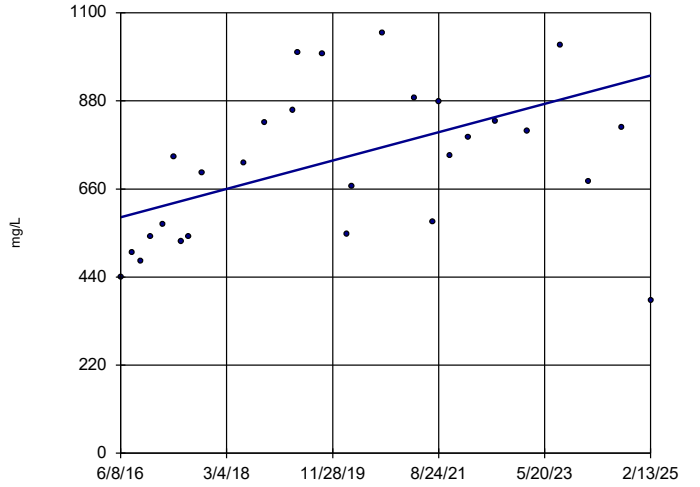
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

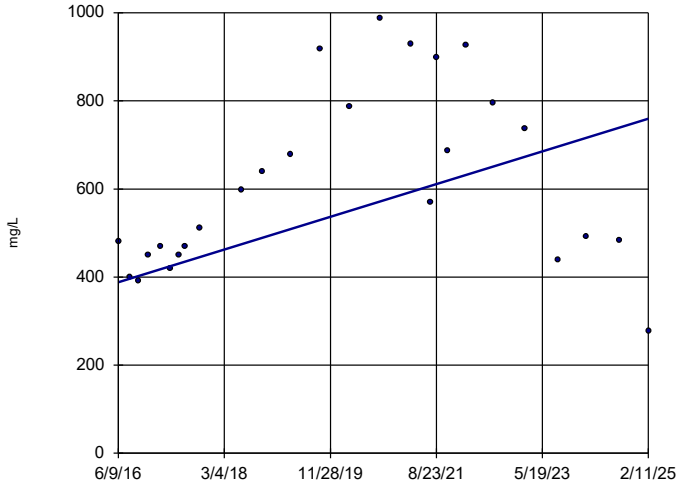
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

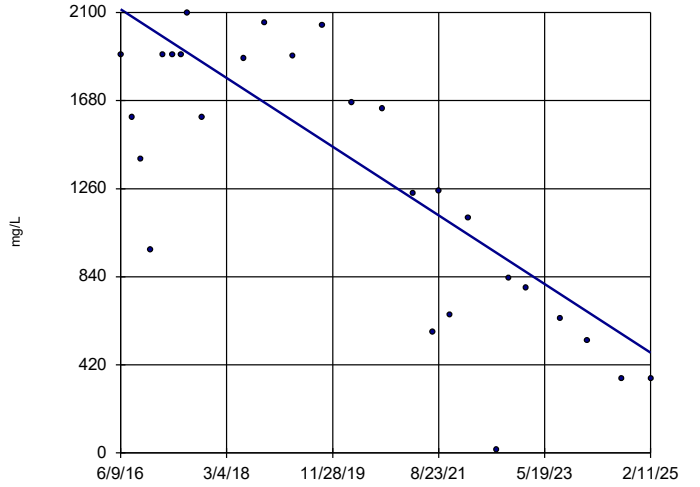
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

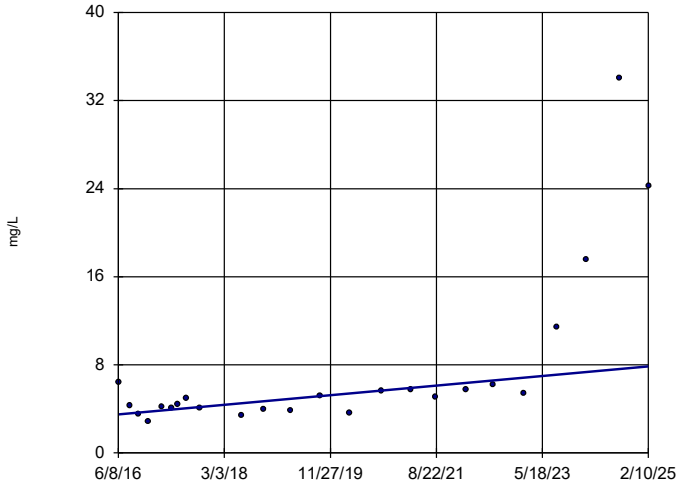
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWC-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).

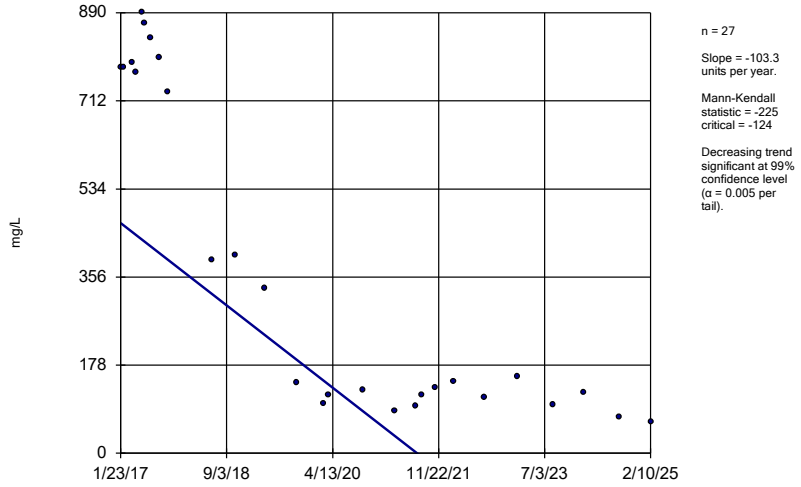
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

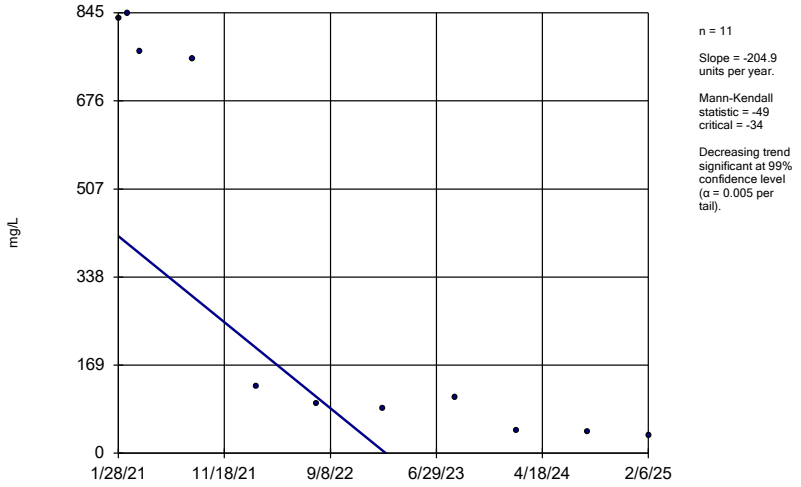
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

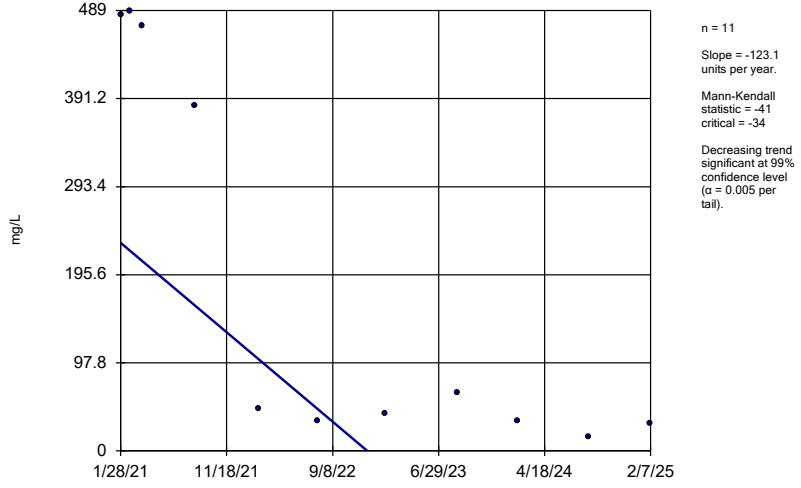
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

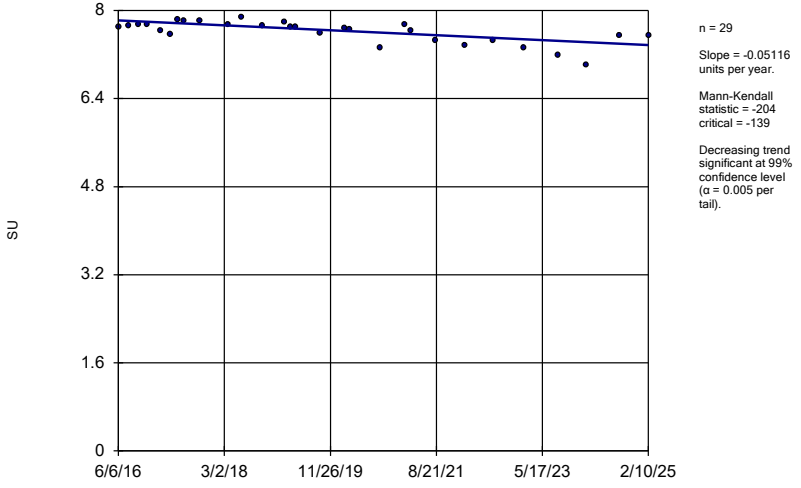
Constituent: Chloride Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

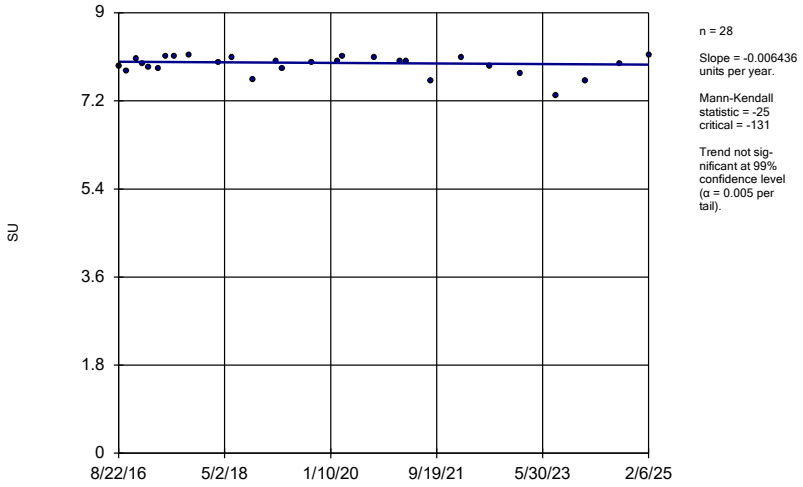
Constituent: pH, Field Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Sen's Slope Estimator

BGWA-29 (bg)



n = 28

Slope = -0.006436 units per year.

Mann-Kendall statistic = -25
critical = -131

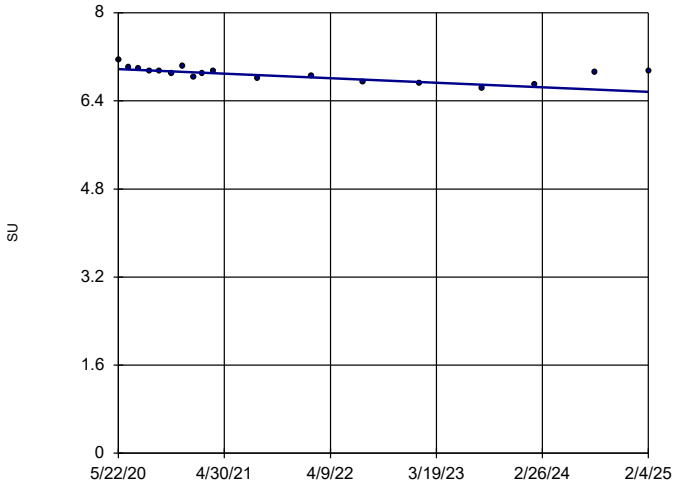
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

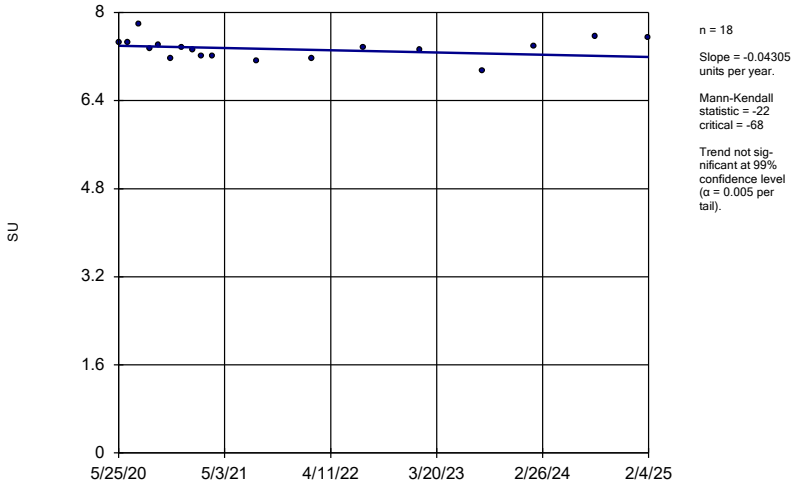
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

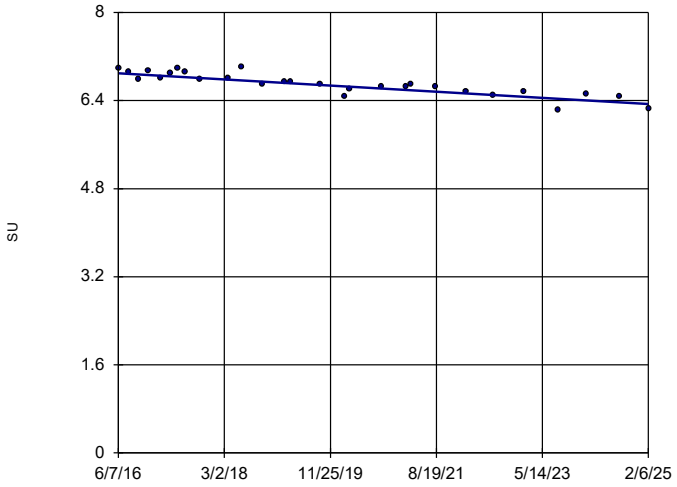
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

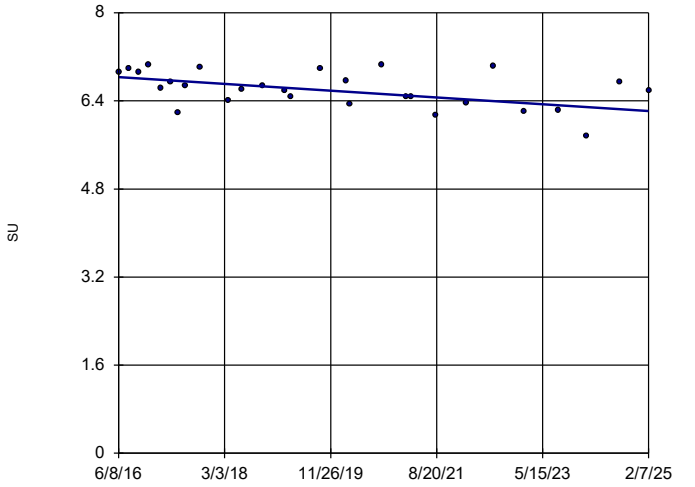
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

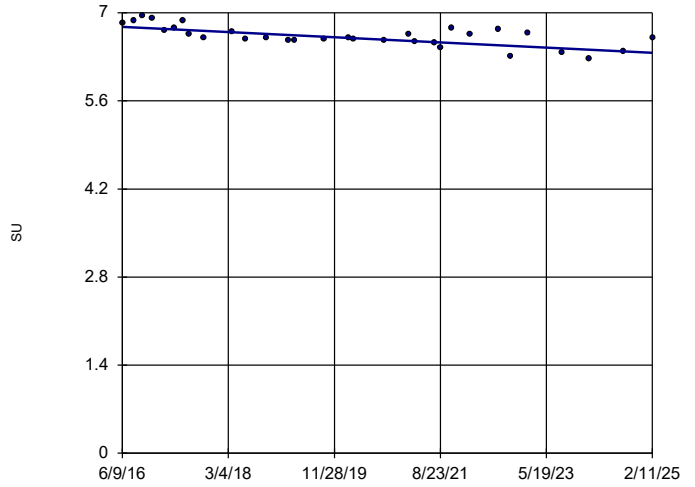
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

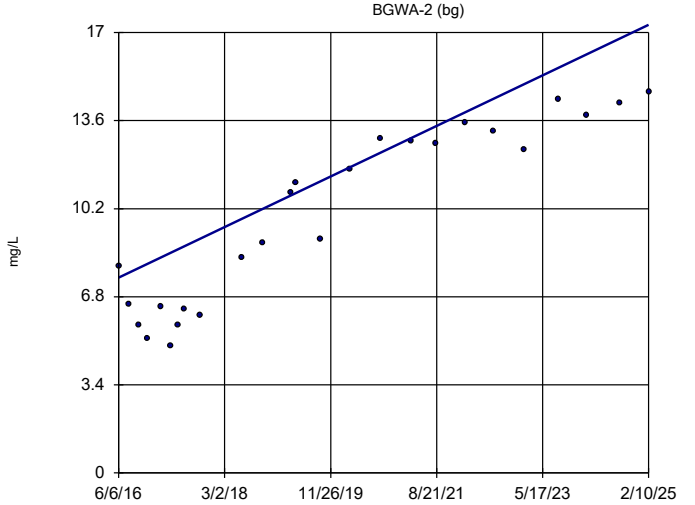
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

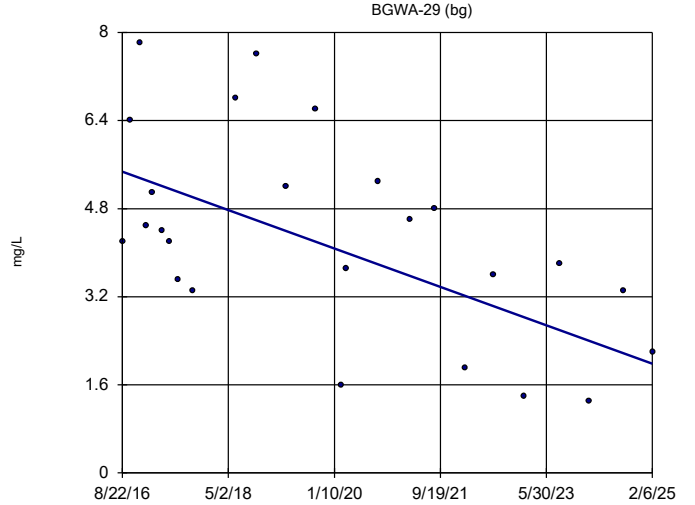
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

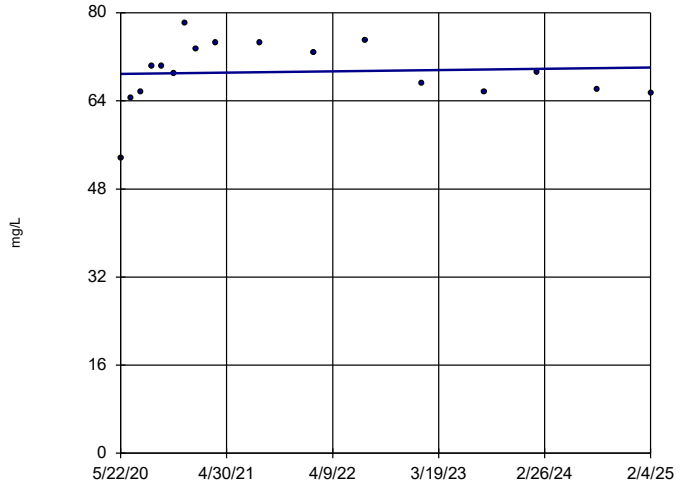
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

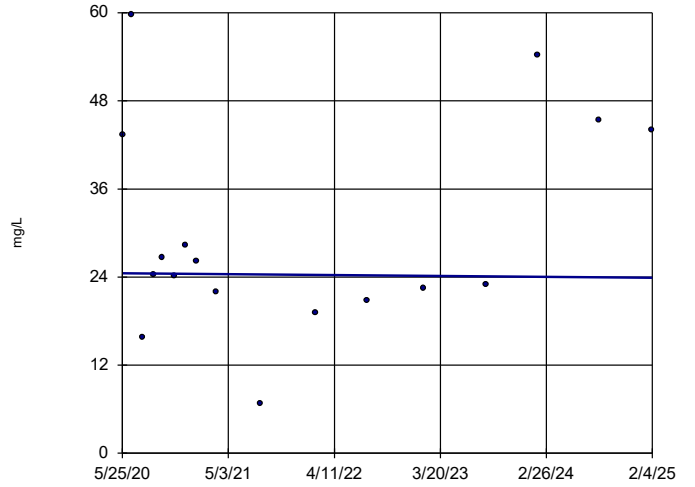
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

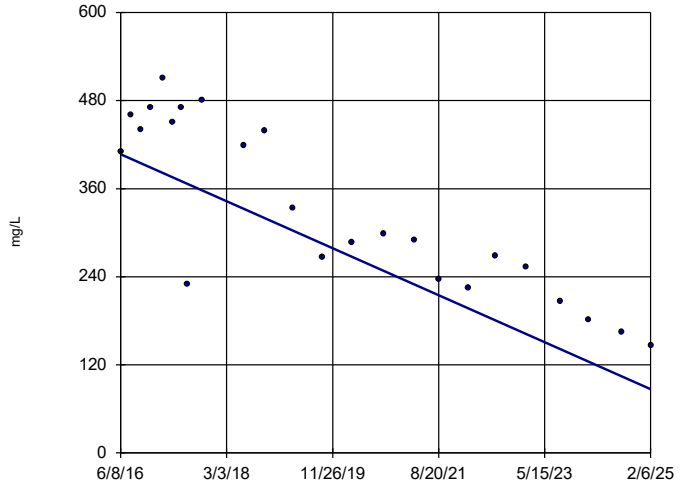
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

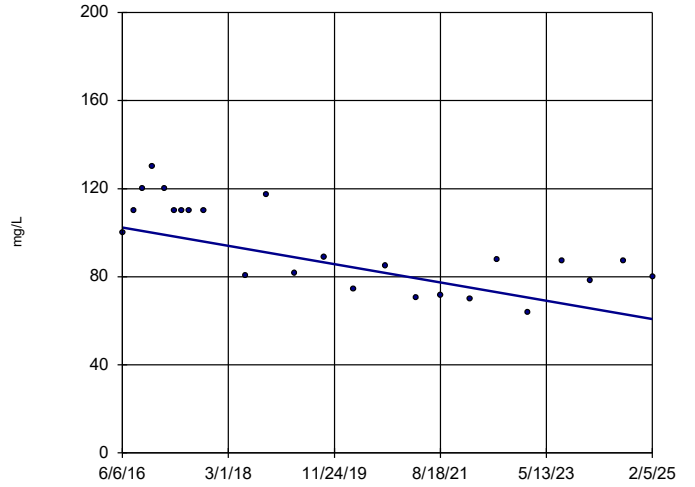
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

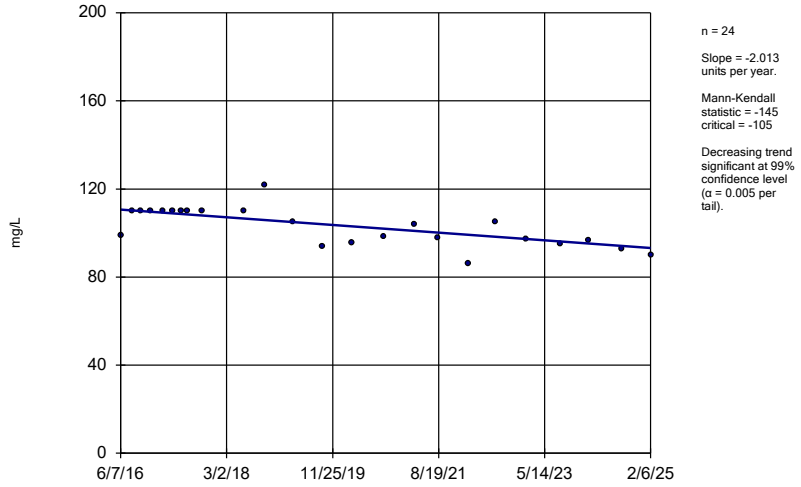
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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).

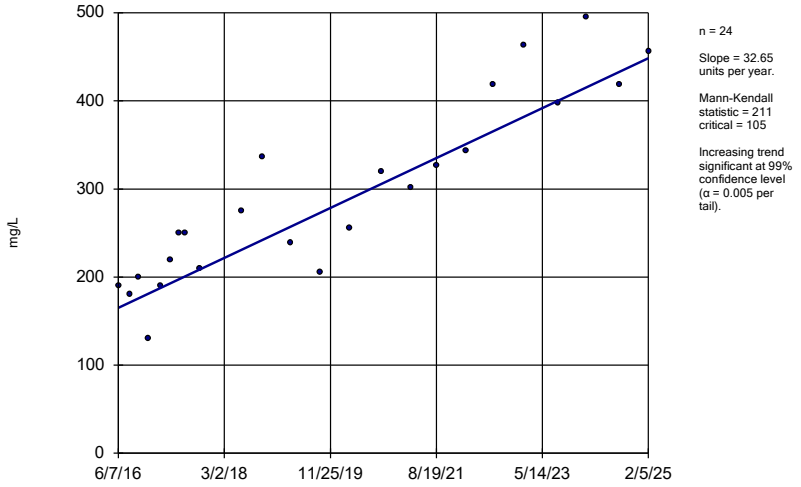
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

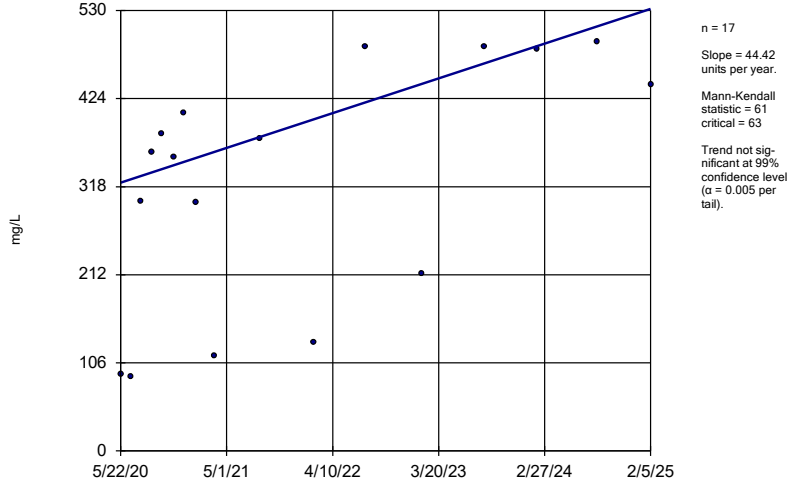
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

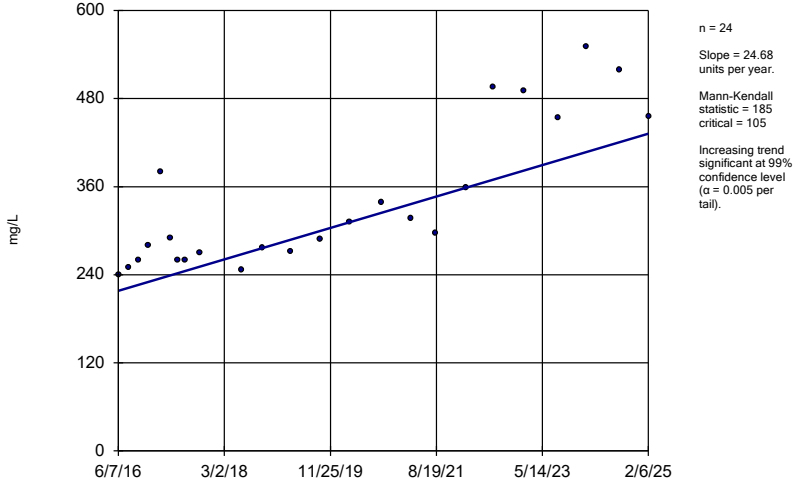
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

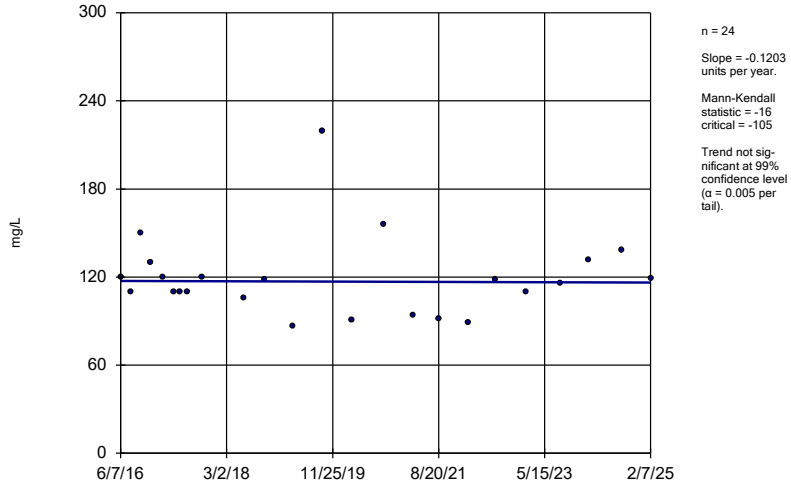
Constituent: Sulfate Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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

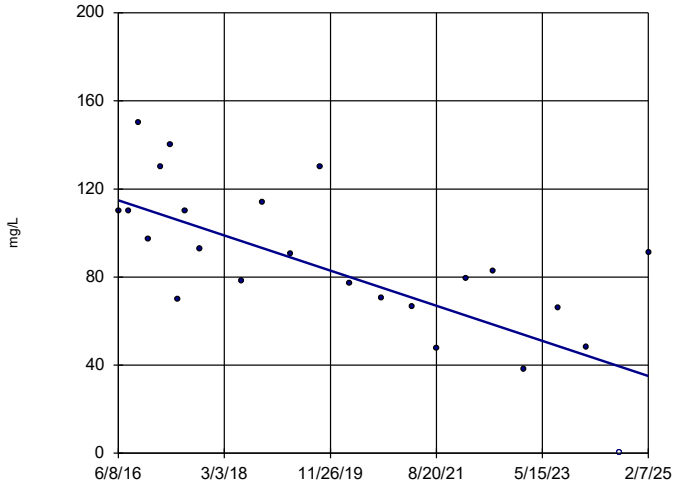
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

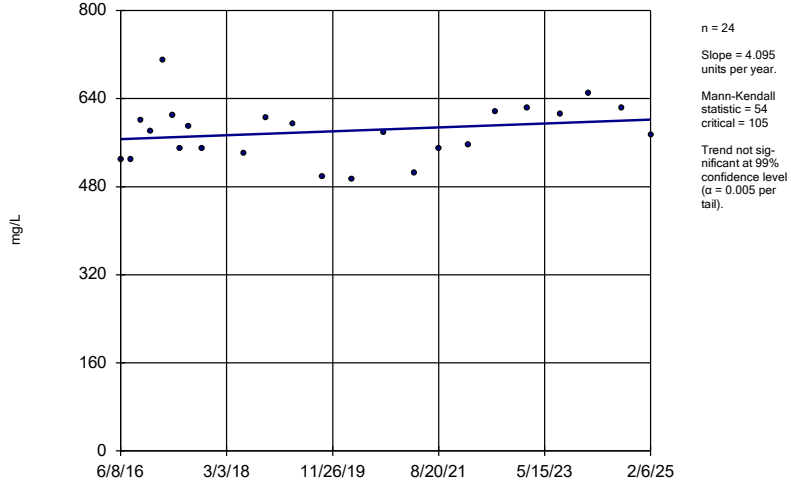
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

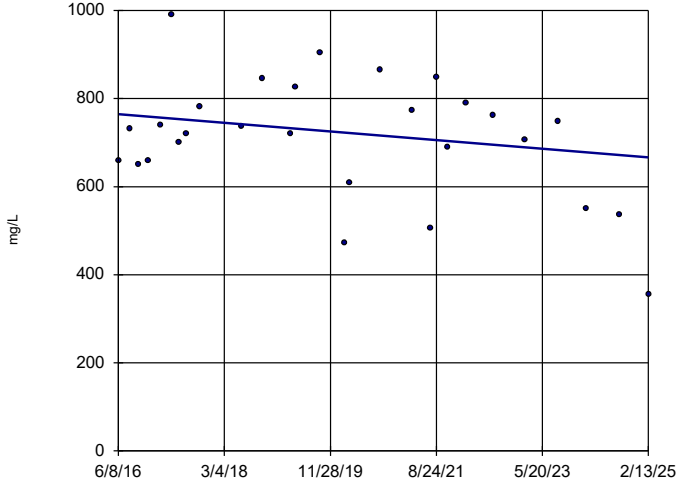
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

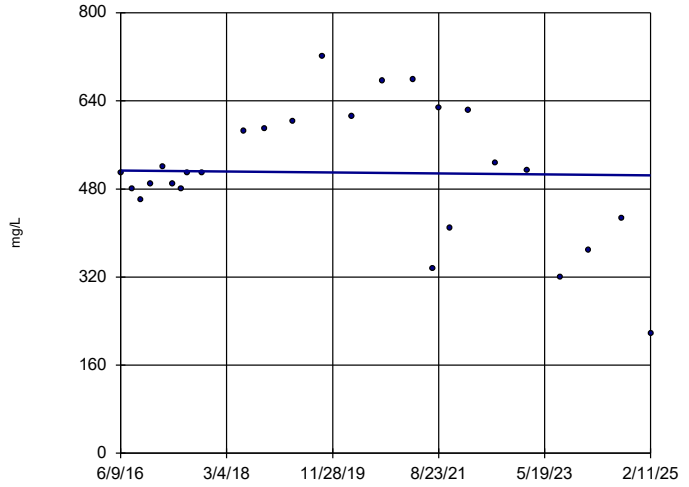
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

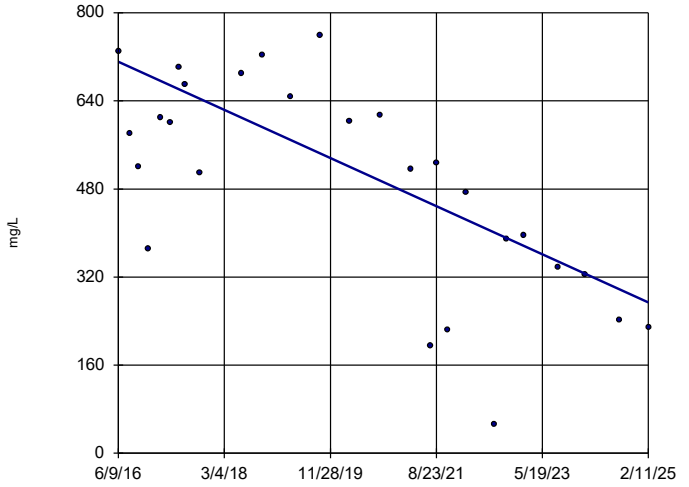
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

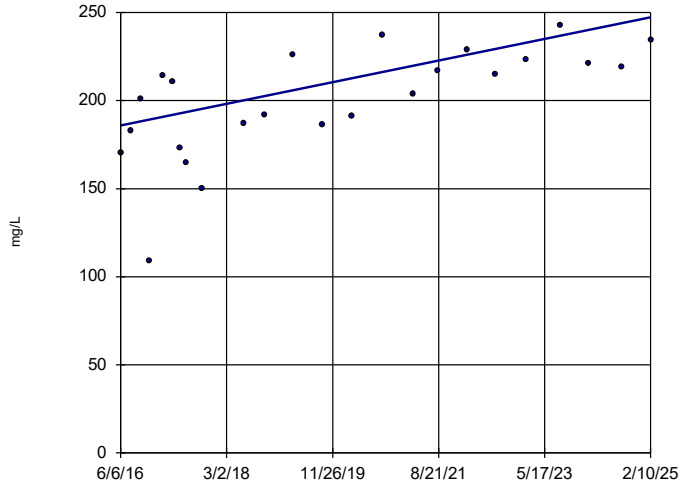
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

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

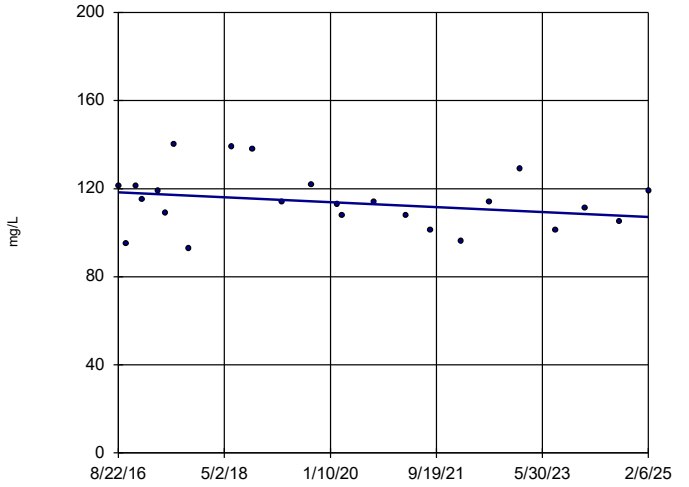
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

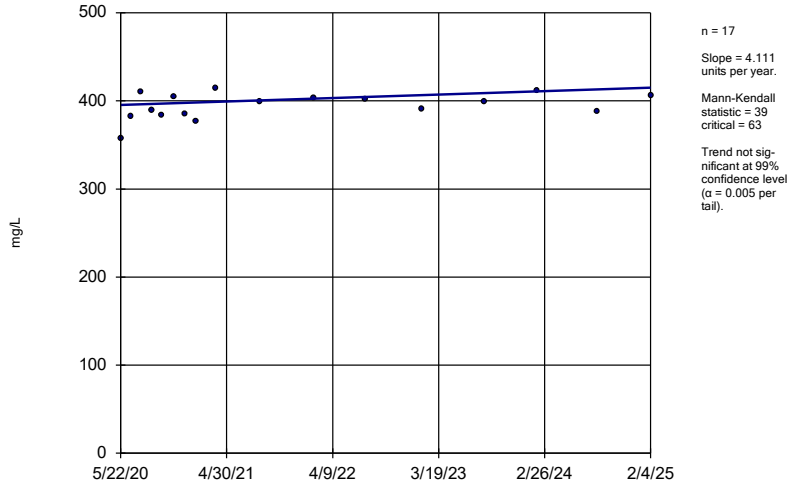
Trend not significant at 99% confidence level (α = 0.005 per tail).

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).

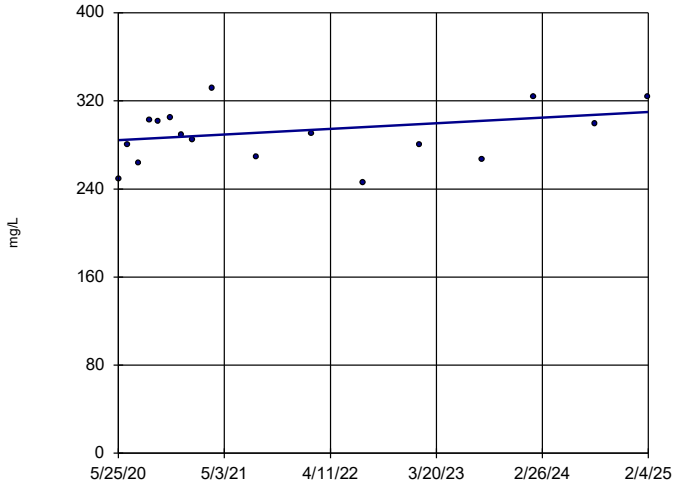
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

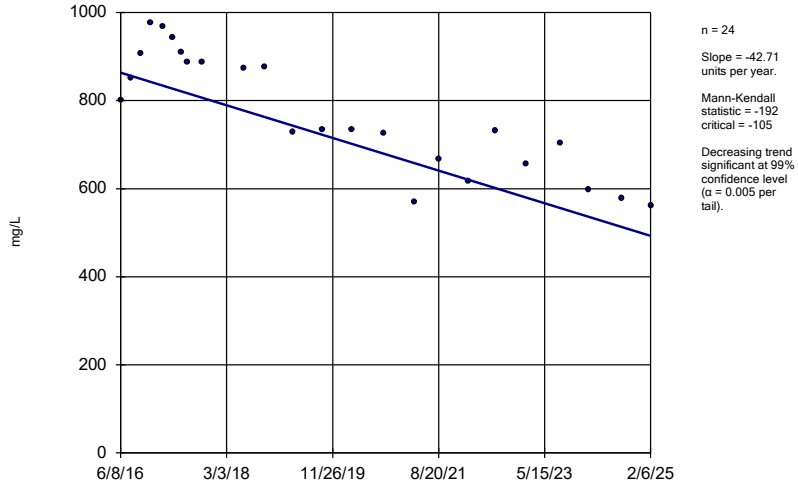
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

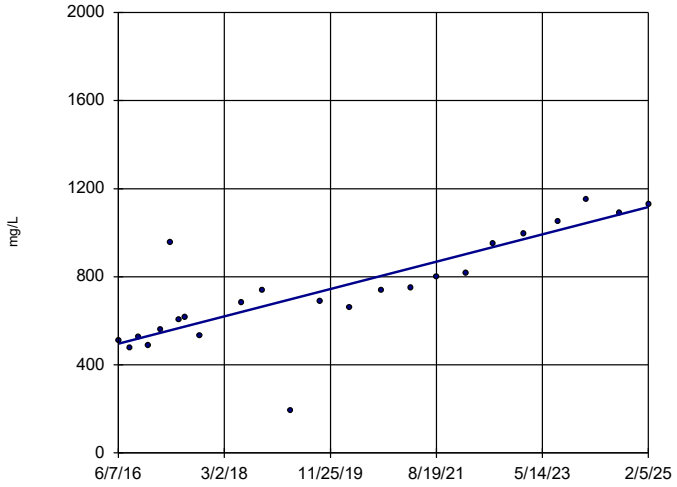
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

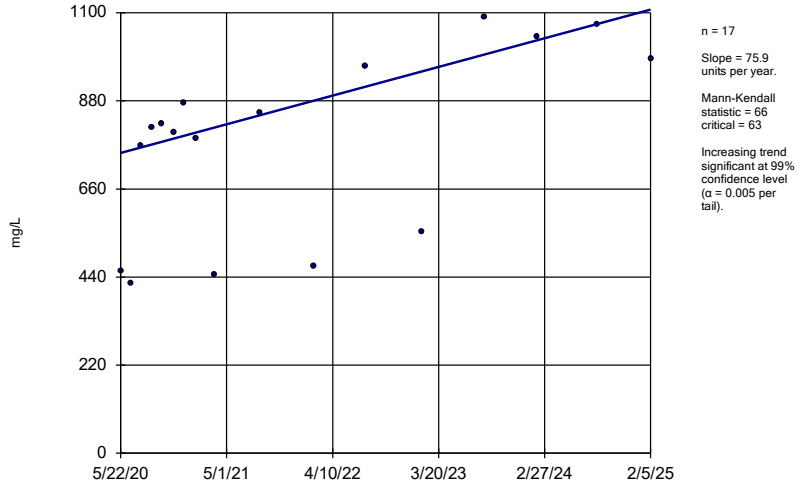
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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).

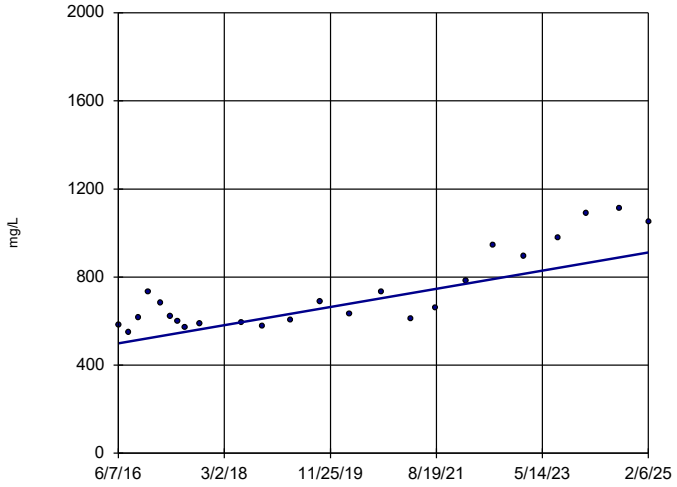
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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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).

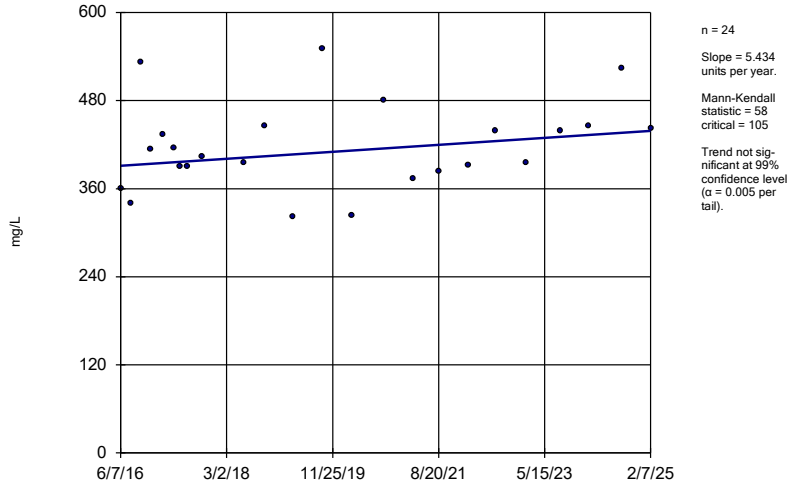
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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).

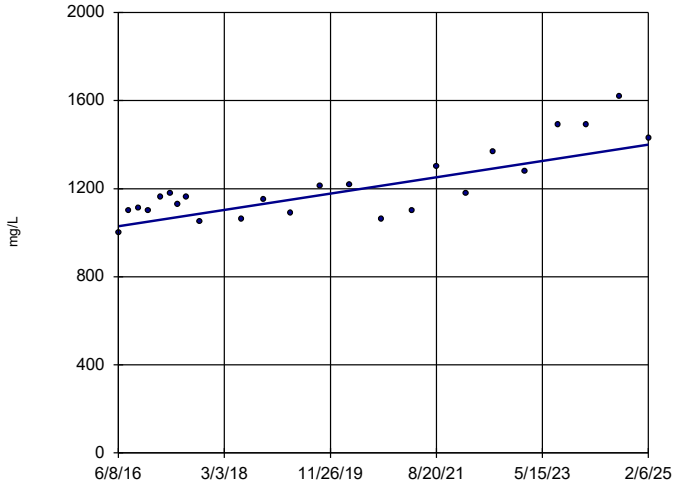
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

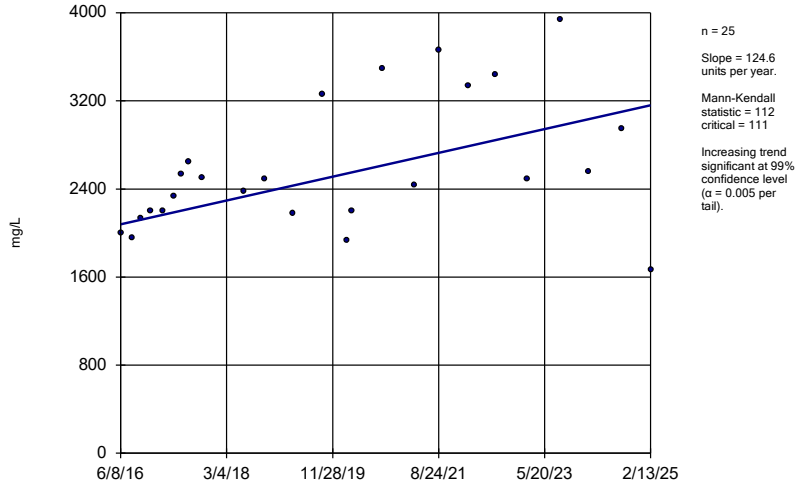
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

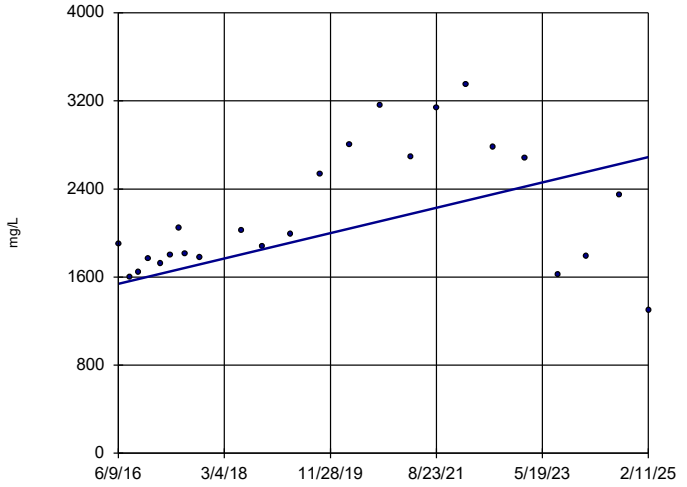
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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).

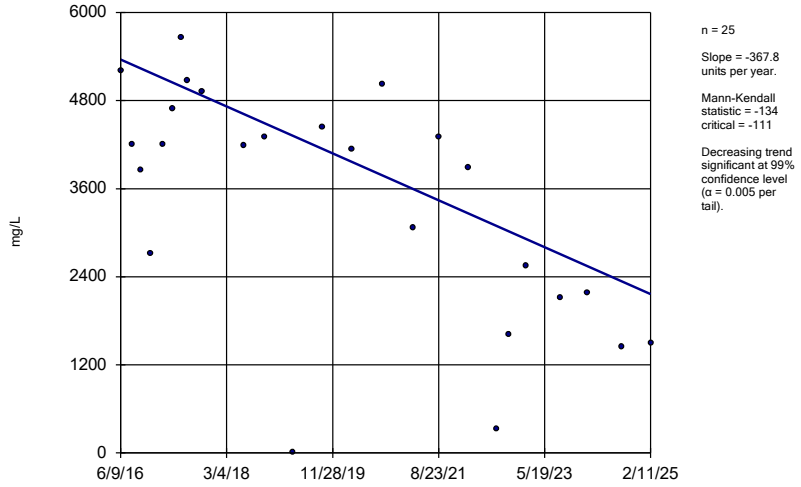
Constituent: TDS Analysis Run 6/3/2025 11:49 AM View: Appendix III Trend Tests

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.

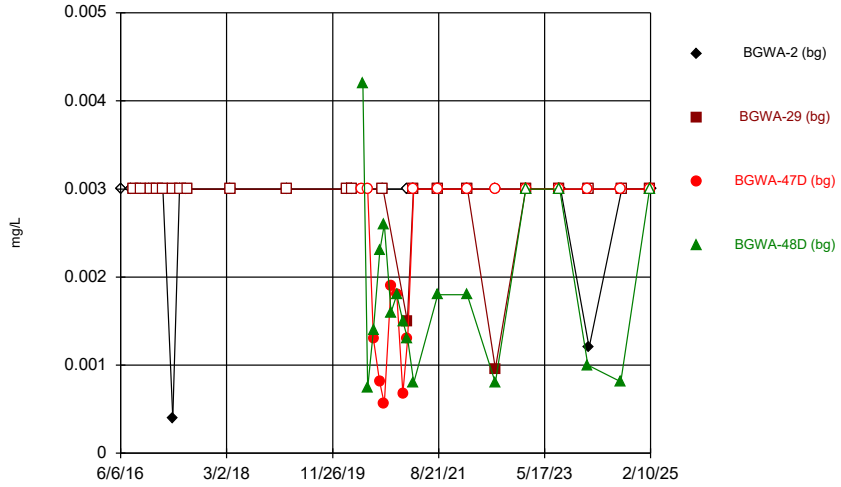
Upper Tolerance Limits Summary Table

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.

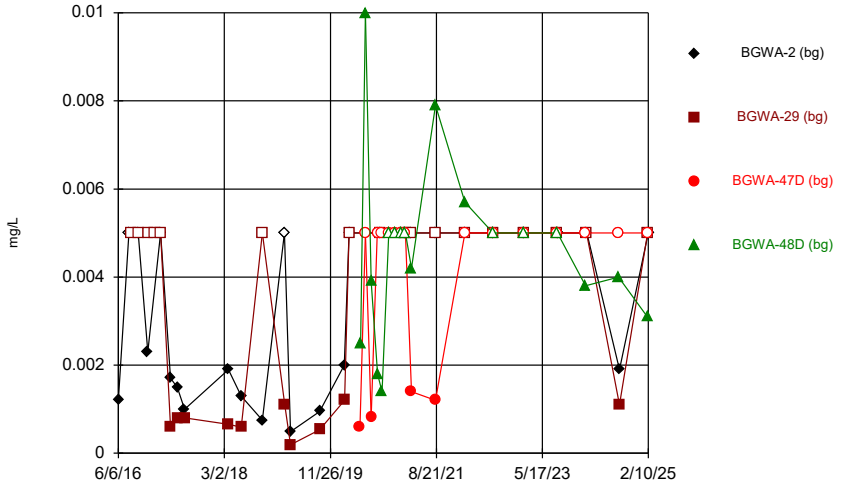
Time Series



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.

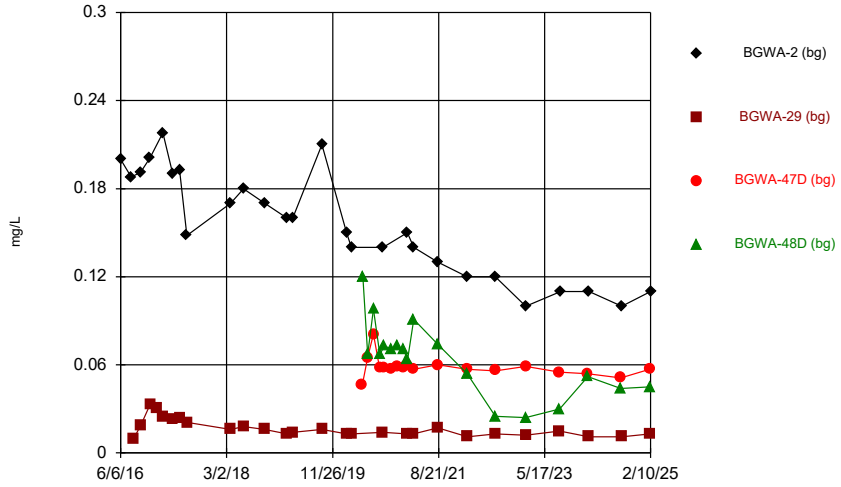
Time Series



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

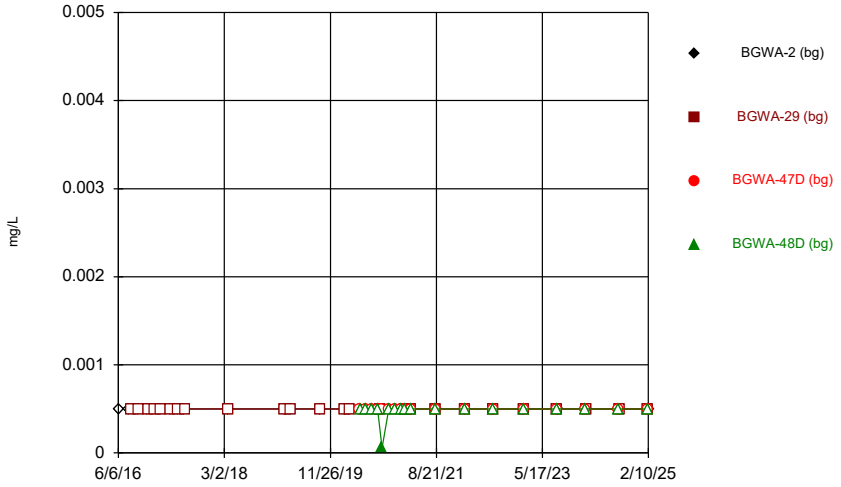
Time Series



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.

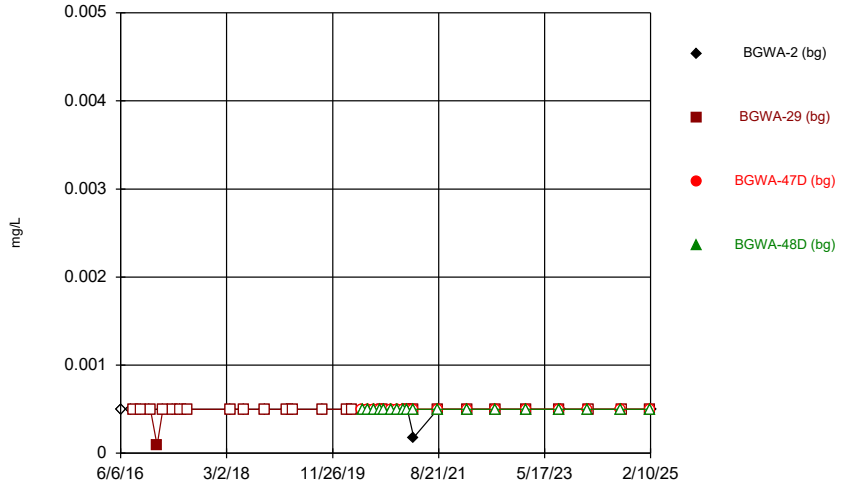
Time Series



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.

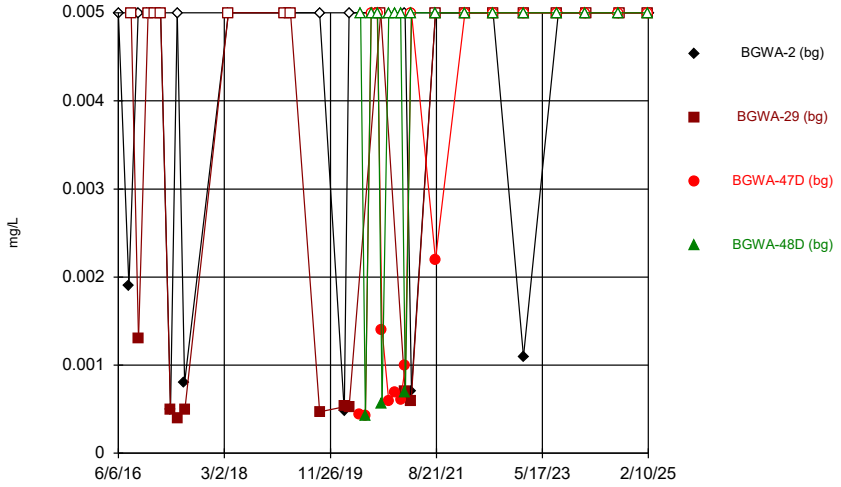
Time Series



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.

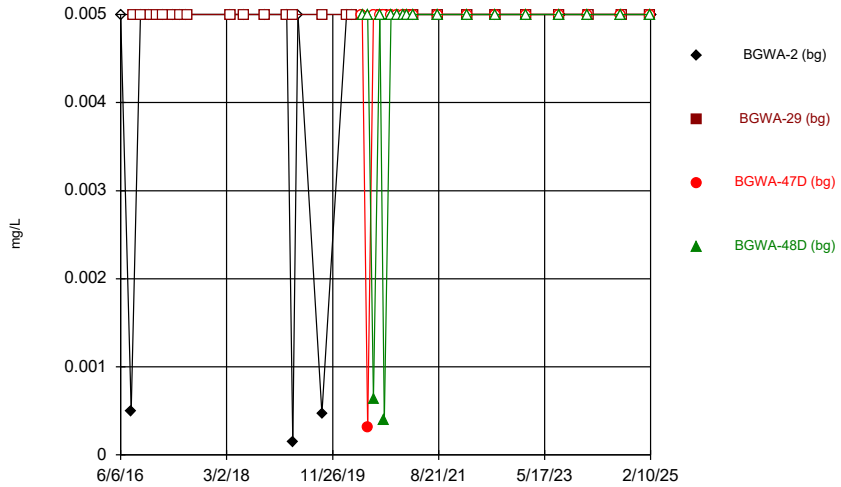
Time Series



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.

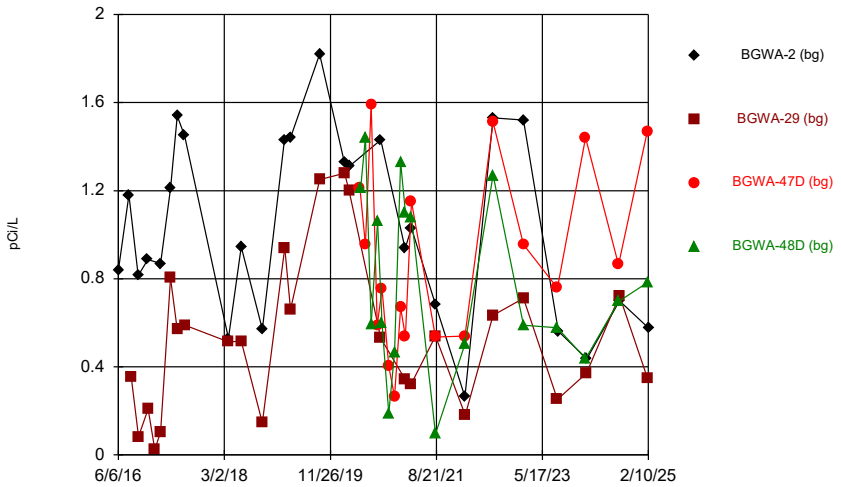
Time Series



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

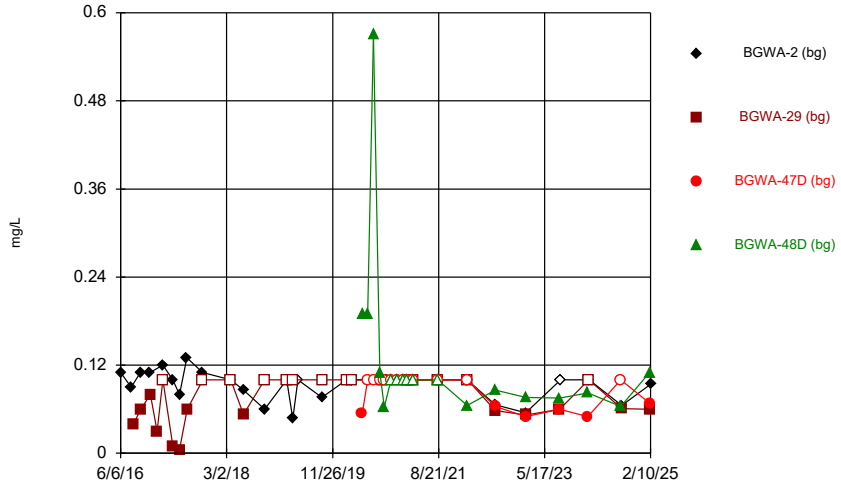
Time Series



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.

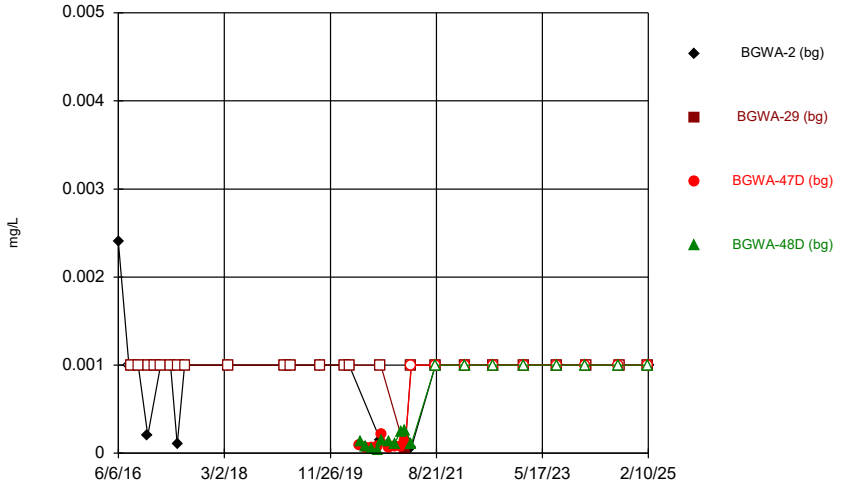
Time Series



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.

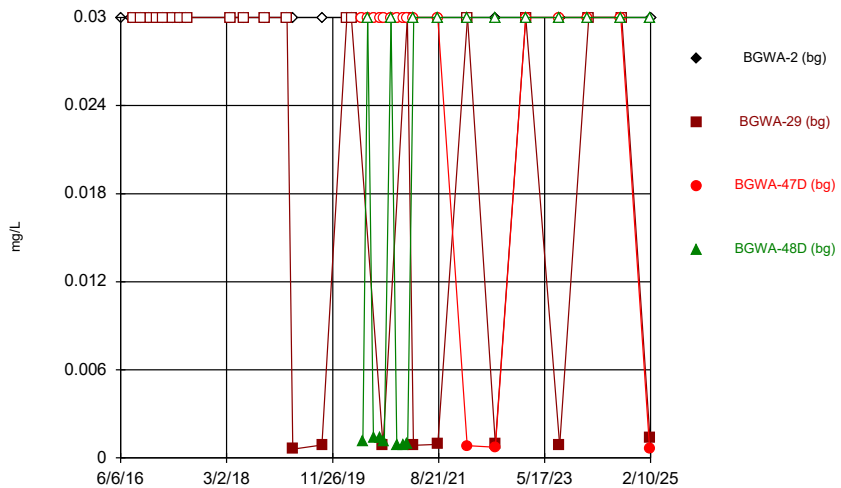
Time Series



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.

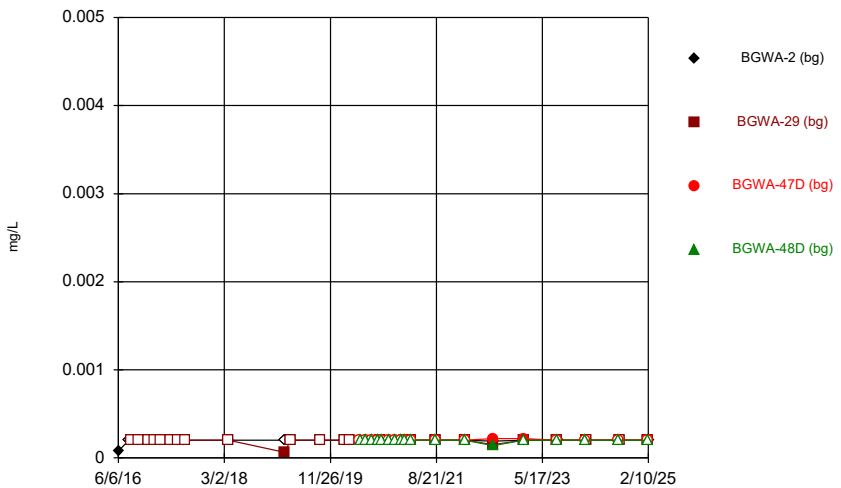
Time Series



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.

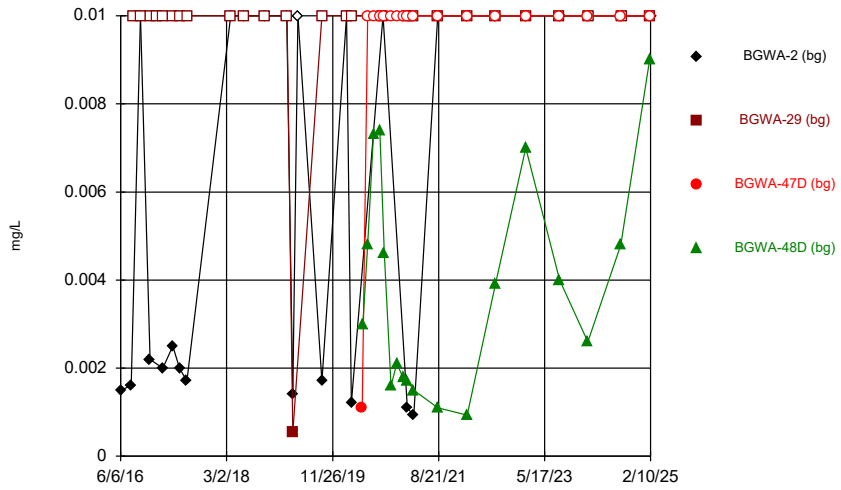
Time Series



Constituent: Mercury Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

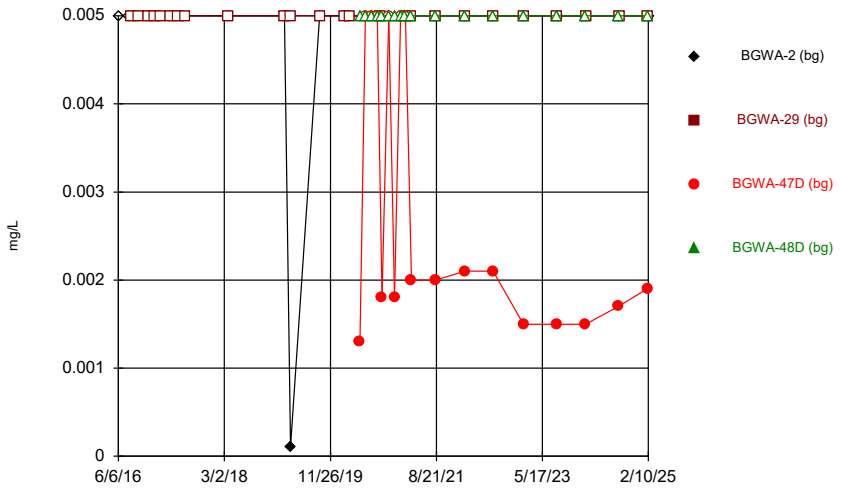
Time Series



Constituent: Molybdenum Analysis Run 6/3/2025 11:55 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.

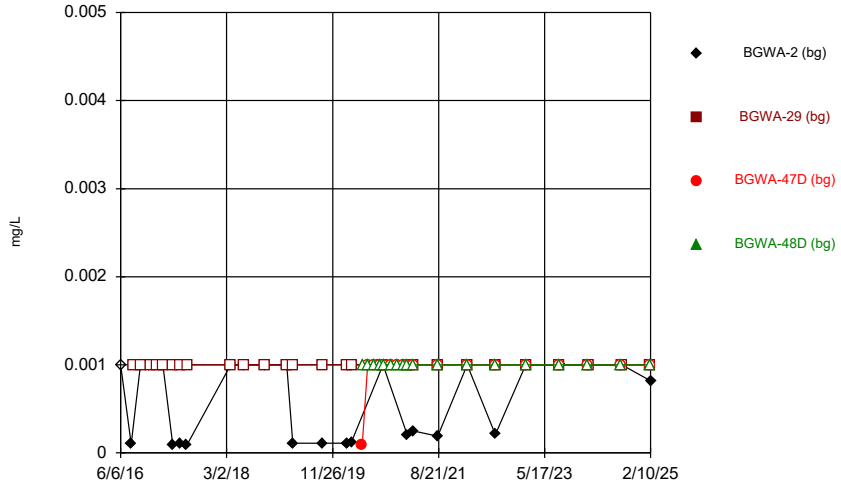
Time Series



Constituent: Selenium 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: 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



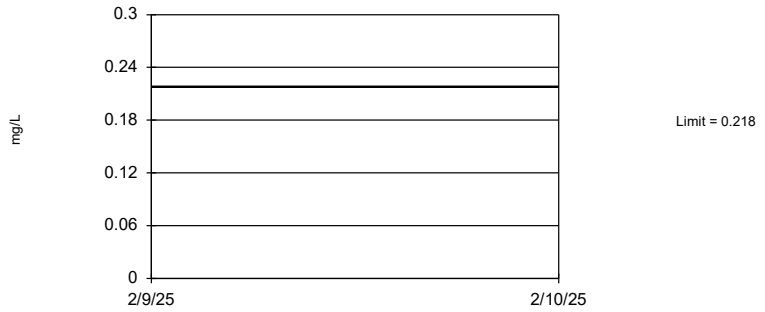
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 58.89% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

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



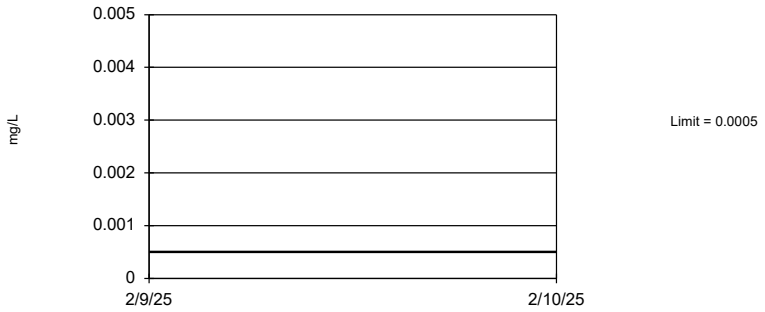
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report 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



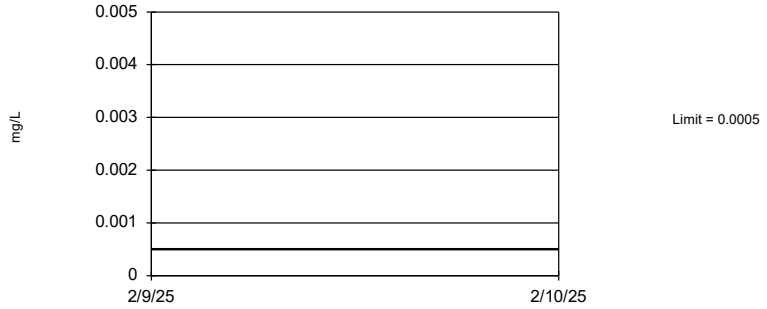
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 98.84% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Beryllium Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits
Plant Bowen Client: Southern Company Data: Bowen AP-1

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. 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.

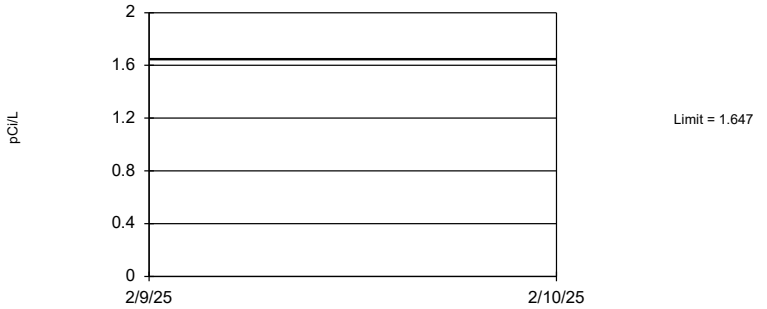
Constituent: Cobalt Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

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.

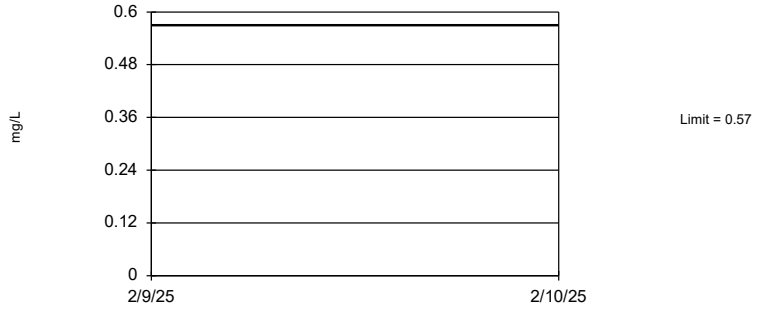
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 11:55 AM View: Upper Tolerance Limits

Plant Bowen Client: Southern Company Data: Bowen AP-1

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Tolerance Limit

Interwell Non-parametric



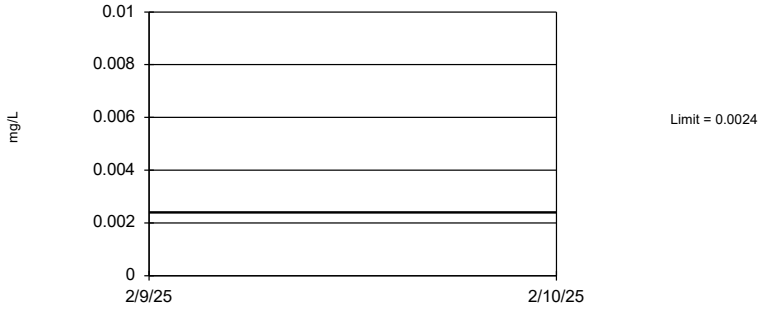
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 93 background values. 48.39% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. 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

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



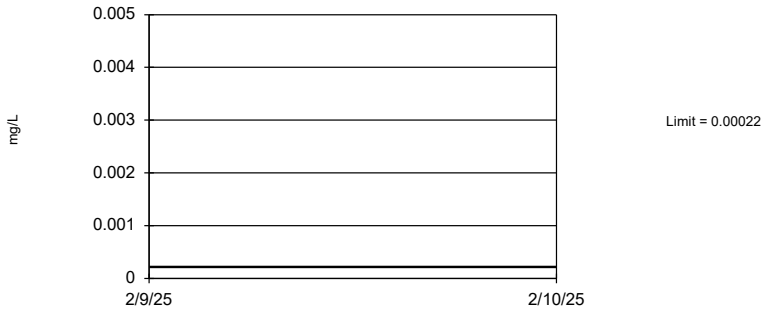
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 90 background values. 80% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.009888.

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

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. 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

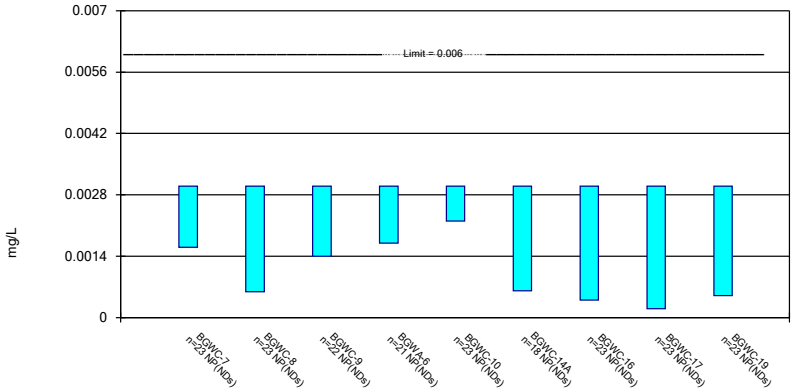
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:14 PM

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.

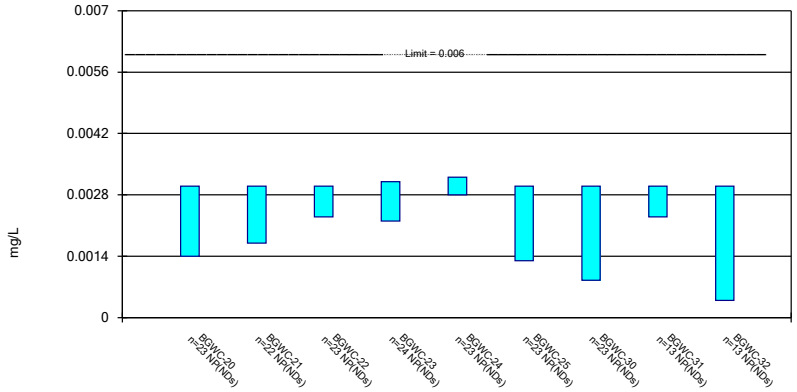


Constituent: Antimony Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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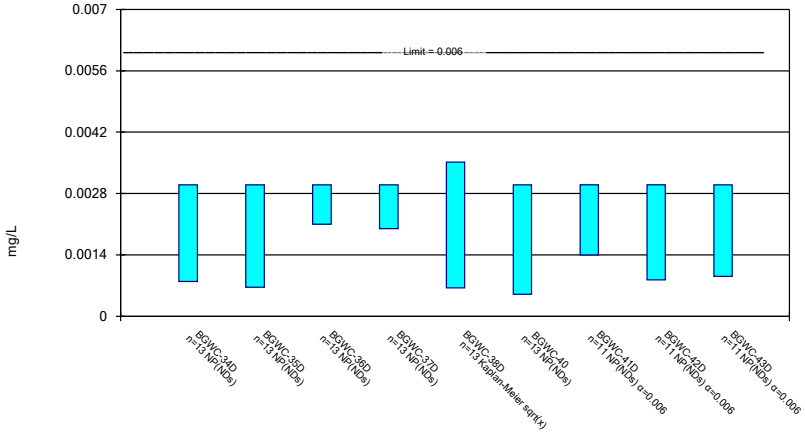


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

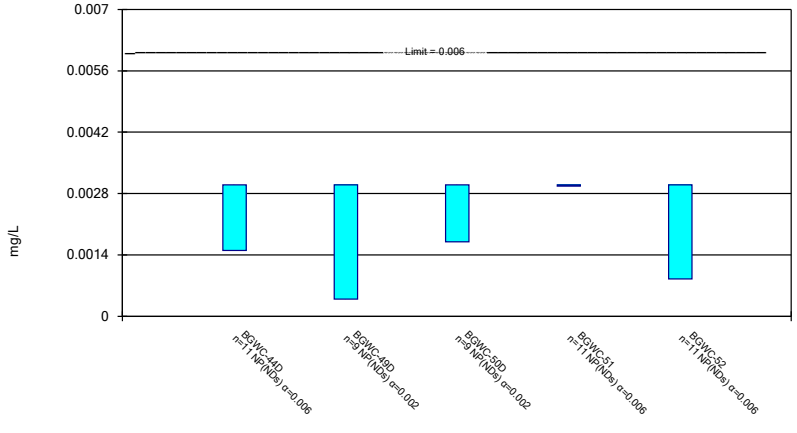


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Non-Parametric Confidence Interval

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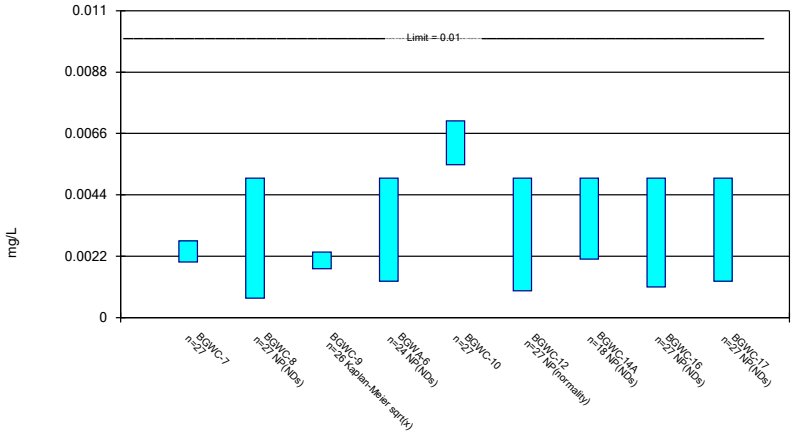


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



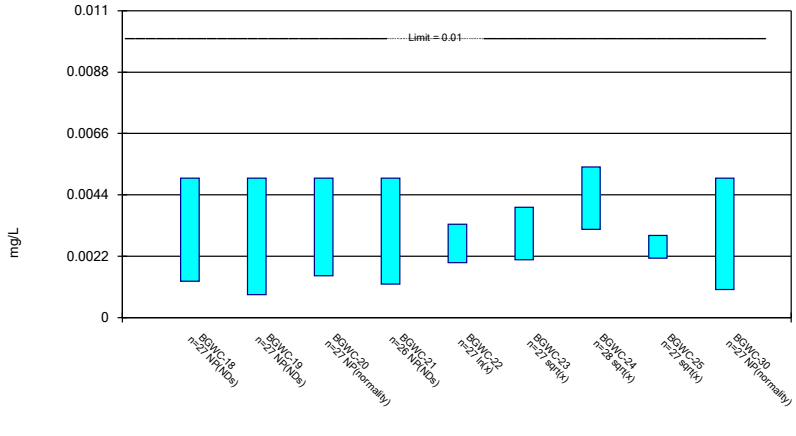
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



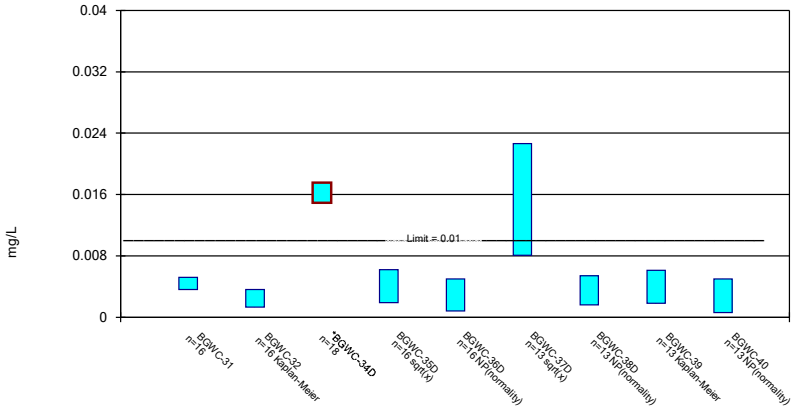
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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.



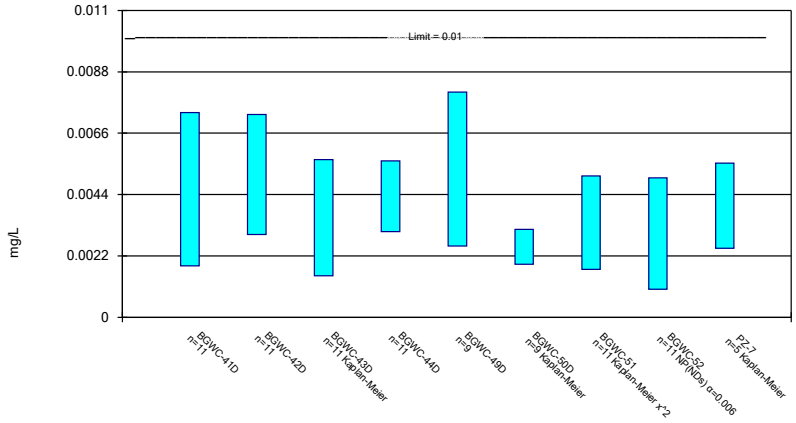
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



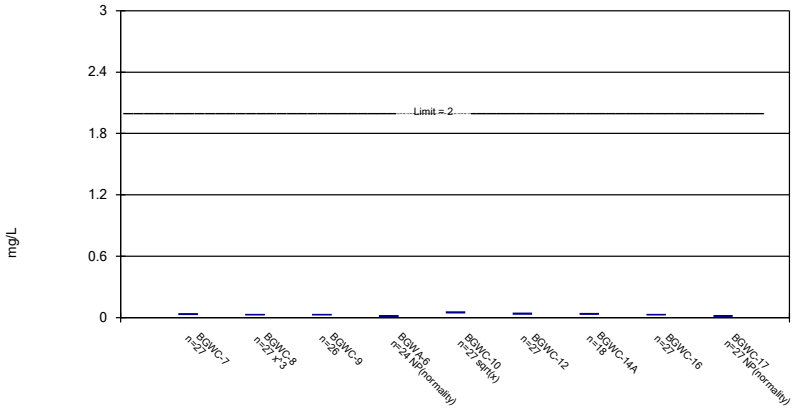
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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.



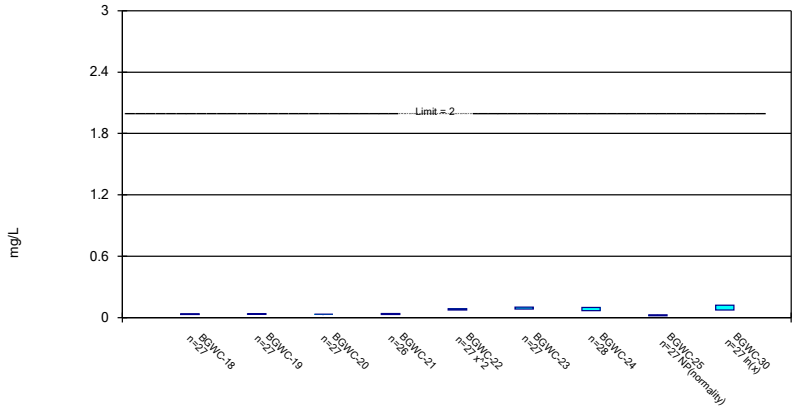
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.



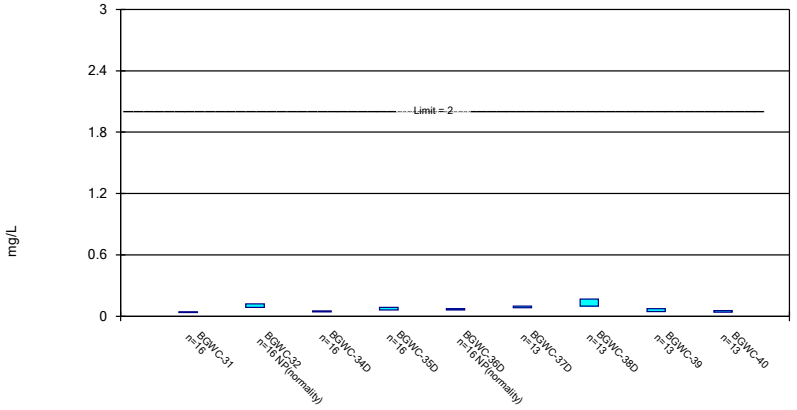
Constituent: Barium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals

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. Normality Test: Shapiro Wilk, alpha based on n.



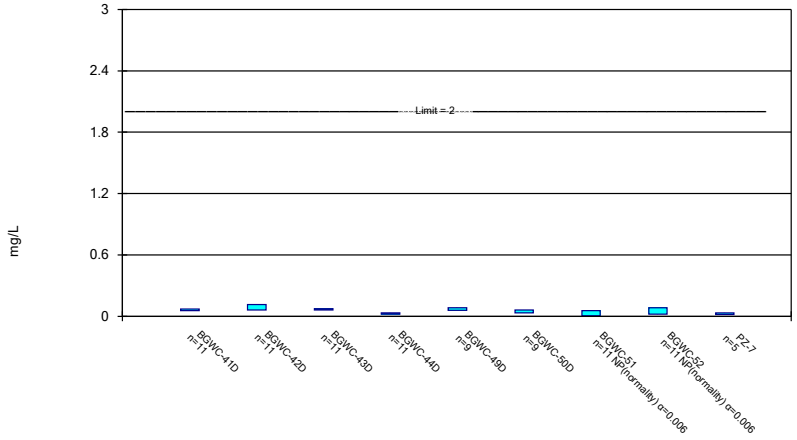
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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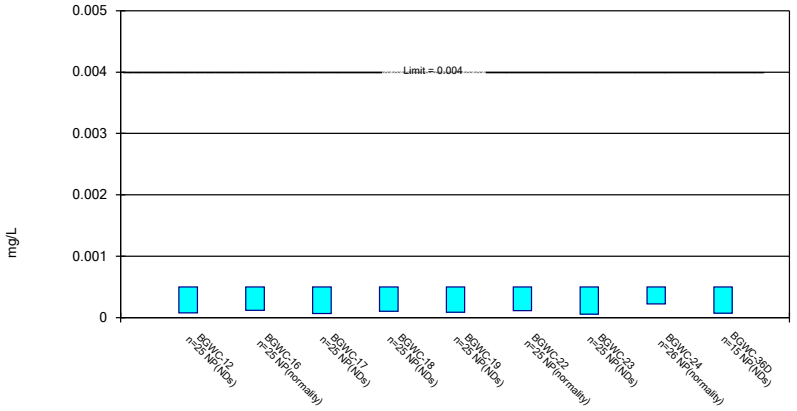
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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

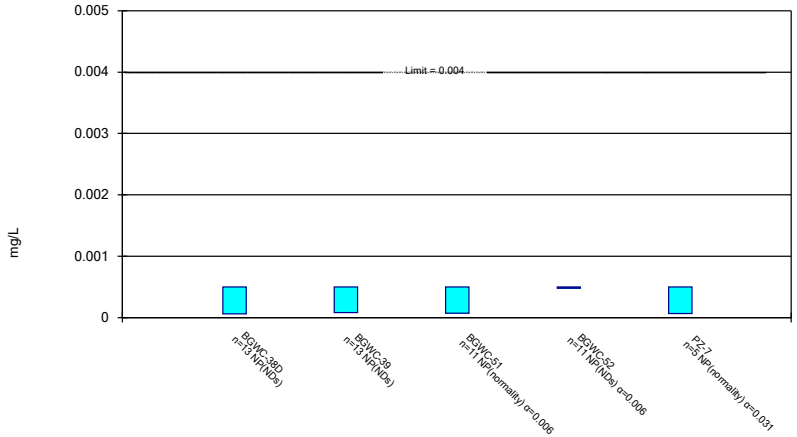


Constituent: Beryllium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

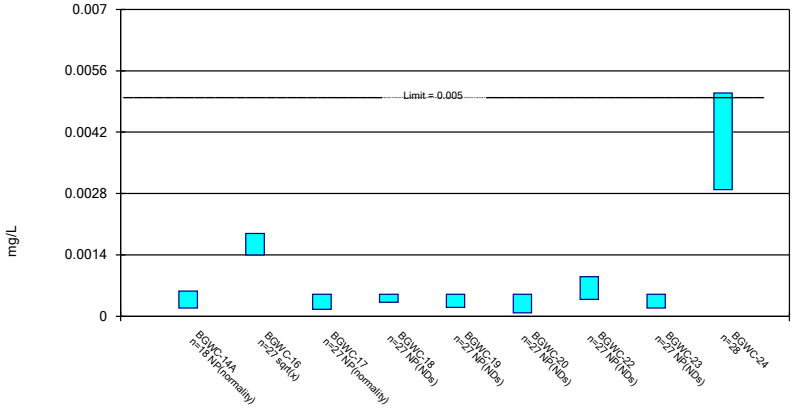


Constituent: Beryllium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

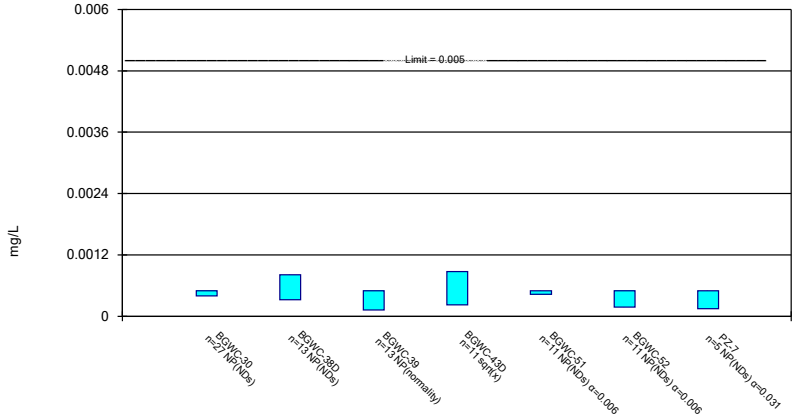


Constituent: Cadmium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

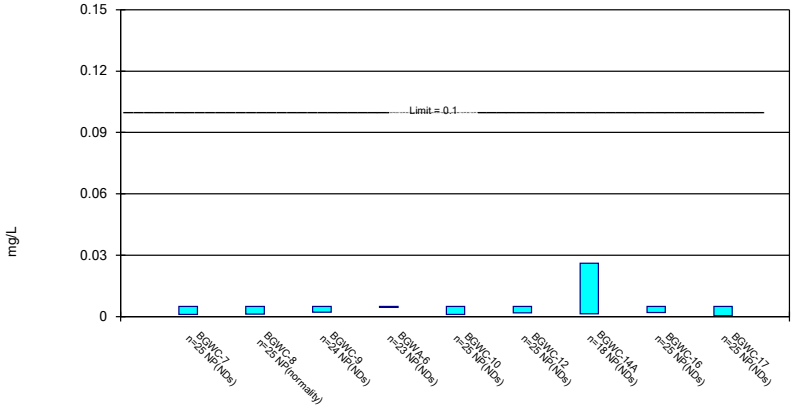


Constituent: Cadmium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

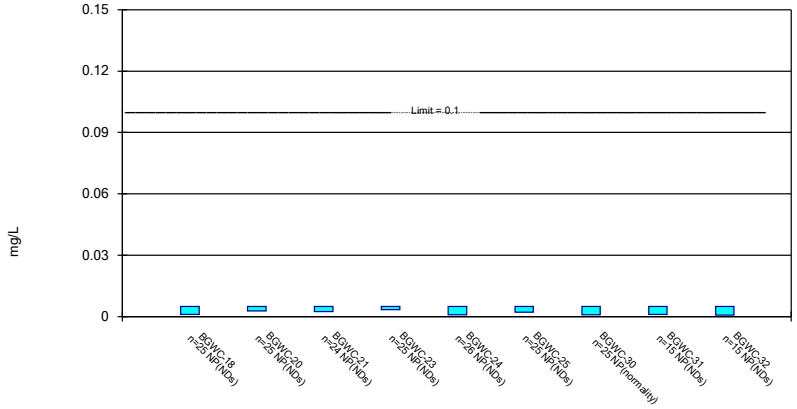


Constituent: Chromium Analysis Run 6/3/2025 12:10 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

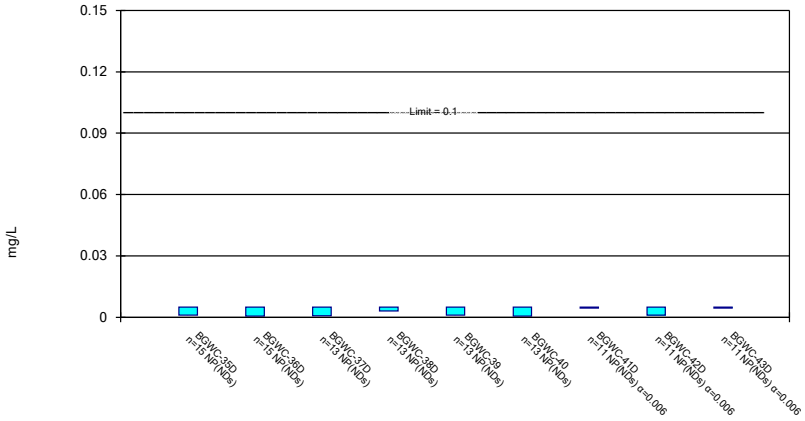


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

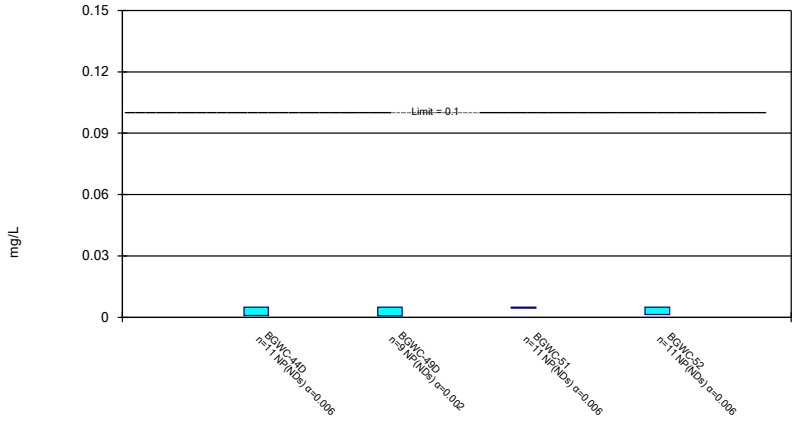


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Non-Parametric Confidence Interval

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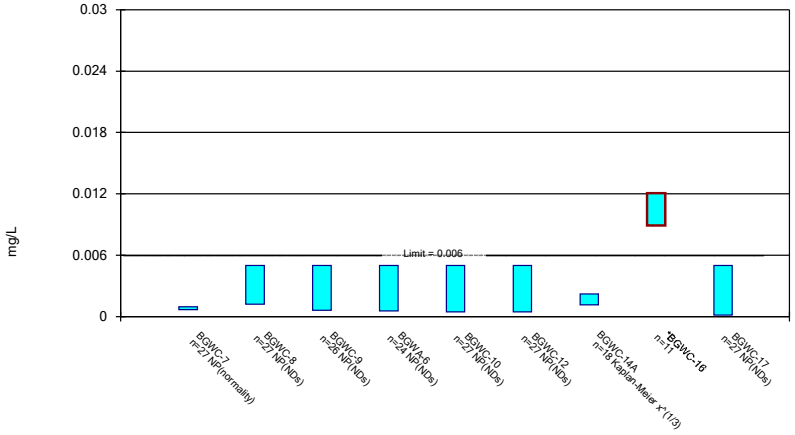


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

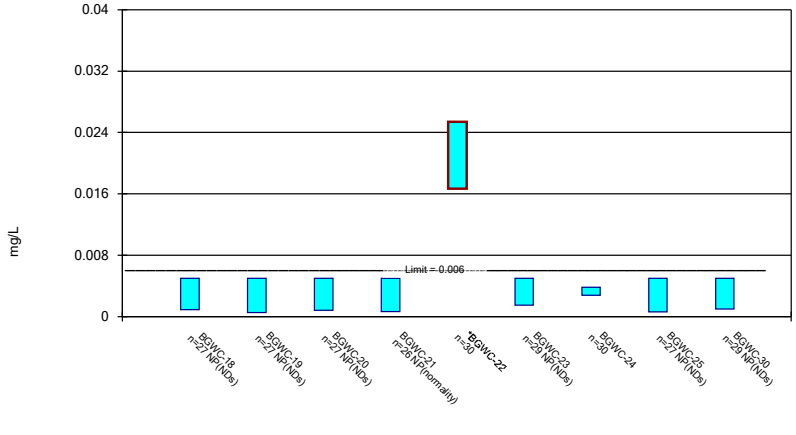


Constituent: Cobalt Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

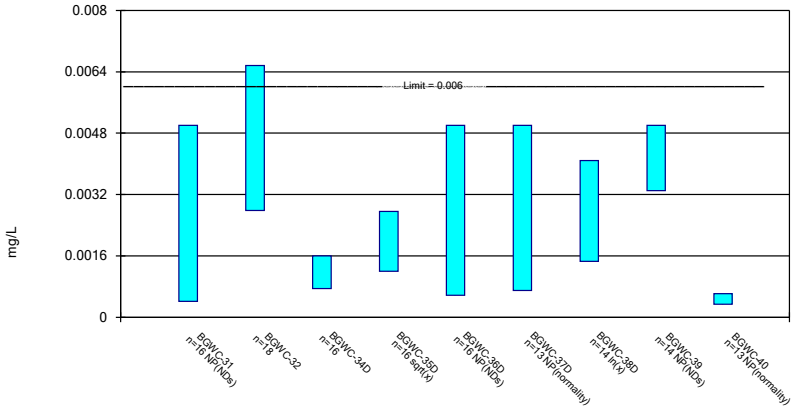


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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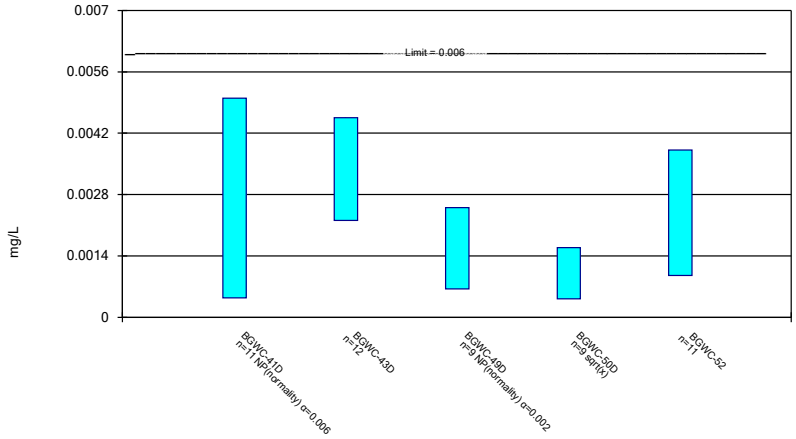


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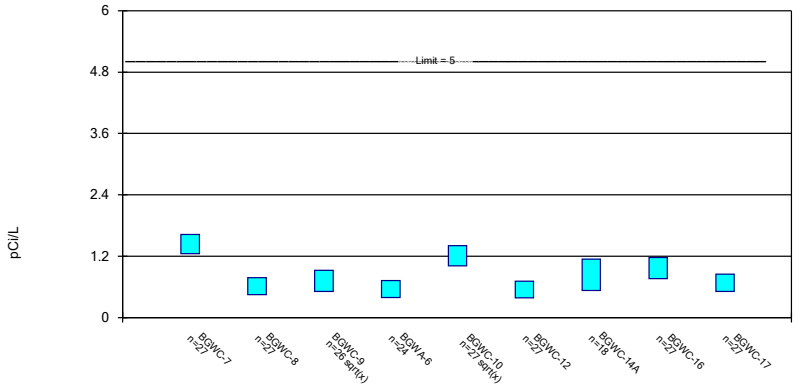


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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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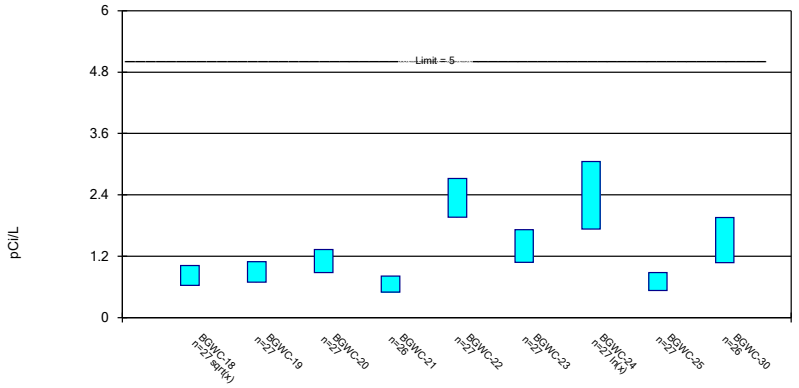


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

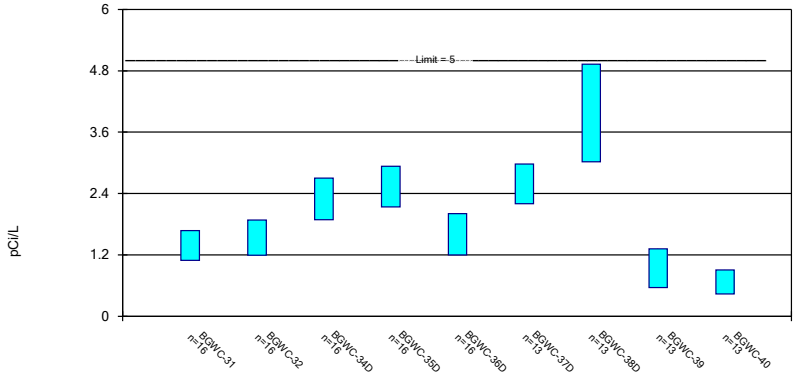


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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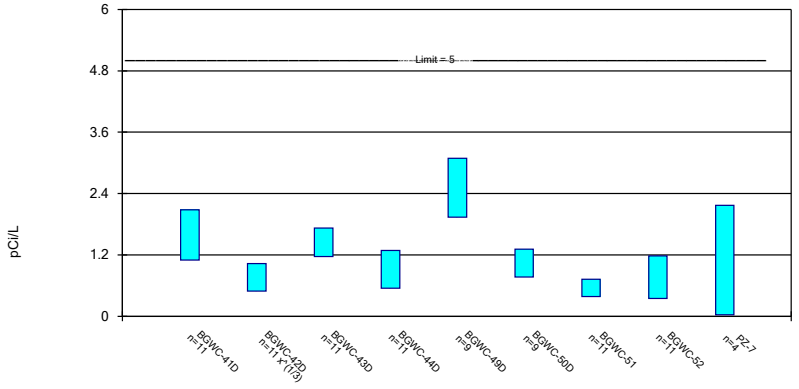


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

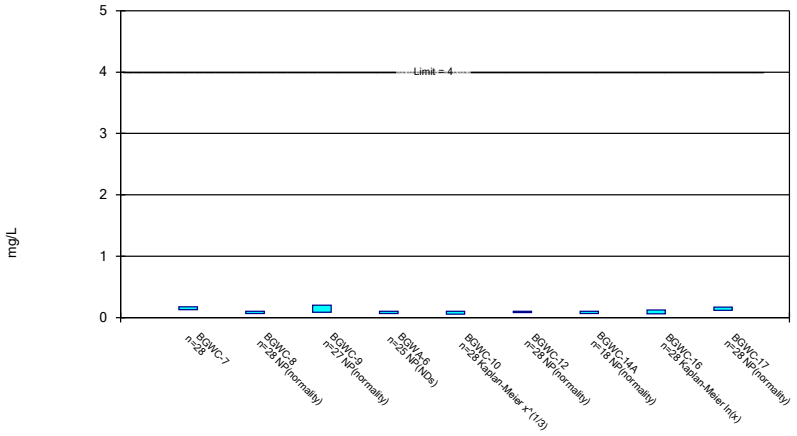


Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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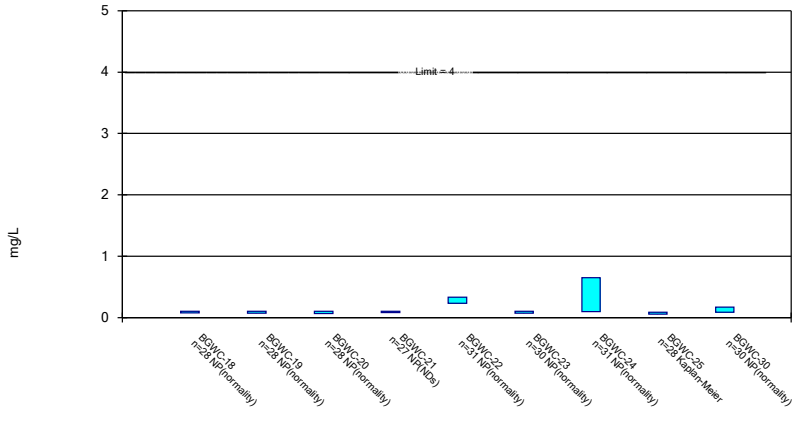


Constituent: Fluoride Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

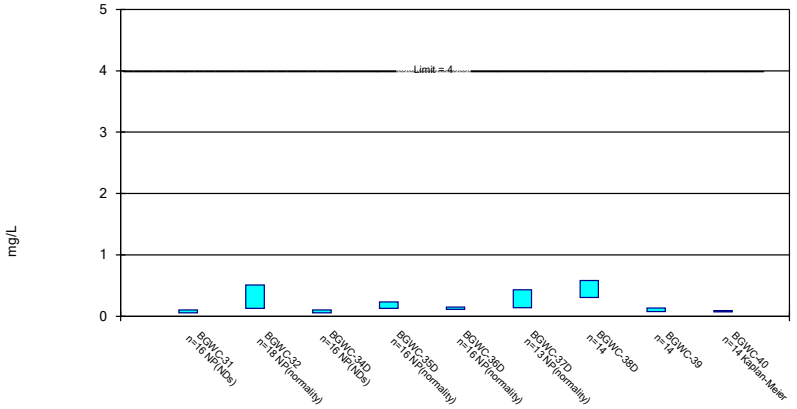


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Plant Bowen Client: Southern Company Data: Bowen AP-1

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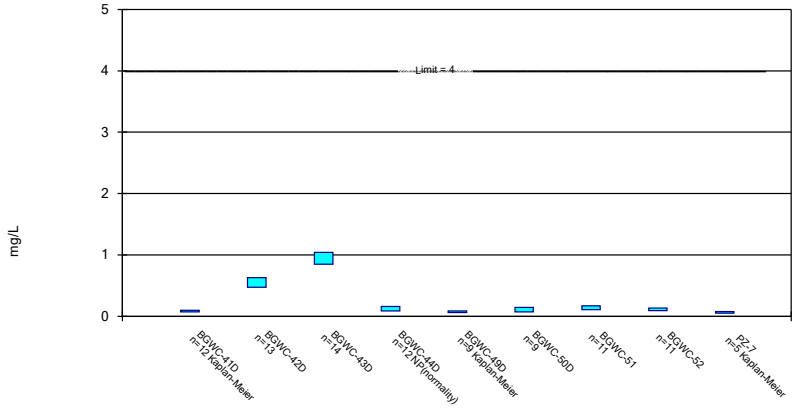


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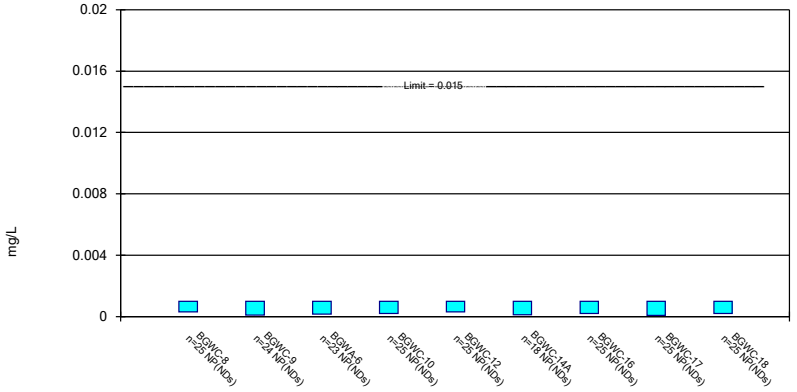


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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

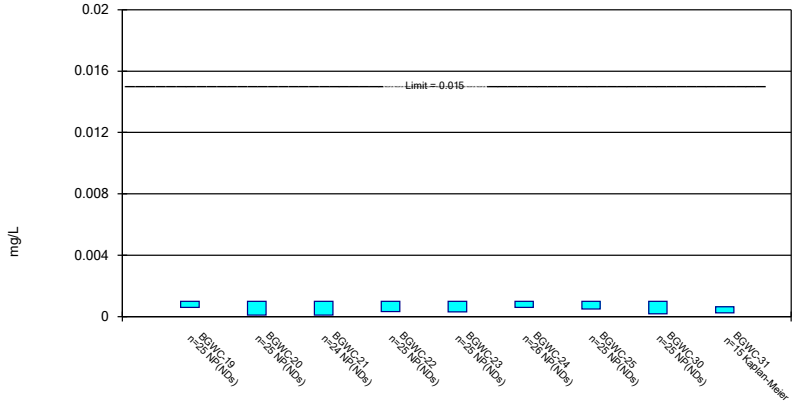


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Parametric and Non-Parametric (NP) Confidence Interval

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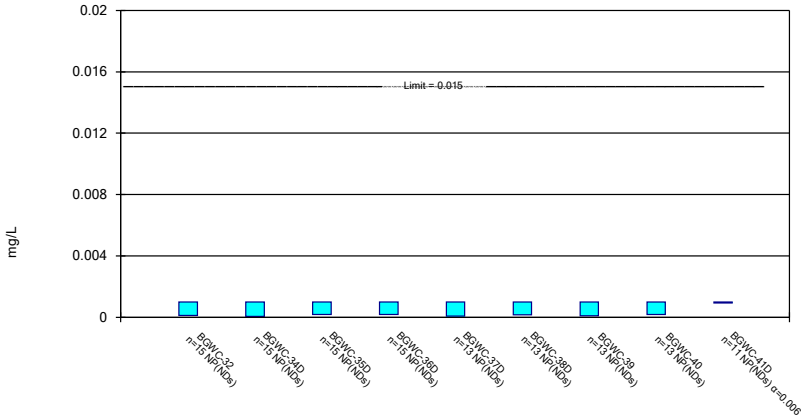


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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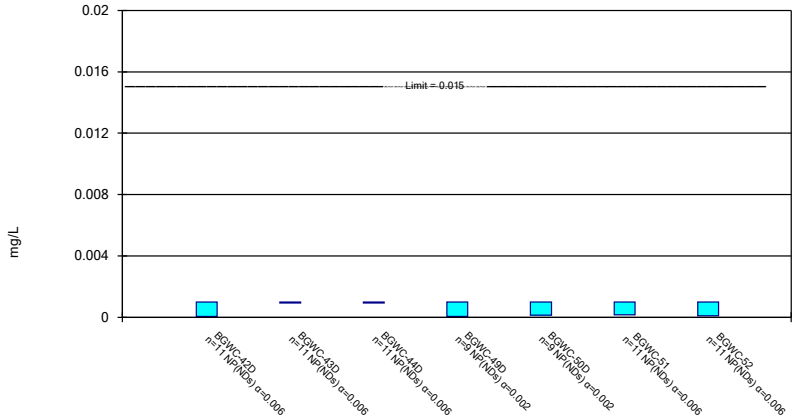


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

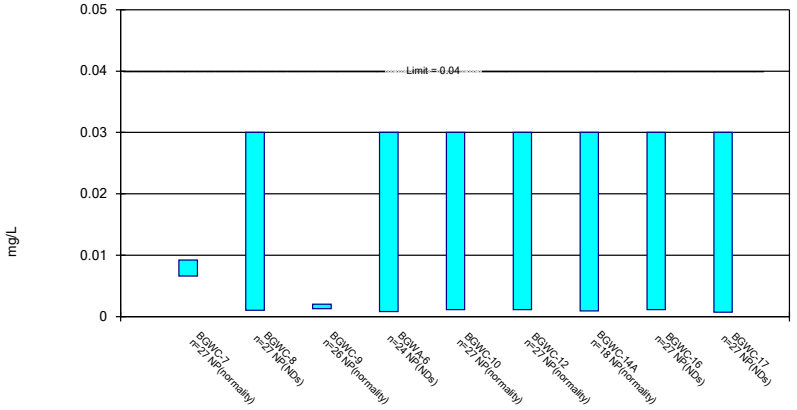


Constituent: Lead Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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Non-Parametric Confidence Interval

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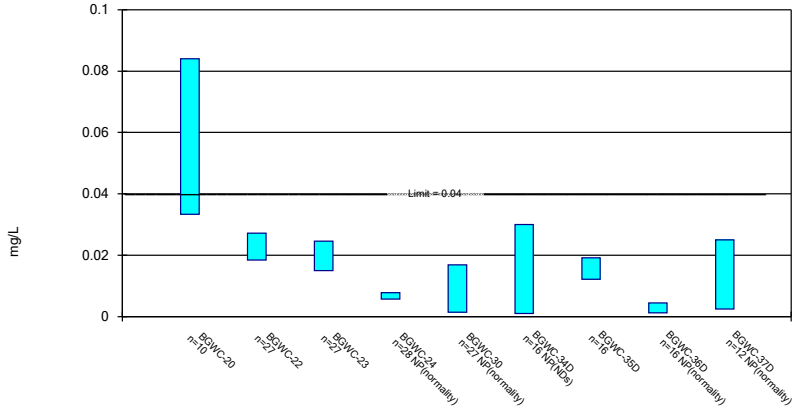


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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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.

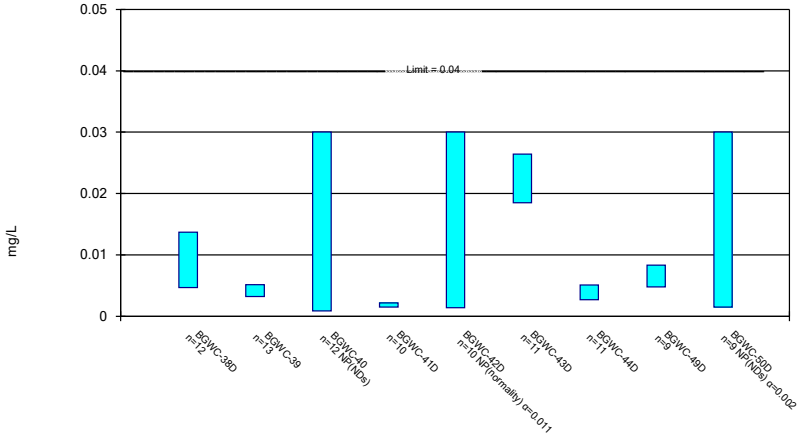


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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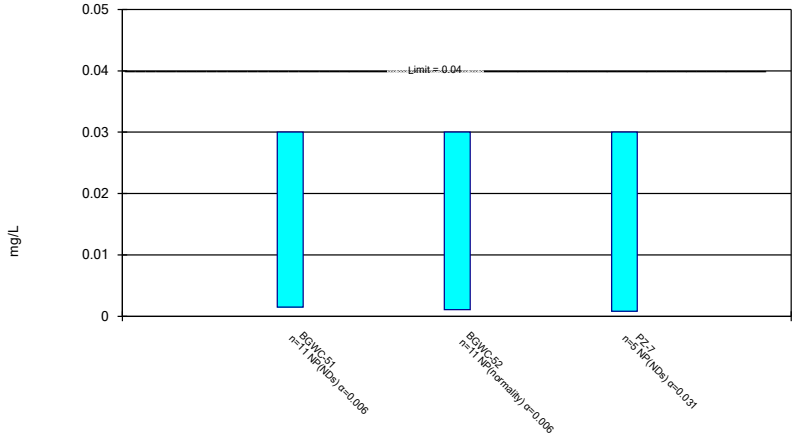


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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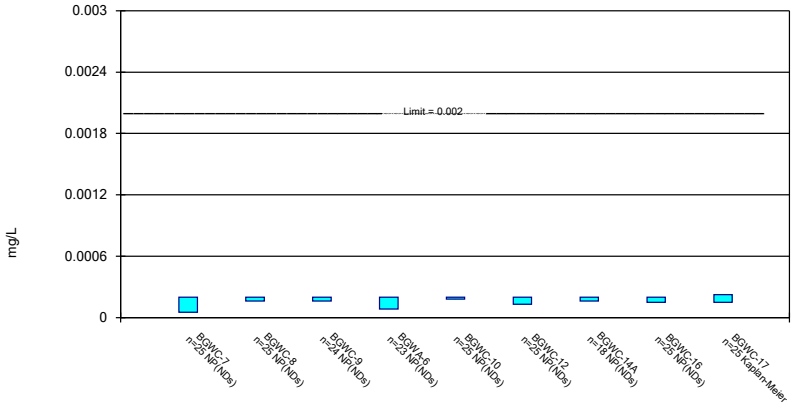


Constituent: Lithium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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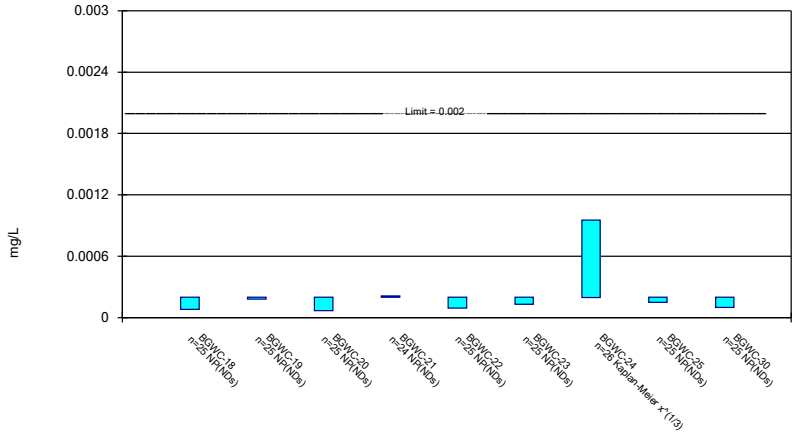


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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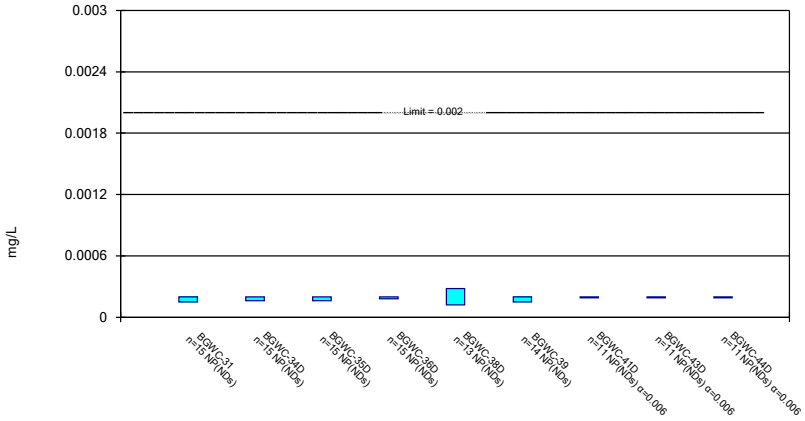


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

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Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

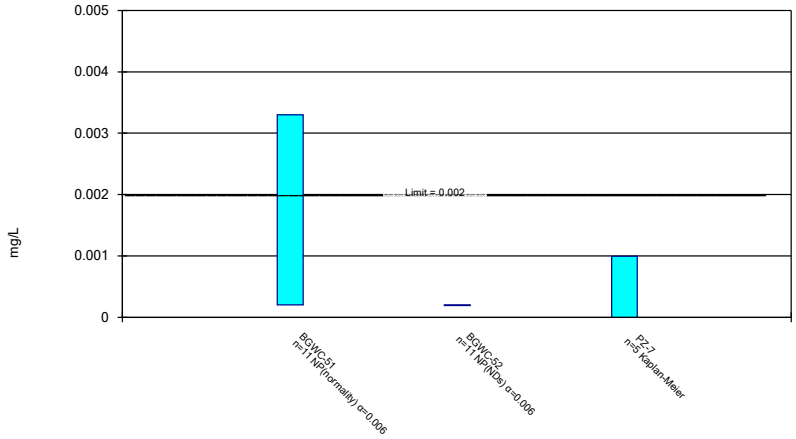


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

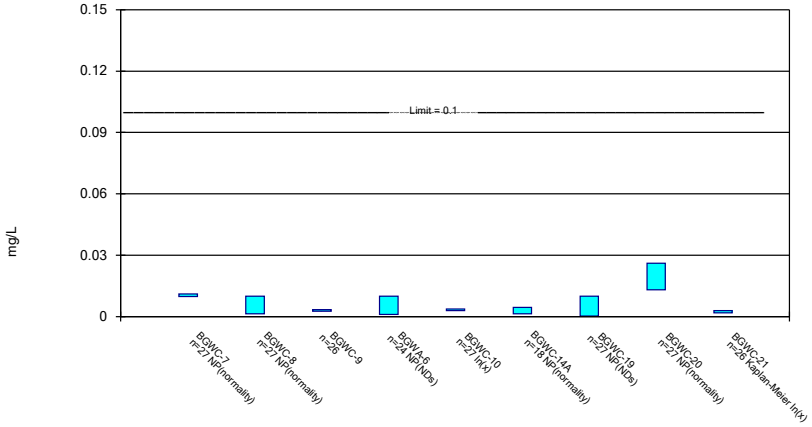


Constituent: Mercury Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

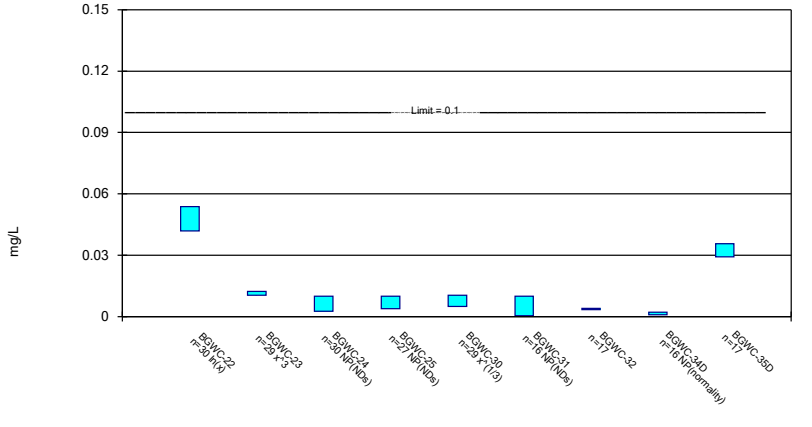


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

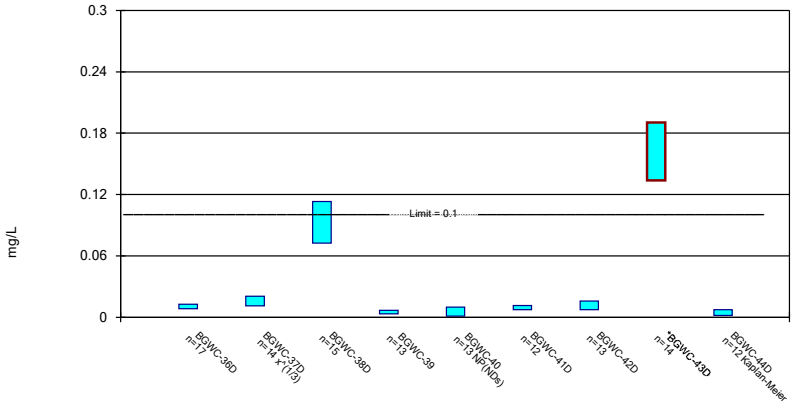


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

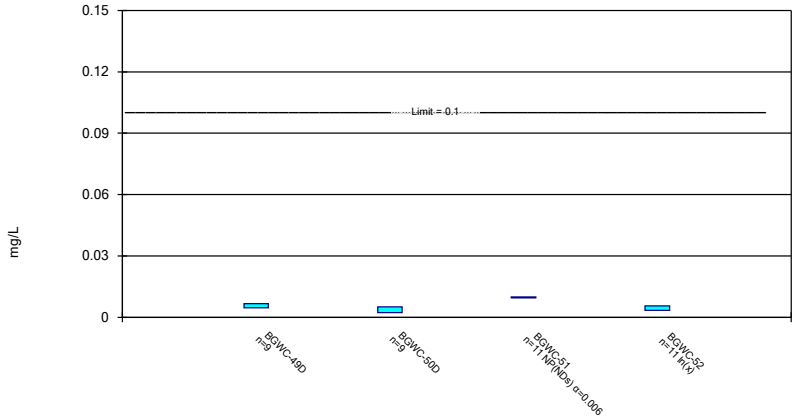


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

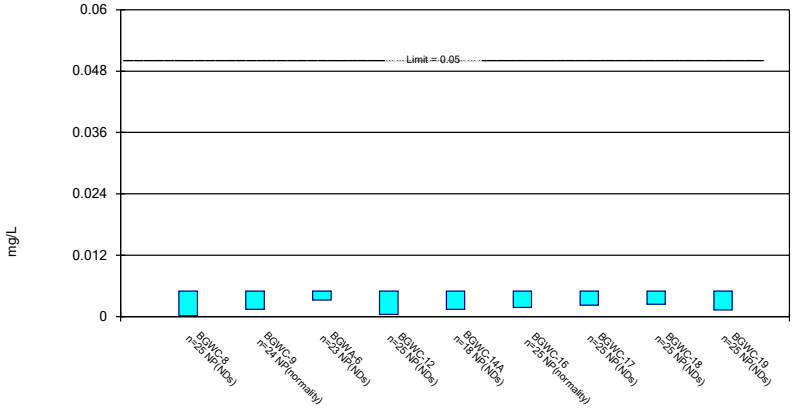


Constituent: Molybdenum Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

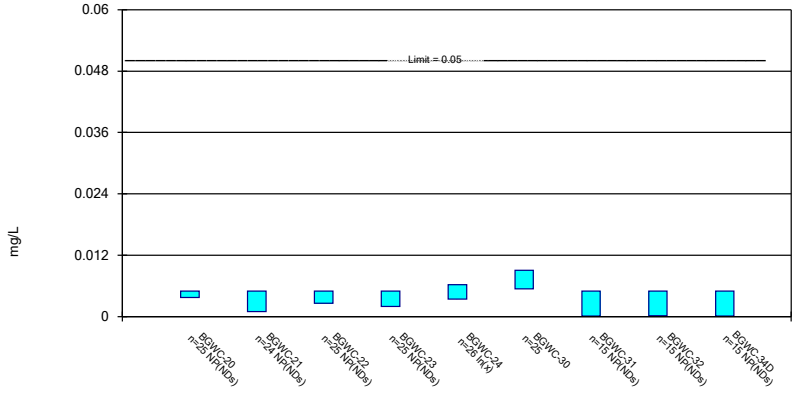


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

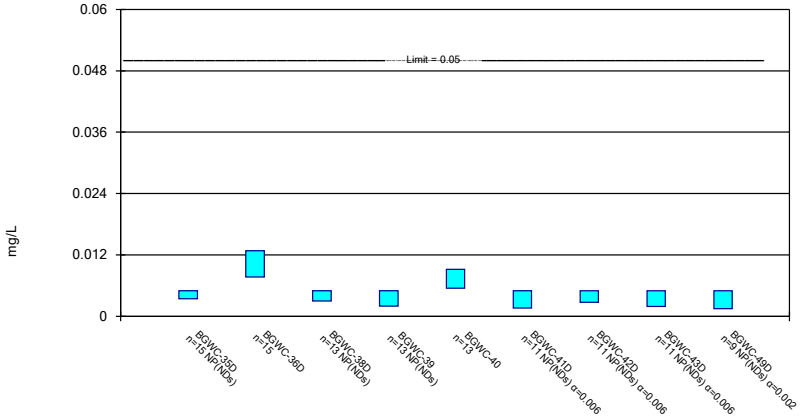


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

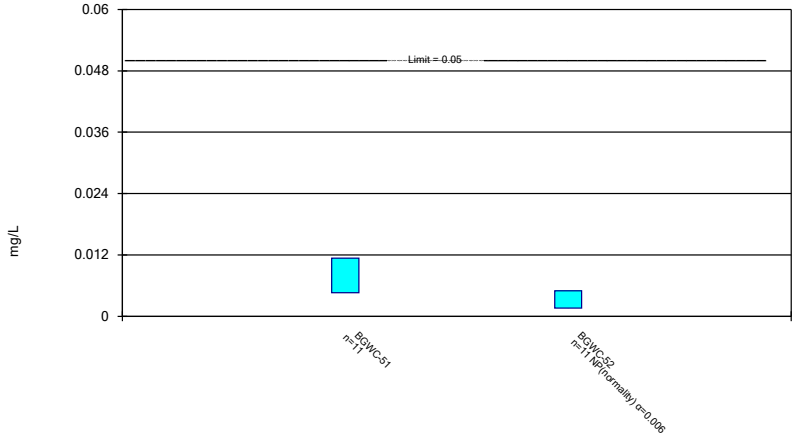


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

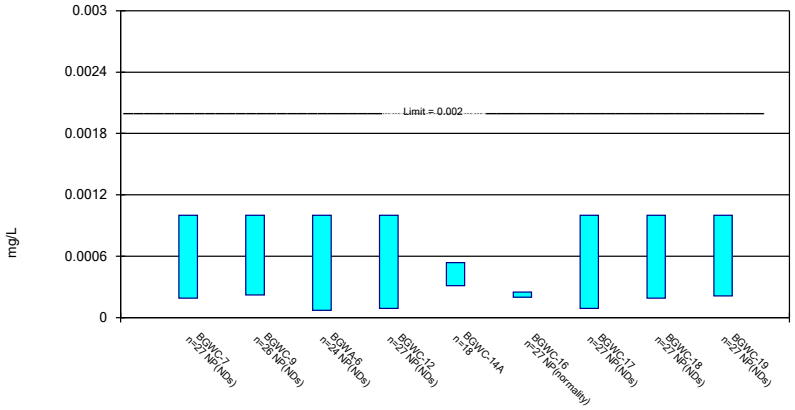


Constituent: Selenium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

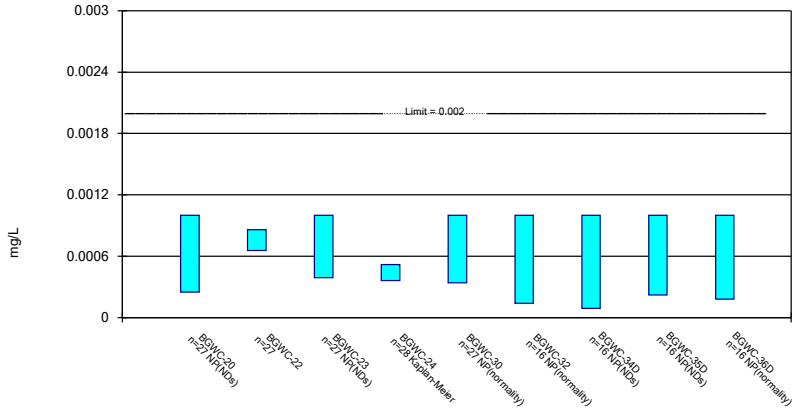


Constituent: Thallium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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.

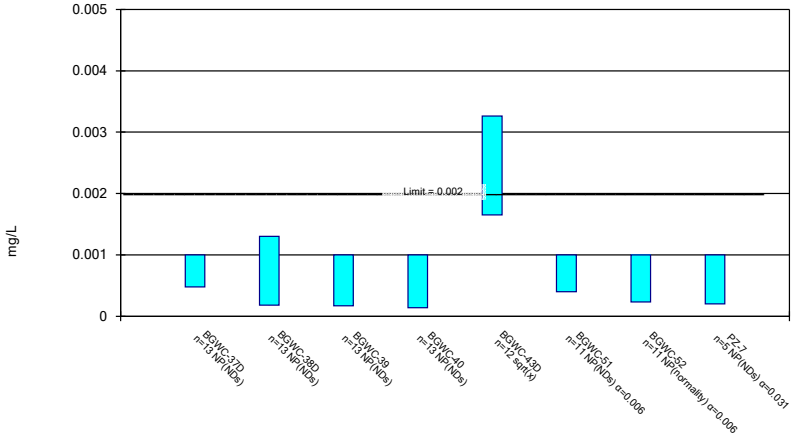


Constituent: Thallium Analysis Run 6/3/2025 12:11 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

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)		

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
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)				

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
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

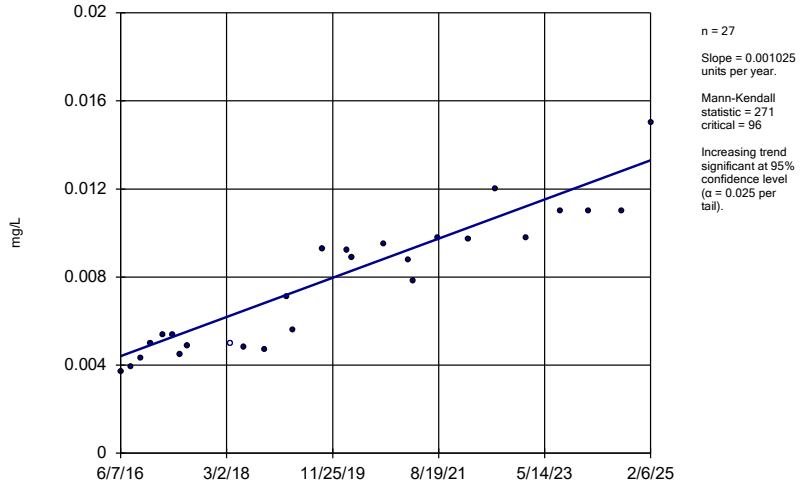
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:35 PM

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).

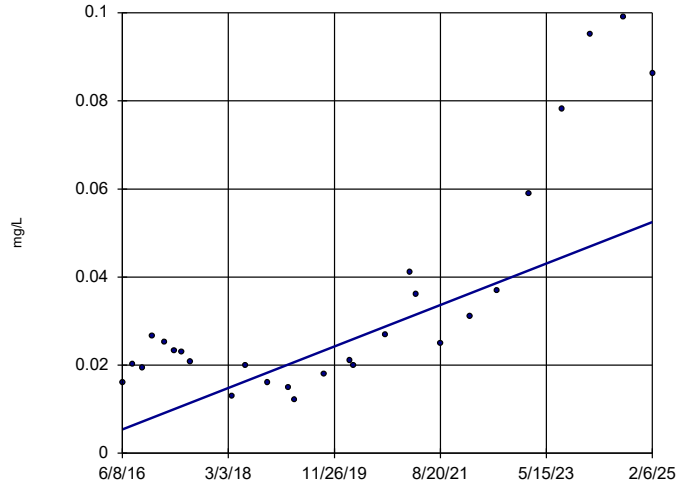
Constituent: Cobalt Analysis Run 6/3/2025 12:35 PM View: Trend Tests

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

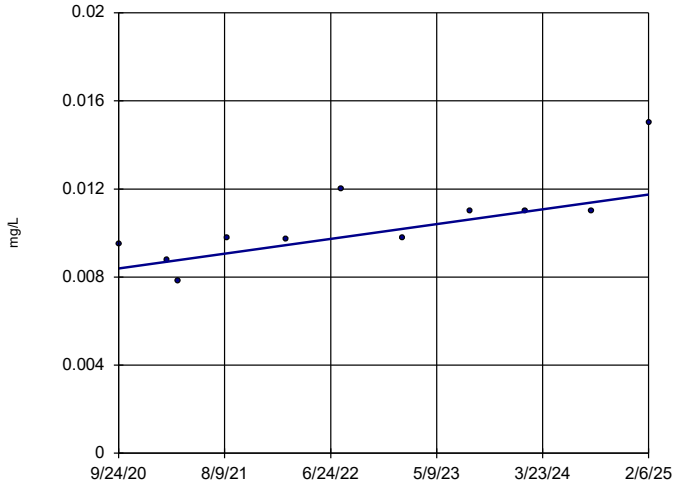
Cobalt BGWC-16 & Lithium BGWC-20 Trend Tests - Truncated Record - All/Significant Results

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**

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).

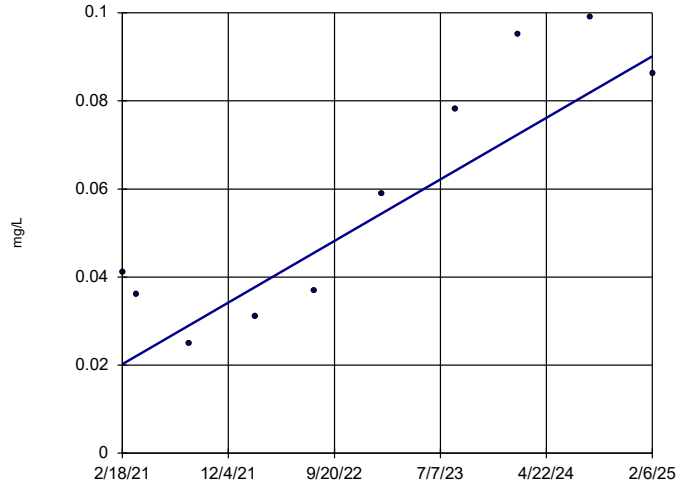
Constituent: Cobalt Analysis Run 6/3/2025 12:30 PM View: Trend Tests

Plant Bowen Client: Southern Company Data: Bowen AP-1

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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

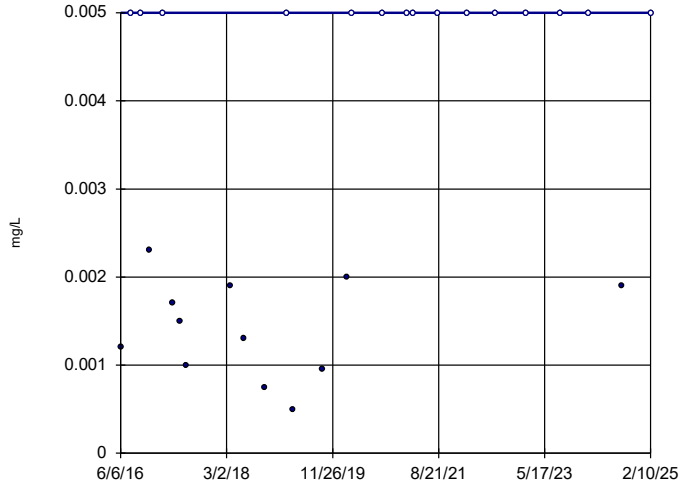
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 6/3/2025, 12:37 PM

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

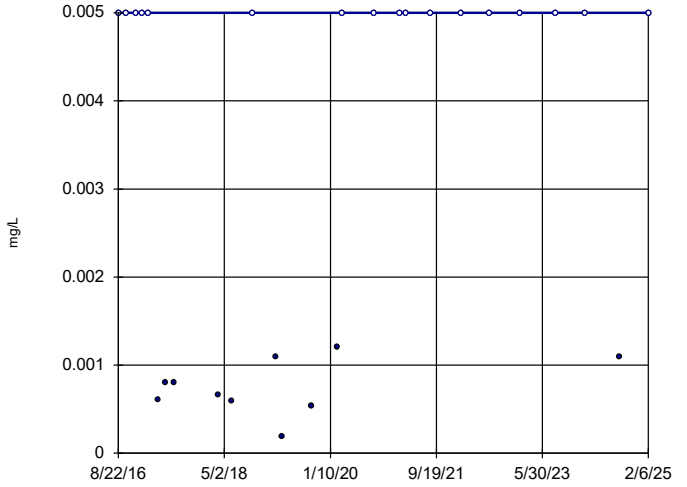
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

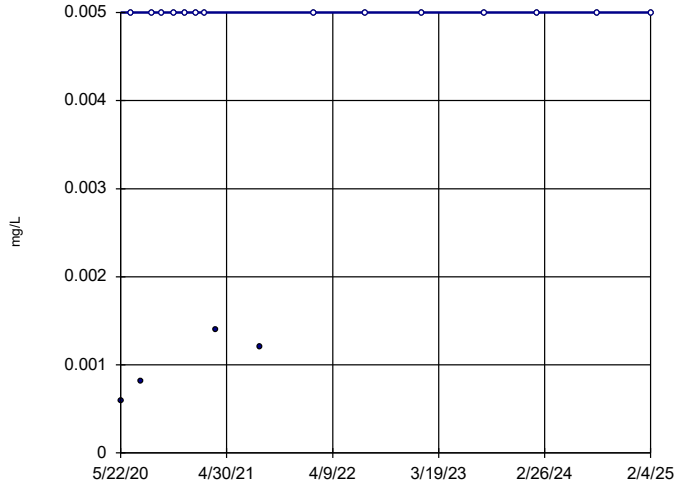
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

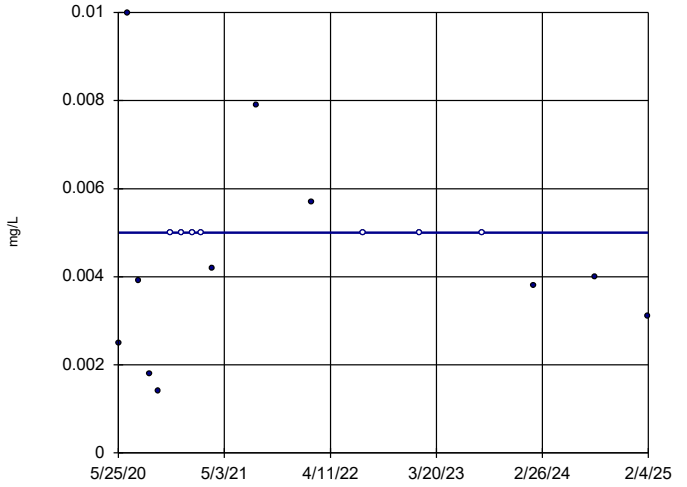
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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 = 0
critical = 53

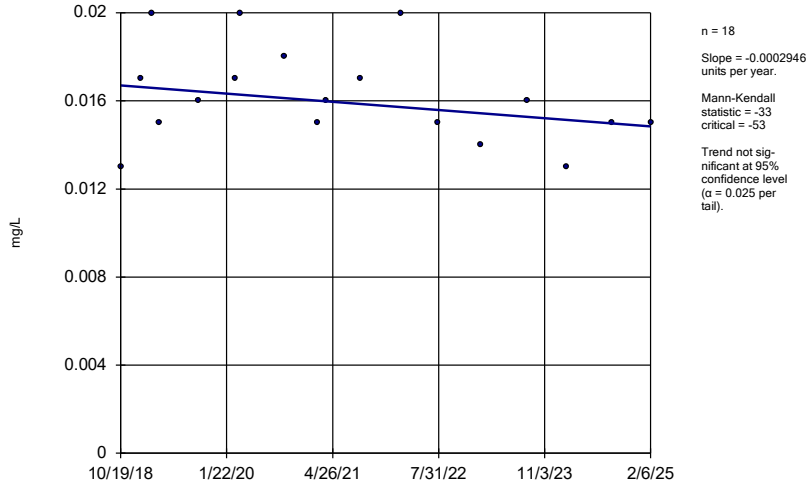
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

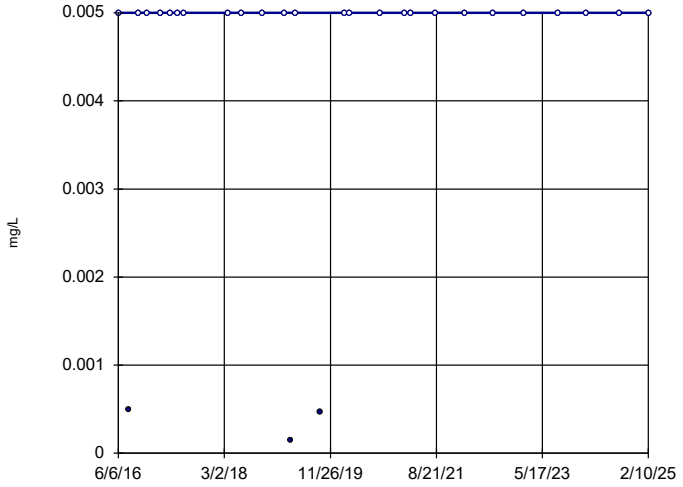
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

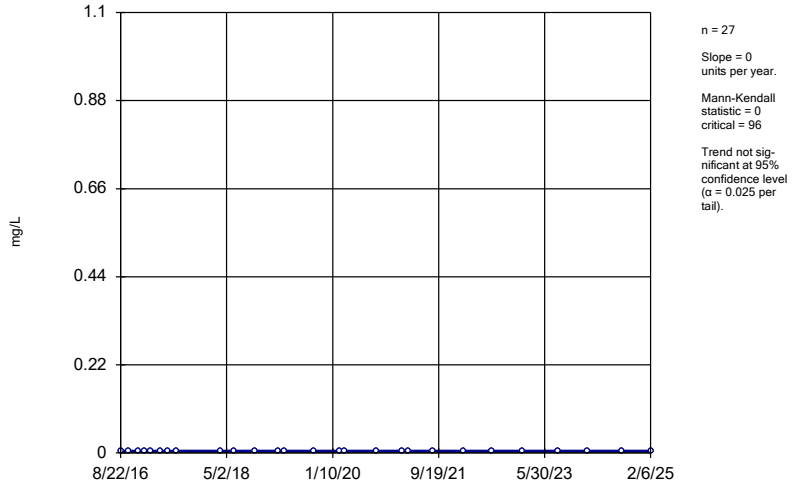
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

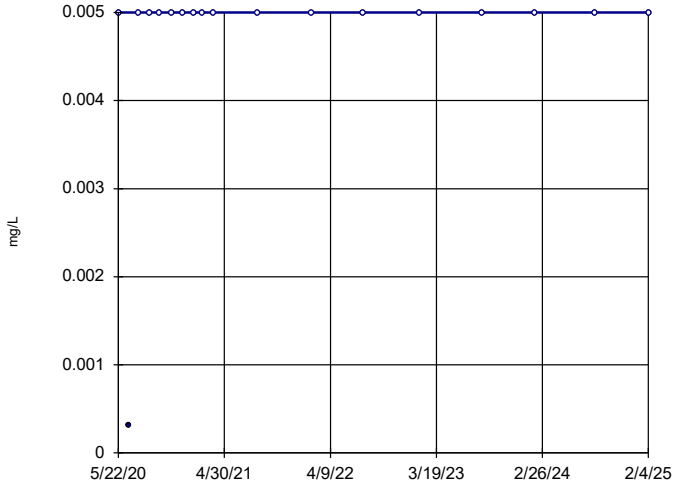
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/3/2025 12:36 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

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 = 15
critical = 53

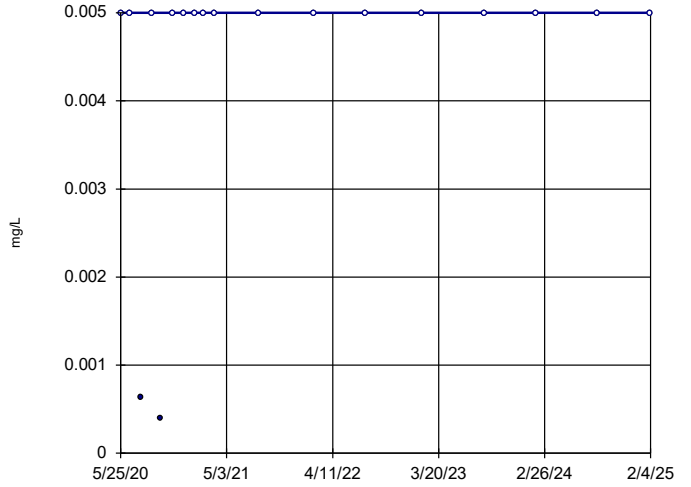
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

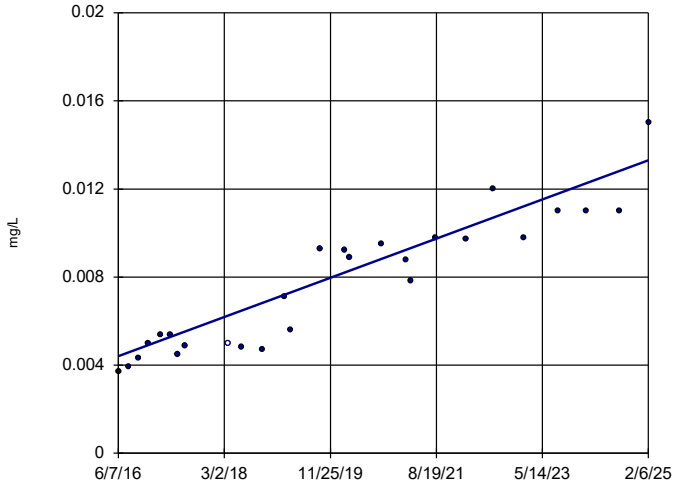
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

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

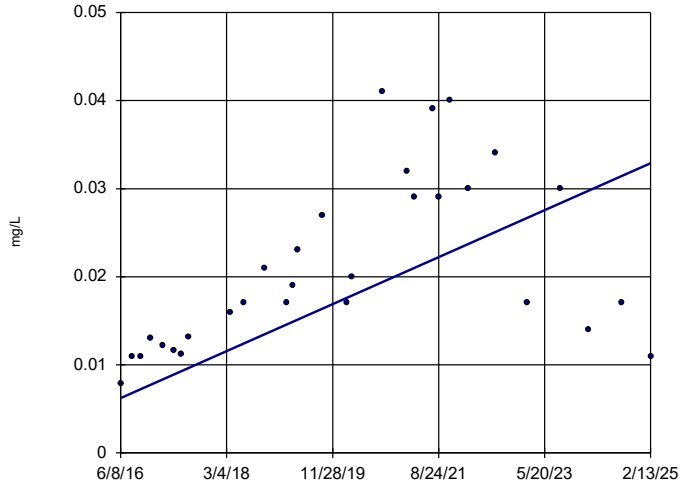
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

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

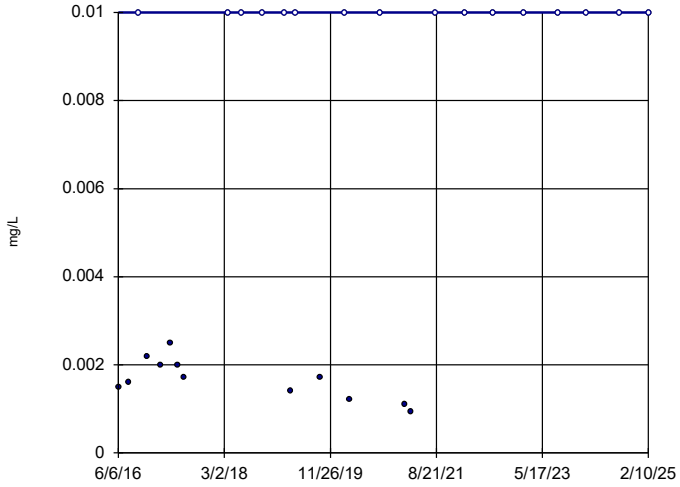
Increasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

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

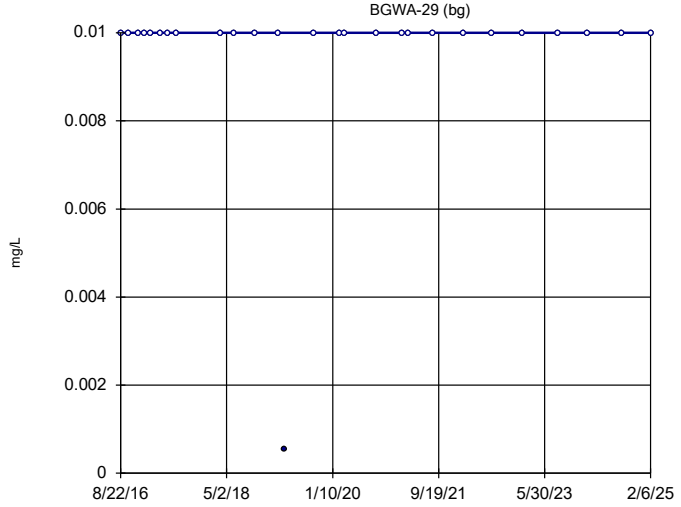
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

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

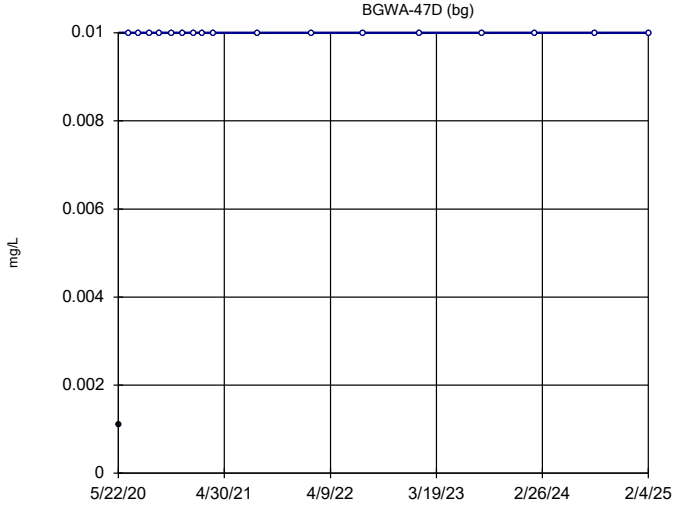
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

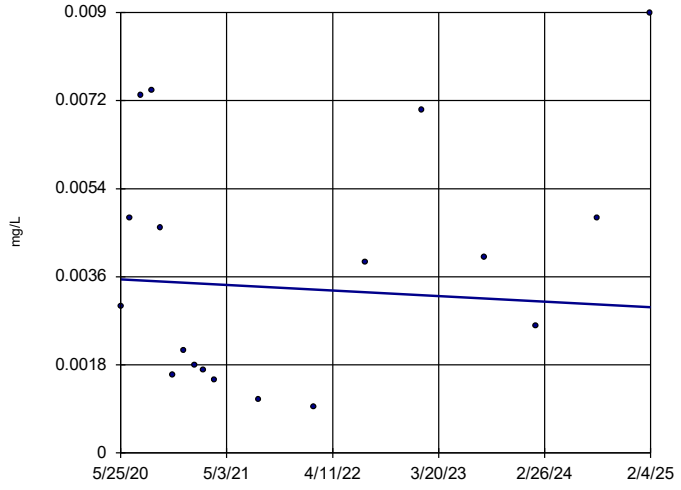
Trend not significant at 95% confidence level (α = 0.025 per tail).

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

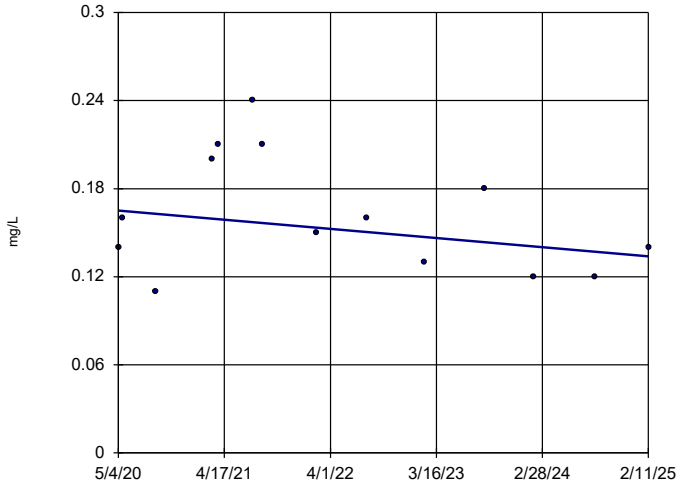
Trend not significant at 95% confidence level (α = 0.025 per tail).

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 significant 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

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

August 29, 2025

2025 Semiannual Pilot Study Progress Summary

Plant Bowen Ash Pond 1 (AP-1)

Georgia Power Company

August 29, 2025

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 *semiannual report* (Figure 4). 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) and is currently being reviewed by GA EPD. Following GA EPD's approval of the Pilot Study Workplan (Geosyntec, 2025) 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 January 1, 2025, to July 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 and included as **Appendix A**. Field forms associated with second injection will be included in the next Semiannual Pilot Study Progress Summary.

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. 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, 2025) to reflect the second injection in July 2025 and subsequent post-injection performance monitoring. As previously noted in the workplan, the total duration of monitoring may 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 (except total radium) and select metals and inorganics necessary to evaluate groundwater geochemistry. The groundwater analytical results from the post-injection performance monitoring events between May 1 and July 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**. Results received after July 31, 2025 will be summarized in 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 subsequent semiannual groundwater monitoring and corrective action reports. 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.

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, 2025. BGWC-22 Pilot Study Work Plan, Georgia Power Company, Plant Bowen Ash Pond 1 (AP-1). February 2025.

2025 Semiannual Pilot Study Progress Summary

Attachment

Tables

1) Performance Monitoring Program Summary

2) Pilot Study Groundwater Analytical Data Summary

Figures

1) Time series

Appendices

A) Pilot Study Post-Injection Event Report

B) Field Forms

C) Lab 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 may be 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 4	Month 5	Month 6	2026Q2	2026Q3	2026Q4	2027Q1
APPENDIX III	Boron	EPA 6010B/6020B	--	Second injection	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Calcium	EPA 6010B/6020B	--		X	X	X	X	X	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	X	X	X	X	X
	Fluoride	300.0/300.1/9214/9056A	--		X		X		X	X	X	X	X	X	X	X	X	X
	pH	150.1 field	--		X		X		X	X	X	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	X	X	X	X	X
	TDS	160/2540C	--		X		X		X	X	X	X	X	X	X	X	X	X
APPENDIX IV	Antimony	EPA 7040/7041/6010D/6020B	0.006		X		X		X	X	X	X	X	X	X	X	X	X
	Arsenic	EPA 7060A/7061A/6010D/6020B	0.01		X		X		X	X	X	X	X	X	X	X	X	X
	Barium	EPA 7080A/7081/6010D/6020B	2		X		X		X	X	X	X	X	X	X	X	X	X
	Beryllium	EPA 7090/7091/6010D/6020B	0.004		X		X		X	X	X	X	X	X	X	X	X	X
	Cadmium	EPA 7130/7131A/6020B	0.005		X		X		X	X	X	X	X	X	X	X	X	X
	Chromium	EPA 7190/7191/6010D/6020B	0.1		X		X		X	X	X	X	X	X	X	X	X	X
	Cobalt	EPA 7200/7201/6010D/6020B	0.006		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluoride	300.0/300.1/9214/9056A	4		X		X		X	X	X	X	X	X	X	X	X	X
	Lead	EPA 6010B/6020B	0.015		X		X		X	X	X	X	X	X	X	X	X	X
	Lithium	EPA 6010D/6020B	0.04		X		X		X	X	X	X	X	X	X	X	X	X
	Mercury	EPA 7470	0.002		X		X		X	X	X	X	X	X	X	X	X	X
	Molybdenum	EPA 6010D/6020B	0.1		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Selenium	EPA 7740/7741A/6010D/6020B	0.05		X		X		X	X	X	X	X	X	X	X	X	X
	Thallium	EPA 7840/7841/6010D/6020B	0.002		X		X		X	X	X	X	X	X	X	X	X	X
GEOCHEM	Bicarbonate Alkalinity	SM2320B-2011	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Total Alkalinity	SM2320B-2011	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Iron	EPA 7190/7191/6010D/6020B	--		X	X	X	X	X		X			X	X	X	X	X
	Magnesium	EPA 7200/7201/6010D/6020B	--		X	X	X	X	X		X			X	X	X	X	X
	Manganese	EPA 7190/7191/6010D/6020B	--		X		X		X		X			X	X	X	X	X
	Potassium	EPA 7200/7201/6010D/6020B	--		X	X	X	X	X		X			X	X	X	X	X
	Sodium	EPA 7200/7201/6010D/6020B	--		X	X	X	X	X		X			X	X	X	X	X
	Sulfide	SM4500-S2D	--		X		X		X		X			X	X	X	X	X
FIELD	Temperature	--	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	pH	--	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ORP	--	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Turbidity	--	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Specific Conductance	--	--		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Dissolved Oxygen	--	--		X	X	X	X	X	X	X	X	X	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.

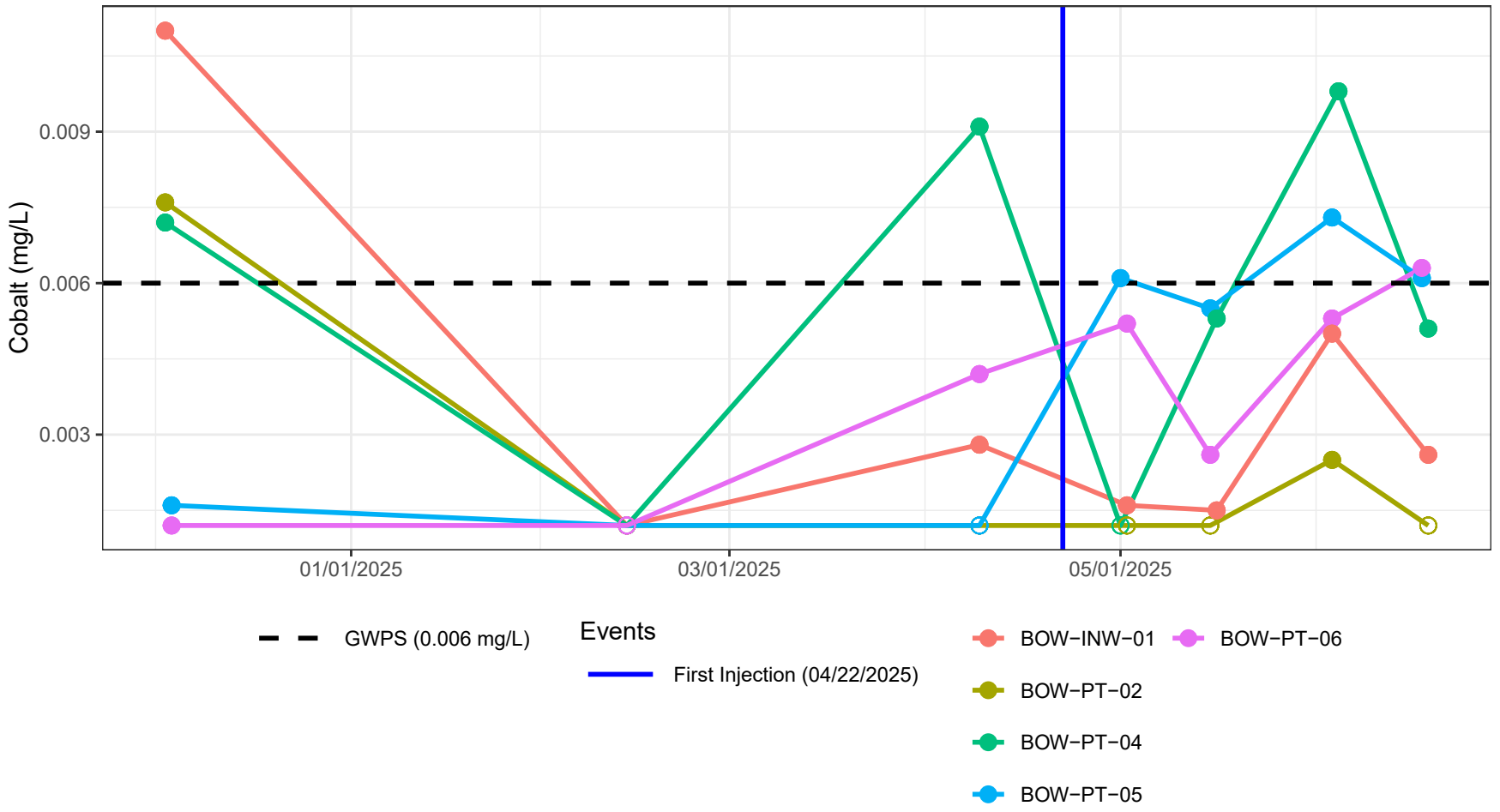
(3) Baseline and post-injection sampling includes temporary corrective action piezometers NW-01, PT-02, PT-04, PT-05, and PT-06.

(4) The total duration of monitoring may be 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 independ

FIGURES

Time Series



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.

TIME SERIES − BGWC−22 PILOT STUDY AREA
GEORGIA POWER COMPANY
PLANT BOWEN AP1
EUHARLEE, BARTOW COUNTY, GEORGIA

Georgia Power

AUGUST 2025

APPENDIX A

Pilot Study Post-Injection Report

Prepared for



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

PILOT STUDY POST-INJECTION EVENT REPORT

PILOT TEST NO. UPT000084
PLANT BOWEN ASH POND 1 (AP-1)

Prepared by



engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581H

June 2025

Geosyntec
consultants

CERTIFICATION STATEMENT

I hereby certify that this *Pilot Study Post-Injection Event Report* was prepared by, or under the direct supervision of, a Qualified Groundwater Scientist, in accordance with the Georgia Environmental Protection Division Rules of Solid Waste Management. According to 391-3-4-.01, a Qualified Groundwater Scientist is "a professional engineer or geologist registered to practice in Georgia who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields that enable individuals to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action." The design presented within this workplan was developed in compliance with the Georgia Rules of Solid Waste Management, Chapter 391-3-4.10.



_____ June 6, 2025

Whitney B. Law — Date

Georgia Professional Engineer No. 36641

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3. BASELINE CHARACTERIZATION 4
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Table 3 Summary of Daily Injection Volumes

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Figure 1 Site Location Map
Figure 2 Pilot Study Well Locations

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Appendix A Ash Pond Monitoring Well Certification Report – Addendum No 9, Plant Bowen Ash Pond 1 (AP-1)
Appendix B Baseline Analytical Laboratory Results and Field Sampling Forms
Appendix C Injection Field Forms

LIST OF ACRONYMS

AP-1	Ash Pond 1
CCR	coal combustion residual
CFR	Code of Federal Regulations
Co	cobalt
DO	dissolved oxygen
gal	gallon
gpd	gal per day
gpm	gal per minute
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GWPS	Groundwater Protection Standard
IBC	Intermediate Bulk Containers
MNA	monitored natural attenuation
$NaHCO_3$	Sodium Bicarbonate
g/L	grams per liter
ORP	oxidation-reduction potential
Pace Analytical	Pace Analytical Services, LLC
psi	pounds per square inch
ROI	radius of influence
SSL	statistically significant level
UIC	Underground Injection Control
US EPA	United States Environmental Protection Agency

1. BACKGROUND AND OBJECTIVES

This *Pilot Study Post-Injection Event Report* (Report) was developed by Geosyntec Consultants, Inc. (Geosyntec) and submitted to the Georgia Environmental Protection Division (GA EPD), on behalf of Georgia Power Company (Georgia Power). In-situ geochemical injections, coupled with monitored natural attenuation (MNA), have been proposed as corrective measures to address concentrations of cobalt (Co) reported at statistically significant levels (SSLs) above Groundwater Protection Standards (GWPS) in detection monitoring well BGWC-22 at Georgia Power Plant Bowen Ash Pond 1 (AP-1; Site).

The design of in-situ geochemical injection corrective measures includes multiple assessment and design components, including pilot studies to evaluate injection delivery and the performance of injectates prior to implementing a full-scale remedy. This pilot test will collect data that will be used to evaluate:

1. Radius of influence (ROI) of the injected amendment to evaluate future injection well spacing requirements;

2. Sustainable injection pressure and flowrate;

3. Injectate dosing and efficacy of treating Co in groundwater to below the GWPS;

4. Potential unintended impacts of injections, such as release of Appendix VI constituents bound in the aquifer matrix to levels above the GWPS due to injections; and

5. Longevity of the injected treatment.

This Report summarizes pilot study field activities completed from April 22, 2025, through April 27, 2025. These field activities were conducted in accordance with the *BGWC-22 Pilot Study Workplan* (referred to herein as "Workplan") (Geosyntec, 2025b) and the Underground Injection Control (UIC) Pilot Test Notification Form approved by GA EPD's Solid Waste Management and UIC Programs on March 14 and 11, 2025, respectively.

1.1 SITE BACKGROUND

Plant Bowen, shown on **Figure 1**, is located 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. The physical address of the plant is 317 Covered Bridge Rd SW, Euharlee, Georgia, 30120.

AP-1 has historically received and stored coal combustion residual (CCR) material over the course of power generation at Plant Bowen. AP-1 occupies an area of approximately 254 acres on the western portion of the Plant Bowen property. 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. AP-1 closure activities, consisting of closure by removal, have been initiated under GA EPD's approved closure permit No. 008-021D(CCR).

A Co SSL was identified at detection well BGWC-22 along the western boundary of AP-1 (**Figure 2**) as part of the assessment monitoring program. The SSL has been horizontally and vertically delineated to levels below the GWPS (Geosyntec, 2024).

2. WELL INSTALLATION

One temporary injection well (INW-01) and three temporary corrective action performance monitoring piezometers (PT-04 through PT-06) were installed in November 2024 in accordance with the Workplan. Well locations are shown on **Figure 2** and well construction details are provided in **Table 1**. A copy of the *Ash Pond Monitoring Well Certification Report – Addendum No* 9 (Geosyntec, 2025a), detailing the design, installation, and development of these wells is included in **Appendix A**.

3. BASELINE CHARACTERIZATION

Groundwater samples were collected from the injection well and performance monitoring wells to establish pre-injection baseline conditions.

Groundwater samples and water quality field parameters (i.e., pH, conductivity, dissolved oxygen [DO], temperature, and oxidation-reduction potential [ORP]) were collected using low-flow sampling procedures in accordance with the current AP-1 *Groundwater Monitoring Plan* (Geosyntec, 2021) and the Workplan. Groundwater samples were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace Analytical) in Peachtree Corners, Georgia, following chain-of-custody protocol. Samples were analyzed for Appendix III and IV constituents, select geochemical parameters, and metals in accordance with the Workplan to support evaluation of the pilot study objectives. The results for the December 2024, February 2025, and April 2025 sampling events are presented in **Table 2**. The analytical laboratory results and field sampling and equipment calibration forms are provided in **Appendix B**.

4. INJECTION ACTIVITIES

Injection activities were performed April 22 – 27, 2025. Staging and mixing areas were established prior to injection, in accordance with the approved Workplan. One 275-gallon (gal) Intermediate Bulk Container (IBC) was set up as the mixing tank within a secondary containment unit. Injectate consisted of Sodium Bicarbonate ($NaHCO_3$) obtained from TerraSystems, Inc. mixed with on-site potable water designated in the Workplan.

Prior to injectate application, a water test was performed by injecting one batch (250 gal) of potable water to examine injection system functionality, eliminate potential leakage at system connections, and assess hydraulic and geochemical responses at surrounding performance monitoring wells.

Pre-determined quantities of $NaHCO_3$ were measured on a digital scale and combined with potable water in mixing tank. The injectate was mixed using a recirculation pump prior to injection in accordance with the Workplan. Injectate batches consisted of 3 – 6 grams per liter (g/L) $NaHCO_3$, which is below the maximum allowable injectate concentration of 75 g/L $NaHCO_3$ set forth in the Workplan. A final batch using approximately 100 gal of portable water was performed to flush the hoses, pump, and mixing tanks.

Injection pressures, flowrates, and water levels in performance monitoring wells were measured throughout injection activities, and the daily maximum injection volume across pilot study areas was below maximum daily values included in the Pilot Test Notification Form (5,000 gal per day [gpd]). Injection volumes and compositions are summarized in **Table 3.** Field forms are included in **Appendix C**.

Groundwater samples were collected for select parameters during injection activities and stored in ice-packed coolers. Following injection activities, the samples were submitted to Pace Analytical, following chain-of-custody protocol. Associated laboratory reports will be provided in the subsequent semiannual groundwater monitoring and corrective action report.

Injections at INW-01 (shown on **Figure 2**) utilized the 'gravity fed' method by connecting injectate mix and intermediate injection tanks located at ground surface to the injection wellhead. Maximum observed flow rates during gravity fed injections were below Workplan maximum and were approximately 1-4 gal per minute (gpm) under gravity conditions. The wellhead pressure remained below 1 pound per square inch (psi) for the duration of the injection, which was well below the limit of 6 psi presented in the

Pilot Test Notification Form. Approximately 5,000 gal of injectate and 350 gal of portable water, totaling 5,350 gal, were injected at INW-01 over 5 days, with a daily maximum of 1,250 gal injected.

5. PILOT STUDY PERFORMANCE MONITORING AND REPORTING

In accordance with the Workplan, groundwater quality data from each performance monitoring event will be compared against the Co GWPS and the results of the baseline characterization to evaluate the efficacy geochemical injections. In addition, Appendix IV monitoring parameters[1] will be analyzed and monitored over the duration of the pilot study to evaluate potential localized mobilization of other Appendix IV parameters following injections. Post-injection performance monitoring was initiated on May 1, 2025, and will continue in accordance with the approved Workplan.

Pilot study results will be reported to GA EPD Solid Waste Management Program as brief summaries included as part of semiannual groundwater monitoring and corrective action reporting. Links to these reports will be emailed to the GA EPD Wastewater Regulatory Program. A Pilot Study Summary Report will be prepared at the conclusion of the pilot study.

[1] Excluding radium.

6. REFERENCES

Geosyntec, 2021. *Groundwater Monitoring Plan – Plant Bowen Ash Pond 1 (AP-1) Closure*. July 2021.

Geosyntec, 2024. *Draft Remedy Selection Report, Georgia Power Company, Plant Bowen Ash Pond 1 (AP-1).* Revised July 2024.

Geosyntec, 2025a. *Ash Pond Monitoring Well Certification Report – Addendum No. 9, Plant Bowen Ash Pond 1 (AP-1).* January 2025.

Geosyntec, 2025b. *BGWC-22 Pilot Study Workplan, Plant Bowen Ash Pond 1 (AP-1).* February 2025.

TABLES

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

Well ID	Well Completion	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation [1] (ft)	Top of Casing Elevation [1] (ft)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Well Depth (ft bgs) [2]
Temporary Injection Wells									
INW-01	Flush Mount	11/13/2024	1501330.79	2064346.11	692.19	691.83	662.21	647.21	45.28
Temporary Performance Monitoring Wells									
PT-02[3]	Stick-up	7/25/2023	1501336.13	2064340.03	692.06	694.95	661.63	651.63	43.65
PT-04[4]	Flush Mount	11/13/2024	1501327.52	2064340.94	692.06	691.68	657.10	647.10	45.26
PT-05[4]	Flush Mount	11/13/2024	1501344.14	2064338.76	691.80	691.43	656.54	646.54	45.56
PT-06[4]	Flush Mount	11/13/2024	1501340.00	2064330.08	691.78	691.31	657.75	647.75	44.33

Notes:
ft = feet.
ft bgs = feet below ground surface.
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
Survey data from wells installed in 2024 was certified by GEL Solutions (GEL) November 26, 2024. Survey data from well installed in 2023 was certified by GEL on November 20, 2023.
(2) Total well depth accounts for 0.3 ft sump.
(3) Well was constructed as part of pre-design investigation.
(4) Well was constructed in accordance with the BGWC-22 Pilot Study Workplan.

Table 2
Summary of Baseline Groundwater Analytical Data
Plant Bowen AP-1, Bartow County, Georgia

	Well ID:	INW-01	INW-01	INW-01	PT-02	PT-02	PT-02	PT-04	PT-04	PT-04	PT-05	PT-05	PT-05	PT-06	PT-06	PT-06
	Sample Date:	12/3/2024	2/13/2025	4/9/2025	12/3/2024	2/13/2025	4/9/2025	12/3/2024	2/13/2025	4/9/2025	12/4/2024	2/13/2025	4/9/2025	12/4/2024	2/13/2025	4/9/2025
	Parameter [1,2,3]															
APPENDIX III	Boron	16.8	0.0099 J	6.8	15.9	0.0072 J	4.8	15.4	0.013 J	10.2	11.7	0.0076 J	2.1	14.8	0.0072 J	12.9
	Calcium	717	8.6	226	727	72.3	167	659	58.7	342	592	51.5	104	732	7.1	529
	Chloride	830	138	205	797	137	123	761	359	353	741	495	55.8	888	688	690
	Fluoride	0.29	0.26	0.22	0.27	0.21	0.20	0.18	0.21	0.18	0.12	0.20	0.17	0.12	0.12	< 0.050
	pH (s.u.)	6.82	6.96	6.98	6.85	6.93	6.99	7.02	7.06	7.06	7.01	7.04	6.86	7.04	6.97	7.08
	Sulfate	572	140	197	541	131	128	527	300	303	511	373	91.3	588	434	459
	TDS	2830	702	978	3140	712	712	2440	1470	1470	2420	1940	501	2870	2640	2250
APPENDIX IV	Antimony	< 0.00054	< 0.00050	< 0.00050	< 0.00054	< 0.00050	0.0012 J	< 0.00054	< 0.00050	< 0.00050	< 0.00054	< 0.00050	< 0.00050	< 0.00054	< 0.00050	0.00091 J
	Arsenic [4]	0.0092	< 0.0012	< 0.0012	0.0063	< 0.0012	< 0.0012	0.0087	< 0.0012	< 0.0012	0.016	< 0.0012	< 0.0012	0.017	< 0.0012	0.0024 J
	Barium	0.085	0.031	0.030	0.060	0.031	0.031	0.11	0.12	0.051	0.16	0.029	0.019	0.10	0.027	0.084
	Beryllium	< 0.000094	< 0.00015	< 0.00015	< 0.000094	< 0.00015	< 0.00015	< 0.000094	< 0.00015	< 0.00015	< 0.000094	< 0.00015	< 0.00015	< 0.000094	< 0.00015	< 0.00015
	Cadmium	< 0.00010	< 0.00012	0.00017 J	0.00034 J	< 0.00012	0.00038 J	< 0.00010	< 0.00012	< 0.00012	< 0.00010	< 0.00012	< 0.00012	< 0.00010	< 0.00012	< 0.00012
	Chromium	< 0.0019	0.0023 J	< 0.0012	< 0.0019	< 0.0012	< 0.0012	< 0.0019	< 0.0012	< 0.0012	< 0.0019	< 0.0012	< 0.0012	< 0.0019	0.0041 J	< 0.0012
	Cobalt	0.011	< 0.0012	0.0028 J	0.0076	< 0.0012	< 0.0012	0.0072	< 0.0012	0.0091	0.0016 J	< 0.0012	< 0.0012	0.0012 J	< 0.0012	0.0042 J
	Fluoride	0.29	0.26	0.22	0.27	0.21	0.20	0.18	0.21	0.18	0.12	0.20	0.17	0.12	0.12	< 0.050
	Lead	< 0.00016	< 0.00025	< 0.00025	< 0.00016	< 0.00025	< 0.00025	< 0.00016	< 0.00025	< 0.00025	< 0.00016	< 0.00025	< 0.00025	< 0.00016	< 0.00025	< 0.00025
	Lithium	0.0085 J	0.00527 J	0.00588 J	0.015 J	0.00652 J	0.00624 J	0.0082 J	0.00690 J	0.00882 J	0.0021 J	0.00528 J	0.00173 J	0.0079 J	0.00753 J	0.00759 J
	Mercury	< 0.00013	< 0.00012	< 0.000091	< 0.00013	< 0.00012	0.00057	< 0.00013	< 0.00012	0.00022	< 0.00013	< 0.00012	0.00016 J	< 0.00013	< 0.00012	< 0.000091
	Molybdenum	0.063	< 0.0025	0.031	0.055	< 0.0025	0.019	0.035	< 0.0025	0.021	0.016	< 0.0025	0.0084 J	0.0074 J	< 0.0025	0.0061 J
	Selenium	< 0.00096	0.0025 J	< 0.0012	< 0.00096	< 0.0012	< 0.0012	0.0012 J	< 0.0012	0.0017 J	< 0.00096	< 0.0012	< 0.0012	0.0011 J	< 0.0012	0.0023 J
	Thallium	< 0.00038	< 0.00015	0.00039 J	0.00099 J	< 0.00015	0.00041 J	< 0.00038	< 0.00015	0.0010 J	< 0.00038	< 0.00015	< 0.00015	0.0026	< 0.00015	< 0.00015
GEOCHEM	Bicarbonate Alkalinity	128	170	171	133	160	169	130	158	161	123	143	220	112	113	130
	Total Alkalinity	128	170	171	133	160	169	130	158	161	123	143	220	112	113	130
	Iron	2.1	0.11	4.1	0.12	0.89	2.9	0.32	1.0	6.2	0.26	0.56	2.0	< 0.025	0.27	11.4
	Magnesium	100	3.5	34.6	101	5.4	27.2	104	11.2	61.3	136	5.4	25.9	136	2.5	114
	Manganese	5.2	0.0055 J	1.0	4.2	0.037 J	0.25	3.3	0.0095 J	1.5	0.51	< 0.012	0.049	0.94	0.0022 J	0.95
	Potassium	19.7	0.18 J	9.4	15.6	0.73	6.0	13.5	0.45 J	9.4	5.2	0.69	3.9	10.7	0.84	9.6
	Sodium	54.5	9.1	20.8	39.5	4.0	11.2	44.7	10.6	27.0	35.4	4.7	9.3	36.7	3.7	28.6
	Sulfide	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.54
FIELD	Dissolved Oxygen	0.16	2.33	0.67	0.06	3.27	1.66	0.11	0.36	0.14	1.67	0.34	4.01	2.39	0.51	0.06
	Oxidation-Reduction Potential (mV)	-35.7	15.7	80.4	135.6	32.6	112.6	38.5	7.5	-4.3	11.8	-62.6	16.4	337.1	56.4	-213.7
	Temperature (°C)	14.95	17.88	19.47	13.47	17.83	19.91	16.81	18.83	17.94	16.40	16.84	20.74	17.60	17.92	18.63
	Specific Conductance (µS/cm)	3886.1	1166.8	1374.9	3864.5	1058.9	1018.6	3590.0	2275.5	2086.3	3568.5	2926.9	660.15	4003.4	3895.9	3279.3
	pH (s.u.)	6.82	6.96	6.98	6.85	6.93	6.99	7.02	7.06	7.06	7.01	7.04	6.86	7.04	6.97	7.08
	Turbidity (NTU)	0.84	3.02	2.02	2.77	4.65	1.97	0.24	1.86	4.59	1.65	4.52	4.44	0.17	0.78	4.87

Notes:
< = Indicates the parameter was not detected above the analytical method detection limit (MDL).
°C = degrees Celsius
J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL).
µS/cm = microsiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
s.u. = standard units
TDS = Total dissolved solids
(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Analysis of combined radium omitted from the pilot study monitoring program. Unless otherwise indicated, parameters are reported in units of milligrams per liter (mg/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, 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.
(4) Arsenic was detected in the associated method blank at 0.00085 J mg/L for PT-02 12/3/2024 sample.

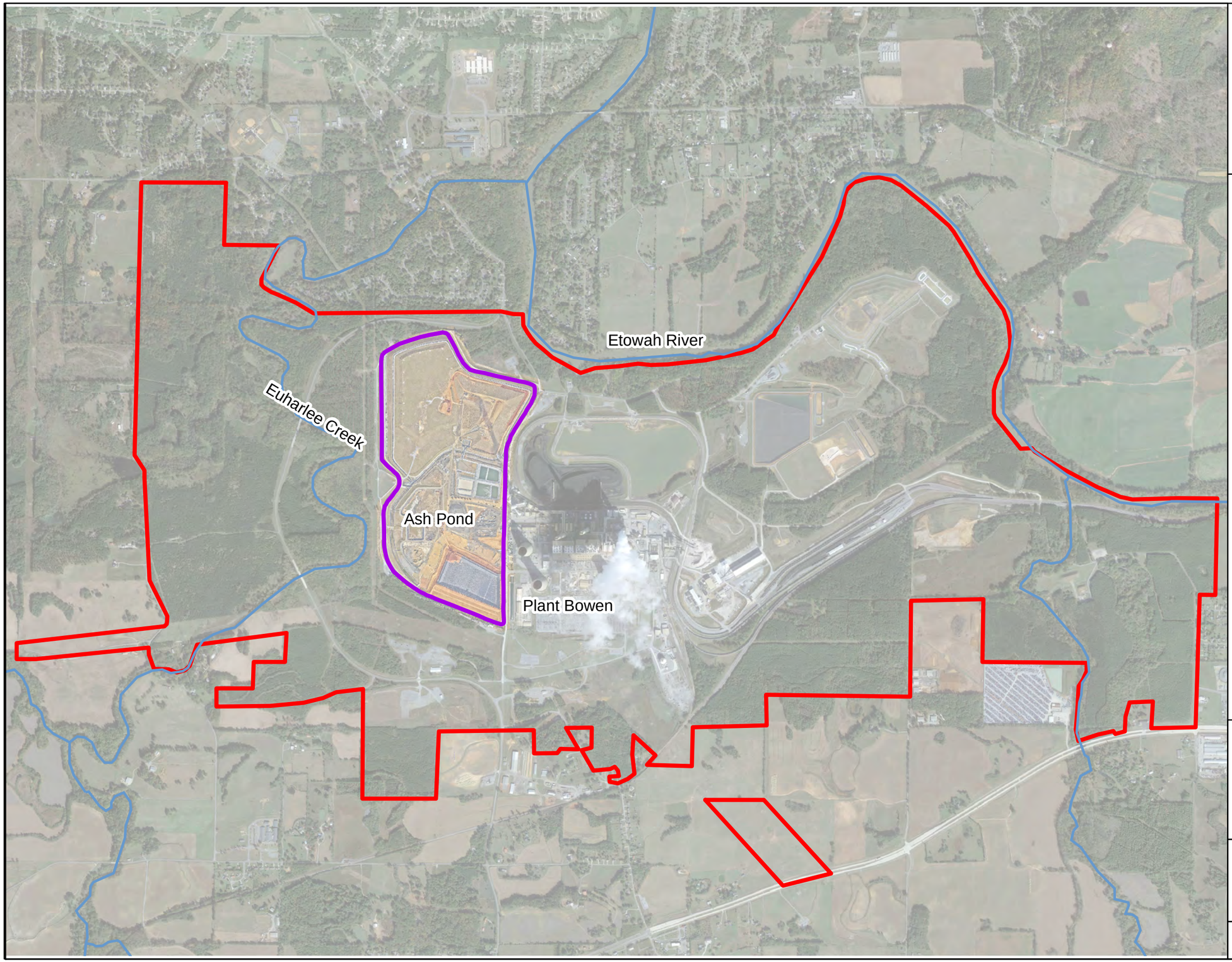
Table 3

Summary of Daily Injection Volumes
Plant Bowen AP-1, Bartow County, Georgia

Date	Daily Injection Volume (gal)	$NaHCO_3$ Concentration of Injectate (g/L)
04/22/2025[(1)]	250	0.0
04/23/2025	750	3.0
04/24/2025	1,250	6.0
04/25/2025	1,250	6.0
04/26/2025	1,250	6.0
04/27/2025[(2)]	600	6.0
TOTAL:	**5,350**	

Notes:
gal = gallons
g/L = grams per liter.
$NaHCO_3$ = Sodium Bicarbonate
(1) The 250 gal injection volume on 4/22/2025 consisted of potable water.
(2) The last 100 gal of the 600 gal injection volume on 4/27/2025 consisted of potable water.

FIGURES



N

LEGEND

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



Note:
1. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, January 2024.

0 900 1,800 3,600
Feet

SITE LOCATION MAP

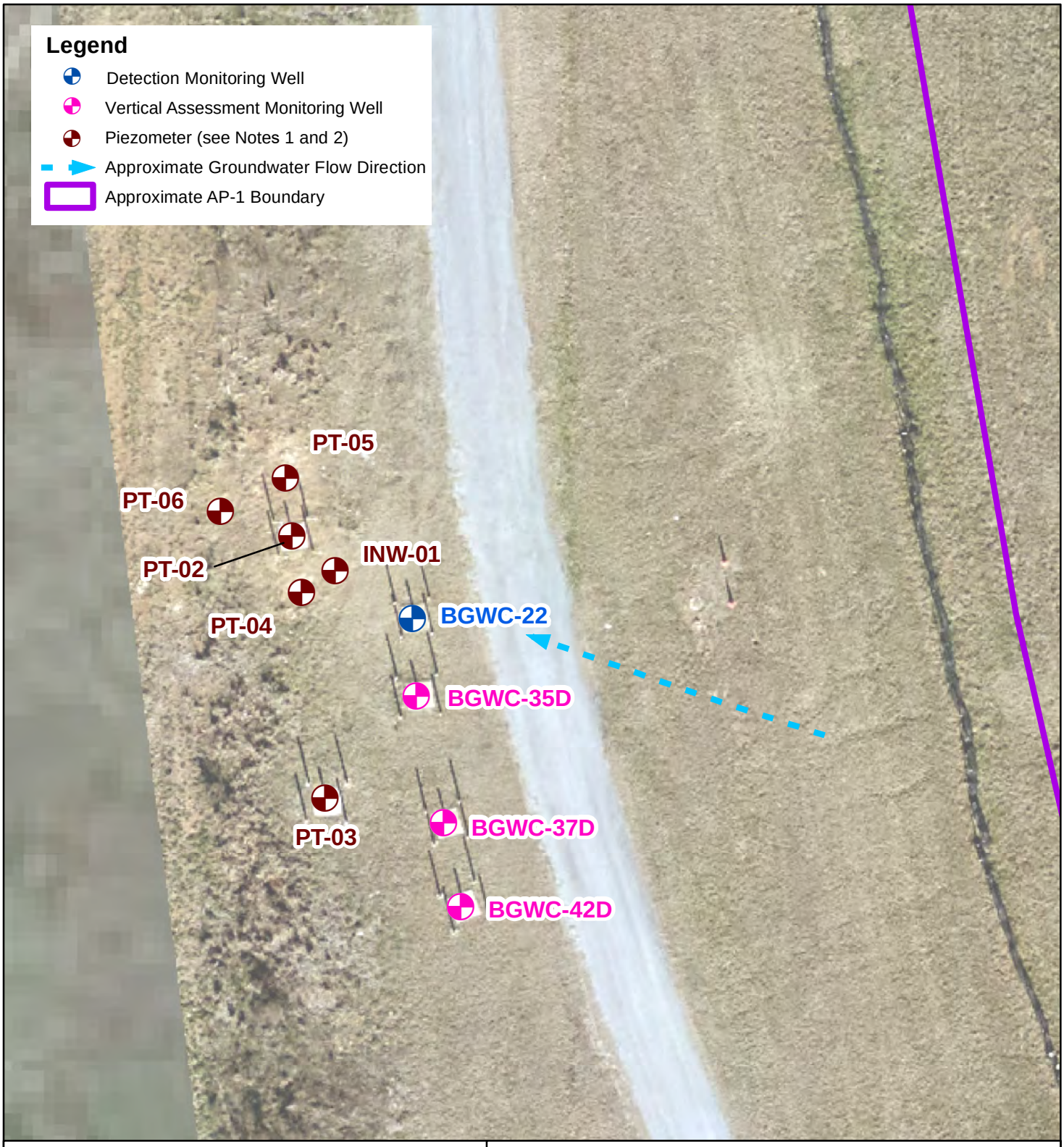
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | JUNE 2025

FIGURE 1



0 5 10 20 Feet

N

Notes:
1. 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. All wells and piezometers presented are screeened within the weathered fractured bedrock.
2. INW-01 is a temporary pilot study injection well. PT-02, PT-04 through PT-06 are temporary performance monitoring wells.
3. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, January 2025.

Pilot Study Well Locations
Georgia Power Company
Plant Bowen AP-1
Bartow County, Georgia

Prepared by: Geosyntec consultants

KENNESAW, GA | JUNE 2025

FIGURE 2

APPENDIX A

Ash Pond Monitoring Well Certification Report – Addendum No 9

Prepared for



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

ASH POND MONITORING WELL CERTIFICATION REPORT – ADDENDUM No. 9

PLANT BOWEN ASH POND 1 (AP-1)

Prepared by



engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581H

January 2025

Georgia Power

CERTIFICATION PAGE

I hereby certify that this *Well Design, Installation, and Development Report – Addendum No. 9, Plant Bowen Ash Pond 1 (AP-1)* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Geosyntec Consultants, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

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



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

January 24, 2025
Date

Geosyntec consultants

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Appendix A Well Driller Performance Bond
Appendix B Boring and Well Construction Logs
Appendix C Well Development and Equipment Calibration Forms
Appendix D Certified Well Survey Data

LIST OF ACRONYMS

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

1. INTRODUCTION

This report provides details regarding the design, installation, and development of one injection well (INW-01) and three performance monitoring wells (PT-04, PT-05, and PT-06), installed in November 2024 to support planned pre-design investigation activities at Georgia Power Company (Georgia Power) Plant Bowen (Site) Ash Pond 1 (AP-1). This report was prepared as an addendum to previously issued well certification reports prepared for the Site (Anchor QEA, 2017; Geosyntec, 2019, 2020a, 2020b, 2021a, 2021b, 2022, 2024a and 2024b), and meets the requirements promulgated in the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10.

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

2. DRILLING AND WELL INSTALLATION

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

The locations of the new wells are shown on **Figure 1**. Well construction details are provided in **Table 1**; boring and well construction logs are included in **Appendix B**.

2.1 Drilling Method

Soil borings were advanced using rotosonic drilling techniques with continuous core collection. A Terra Sonic compact crawler size track mounted rig with a 6-inch sonic drill rod was used to install the wells.

Care was taken so that the drilling methods minimized the disturbance of subsurface materials and did not introduce contamination of the groundwater from surface activities. The drilling equipment was cleaned prior to drilling and between locations.

2.2 Screened Interval

Details regarding the well screen intervals are provided in **Table 1**. Wells are screened in the upper portion of the limestone bedrock unit with INW-01 screened from approximately 662.21 to 647.21 feet [referenced to the North American Vertical Data of 1988 (NAVD88)]. Screened elevations across the rest of the new wells range from approximately 657.75 to 646.54 feet. All wells are constructed with 10 feet of well screen except for INW-01, which is constructed with 15 feet of well screen.

2.3 Well Casings and Screens

The wells were constructed of 2-inch inner diameter Schedule 40 PVC casing with flush-threaded fittings. INW-01 was installed with a 15-foot nominal pre-packed dual-wall well screen with 0.010-inch slots. The rest of the wells were installed with a 10-foot nominal pre-packed dual-wall well screen with 0.010-inch slots. The casings and screens arrived pre-cleaned and packaged by the manufacturer. Well construction materials are sufficiently durable to resist chemical and physical degradation and not interfere with the quality of groundwater samples. Casing and screens are flush-threaded. Solvent or glue was not used to construct the wells. A 4-inch long threaded bottom cap was attached to the bottom of the screen. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated. Well screen interval details are provided in **Table 1**.

2.4 Well Intake Design

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

2.5 Filter Pack

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

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

Upon placement of the filter pack, each well was pumped with a submersible pump to assure settlement of the filter pack. The top of filter pack depth was measured following

pumping to ensure appropriate extension of filter sand above the screen. The depth of top of filter pack was measured and recorded on the well construction logs provided in **Appendix B**.

2.6 Annular Seal

A minimum of two feet of bentonite pellets were placed immediately above the filter pack by gravity-pouring into the annular space and hydrated per manufacture's specifications. A tremie pipe was used to probe the annular space to ensure that no bridging occurred. The bentonite was hydrated with groundwater for a duration meeting or exceeding the manufacture's specifications prior to grouting the remaining annulus.

The annulus above the bentonite seal was filled with hydrated bentonite (3/8-inch bentonite pellets) to the top of the water level within the borehole. A tremie pipe was used to probe the annular space to ensure that no bridging occurred. The annulus above the hydrated bentonite was grouted with bentonite grout placed via tremie pipe. During grouting, care was taken to assure that the hydrated bentonite was not disturbed by locating the base of the tremie pipe approximately 2 feet above the hydrated bentonite and injecting grout at low pressure/velocity. A cement apron 2-feet by 2-feet by 4-inches was poured around each well. The pad is mounded slightly outward to direct surface drainage away from the well.

2.7 Cap and Protective Casing

PT-04 through PT-06 and INW-01 were installed with flush-mounted well vaults and watertight flush-mounted well covers. The wells were clearly marked with the proper well identification number on a secured aluminum well tag on the manhole covers.

Construction details are documented on the well construction logs provided in **Appendix B**.

3. WELL DEVELOPMENT

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

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

4. SURVEY

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

5. REFERENCES

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

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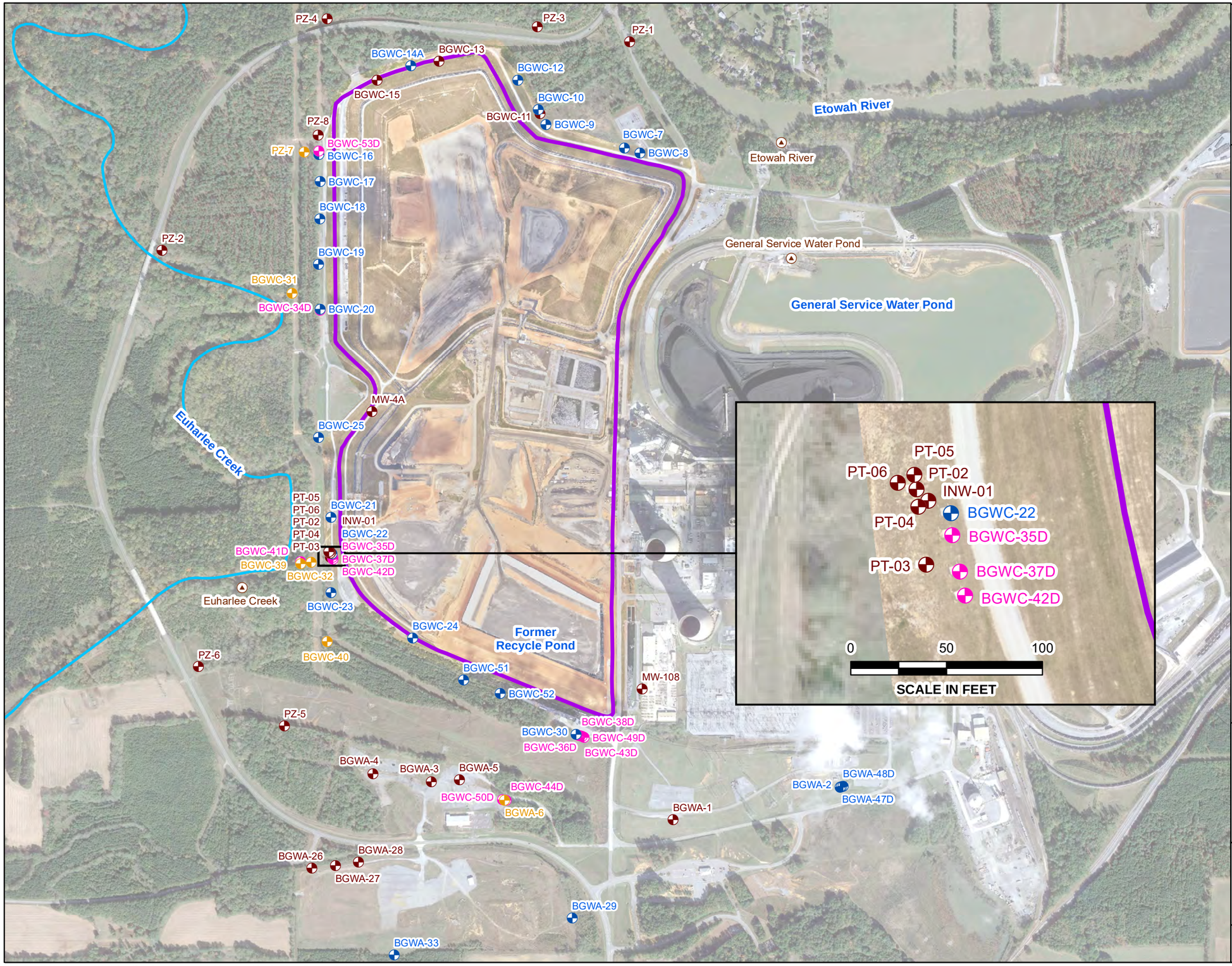
TABLE

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

Well ID	Purpose	Well Completion	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation (ft NAVD88) [2]	Top of Casing Elevation (ft NAVD88)	Top of Screen Elevation (ft NAVD88)	Bottom of Screen Elevation (ft NAVD88)	Well Depth (ft bgs)
INW-01	Injection Well	Flush Mount	11/13/24	1501330.79	2064346.11	692.19	691.83	662.21	647.21	45.28
PT-04	Performance Monitoring Well	Flush Mount	11/13/24	1501327.52	2064340.94	692.06	691.68	657.10	647.10	45.26
PT-05	Performance Monitoring Well	Flush Mount	11/13/24	1501344.14	2064338.76	691.80	691.43	656.54	646.54	45.56
PT-06	Performance Monitoring Well	Flush Mount	11/13/24	1501340.00	2064330.08	691.78	691.31	657.75	647.75	44.33

Notes:
ft bgs = feet below ground surface.
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey completed by GEL Solutions and certified on November 26, 2024.
(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad.
(3) Total well depth accounts for 0.3-feet sump.

FIGURE



N

LEGEND

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

Notes:
1. All wells and piezometers presented are screeened within the weathered fractured bedrock.
2. 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. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, August 2024.

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

KENNESAW, GA | JANUARY 2025

FIGURE 1

APPENDIX A

Well Driller Performance Bond

CONTINUATION
CERTIFICATE

Atlantic Specialty Insurance Company , Surety upon

a certain Bond No. 800033976

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

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

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

does hereby continue said bond in force for the further period

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

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

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

Description of bond Performance Bond for Water Well Contractors

Premium:

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

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

Atlantic Specialty Insurance Company

By _____
ATTORNEY-IN-FACT Carlos A. Albelo

intact INSURANCE

Power of Attorney

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

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

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

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

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

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

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

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

ALISON DWAN NASH-TROUT
NOTARY PUBLIC - MINNESOTA
My Commission Expires
January 31, 2026

_____
Notary Public

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

Signed and sealed. Dated 13th day of April, 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

This Power of Attorney expires
January 31, 2025

_____
Kara Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

APPENDIX B

Boring and Well Construction Logs

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INW-01

CLIENT Southern Company Services
PROJECT NAME Plant Bowen Pilot Study
PROJECT NUMBER GW6581H
PROJECT LOCATION Euharlee, Georgia
DATE STARTED 11/4/2024 **COMPLETED** 11/13/2024
NORTHING 1501330.79 ft **EASTING** 2064346.11 ft
DRILLER Cascade Drilling
GROUND ELEVATION 692.19 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 691.83 ft
SAMPLING METHOD Continuous Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic CC
LOGGED BY T. Kessler **CHECKED BY** M. Crook

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0				(0') Silty CLAY (CL-ML); strong brown (7.5YR 5/6) with red (5YR 4/6) and white (5YR 8/1) mottling throughout, moist, medium to low plasticity, trace fine round sand.	Flush-mount well cover set in concrete
				(3') Trace angular chert gravel.	
5	DP			(5') Trace angular chert gravel.	
					2" Sch 40 PVC Riser
10					
				(10') Silty CLAY (CL-ML); yellowish-brown (10YR 5/8) with some white (5Y 4/6) mottling throughout, moist, medium to low plasticity, trace fine rounded sand throughout.	Approx. 119 gallon of Aquaguard Bentonite Grout
15	DP				
				(16') Trace white (5Y 8/1) angular schist gravel from 16-18 ft bgs.	
20					
				(20') Silty CLAY with gravel (CL-ML); strong brown (7.5YR 4/6), wet, medium plasticity, medium to fine subrounded to subangular sand throughout, abundant heavily weathered dolostone/dolomitic limestone gravel throughout.	Approx. 5 gallon of uncoated 3/8" Bentonite Pellets
25	DP	Dolomitic limestone fragments 1 mm thick x 5-20 mm plates, shows very heavy weathering (PWR); rod resistance from 20-31.8 feet bgs			
30					Approx. 33 gallon of #1 Silica Well Pack Sand
				(30') DOLOMITIC LIMESTONE; medium gray (N/5), broken into medium to large angular gravel throughout, abundant white (N/9) calcite veins and HCl reactive throughout.	2" Sch 40 PVC Slotted Screen (0.010")
35		Top of rock			

(Continued Next Page)

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INW-01
PAGE 2 OF 2

CLIENT Southern Company Services **PROJECT NAME** Plant Bowen Pilot Study
PROJECT NUMBER GW6581H **PROJECT LOCATION** Euharlee, Georgia

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
35	DP			(37') Trace iron staining from 37-40 ft bgs.	
40	DP			(40') Without staining.	
45					PVC End Cap

Bottom of borehole at 45.5 ft bgs.

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PT-04

CLIENT Southern Company Services
PROJECT NAME Plant Bowen Pilot Study
PROJECT NUMBER GW6581H
PROJECT LOCATION Euharlee, Georgia
DATE STARTED 10/30/2024 **COMPLETED** 11/13/2024
NORTHING 1501327.52 ft **EASTING** 2064340.94 ft
DRILLER Cascade Drilling
GROUND ELEVATION 692.06 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 691.68 ft
SAMPLING METHOD Continuous Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic CC
LOGGED BY T. Kessler **CHECKED BY** M. Crook

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0				(0') Silty CLAY (CL-ML); strong brown (7.5YR 4/6) with trace white (5YR 8/1) and red (2.5YR 5/8) mottling throughout, dry to moist, medium to low plasticity, trace fine rounded sand, trace white (5YR 8/1) small to medium angular gravel (chert) throughout.	Flush-mount well cover set in concrete
				(2') Strong brown (7.5YR 5/6).	
5	DP				2" Sch 40 PVC Riser
					Approx. 18 gallon of Aquaguard Bentonite Grout
10				(10') Silty CLAY (CL-ML); reddish yellow (7.5YR 6/6) with some white (5YR 8/1) mottling throughout, moist, medium to low plasticity, trace fine rounded sand.	
					Approx. 32 gallon of uncoated 3/8" Bentonite Pellets
15	DP				
				(18') Trace angular medium to large sand.	
20				(20') Silty CLAY (CL-ML); reddish yellow (7.5YR 6/6), wet, low plasticity, abundant medium to fine sand, subrounded to subangular with abundant large medium gray (N/5) gravel at 28 ft bgs.	
25	DP				
		28-38 feet: 100 gallons, no water return		(27') Dark gray (10YR 4/1).	
				(28') DOLOMITIC LIMESTONE/DOLOSTONE; medium gray (N/5), hard, abundant white (N/9) calcite, very weak HCl reaction, wet.	
30				(29.5') Trace iron staining.	
				(30') DOLOMITIC LIMESTONE; medium gray (N/5), hard, some white (N/9) calcite throughout.	Approx. 9 gallon of uncoated 3/8" Bentonite Pellets
				(32') Broken into subangular gravel.	
35		Hard drilling from			

(Continued Next Page)

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CLIENT Southern Company Services **PROJECT NAME** Plant Bowen Pilot Study
PROJECT NUMBER GW6581H **PROJECT LOCATION** Euharlee, Georgia

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
35	DP	30-40 feet bgs, no water return 38-45.5 feet: 150 gallons, 20-30% return		(34.5') Iron staining on fracture face. (38') DOLOMITIC LIMESTONE; medium gray (N/5), hard, iron staining on fracture faces, abundant calcite (N/9) and HCl reactive throughout.	Approx. 25 gallon of #1 Silica Well Pack Sand
40	DP				2" Sch 40 PVC Slotted Screen (0.010")
45	DP	45.5-50 feet: 50 gallons, no water return; 60 gallons, 10% recovery (OD).		(45.5') Same as above.	PVC End Cap Approx. 5 gallon of uncoated 3/8" Bentonite Pellets
50				(49.5') Trace iron staining.	

Bottom of borehole at 50.1 ft bgs.

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PT-05

CLIENT Southern Company Services
PROJECT NAME Plant Bowen Pilot Study
PROJECT NUMBER GW6581H
PROJECT LOCATION Euharlee, Georgia
DATE STARTED 11/12/2024 **COMPLETED** 11/13/2024
NORTHING 1501344.14 ft **EASTING** 2064338.76 ft
DRILLER Cascade Drilling
GROUND ELEVATION 691.80 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 691.43 ft
SAMPLING METHOD Continuous Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic CC
LOGGED BY A. Tomlinson **CHECKED BY** M. Crook

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0				(0') Silty CLAY (CL-ML); yellowish red (5YR 4/6) with trace dark red (2.5YR 3/6 mottling throughout, dry, medium to low plasticity.	Flush-mount well cover set in concrete
5	DP				
					2" Sch 40 PVC Riser
10				(10') Silty CLAY (CL-ML); strong brown (7.5YR 5/6), wet, medium plasticity, trace fine to medium sand.	Approx. 34 gallon of Aquaguard Bentonite Grout
15	DP			(15') Without sand.	
20				(17') Fat CLAY (CH); reddish yellow (7.5YR 7/8) with red mottling (2.5YR 5/8), wet becoming moist at bottom, high plasticity.	
				(20') LIMESTONE; grayish black (N/2), trace calcite throughout.	Approx. 19 gallon of uncoated 3/8" Bentonite Pellets
25	DP	No sample from 20-20.6 ft bgs Fell to 26.5 feet bgs with no resistance to top of rock, will only get 26.5-30 feet in sample			
				(27.5') Reddish yellow (2.5YR 5/8) clay, trace red (7.5YR 7/8) mottling, wet.	
30				(28.7') Subangular to subrounded gravel from 28.7-30 ft bgs.	
				(30') LIMESTONE; grayish black (N/2), subangular to subrounded gravel throughout, no staining, wet.	Approx. 3 gallon of uncoated 3/8" Bentonite Pellets
35					

(Continued Next Page)

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PT-05

CLIENT Southern Company Services **PROJECT NAME** Plant Bowen Pilot Study

PROJECT NUMBER GW6581H **PROJECT LOCATION** Euharlee, Georgia

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
35	DP				Approx. 24 gallon of #1 Silica Well Pack Sand
40				(39') Becoming more medium gray. (40') LIMESTONE; grayish black, subangular to subrounded gravel, no staining, wet.	2" Sch 40 PVC Slotted Screen (0.010")
45	DP				PVC End Cap

Bottom of borehole at 45.56 ft bgs.

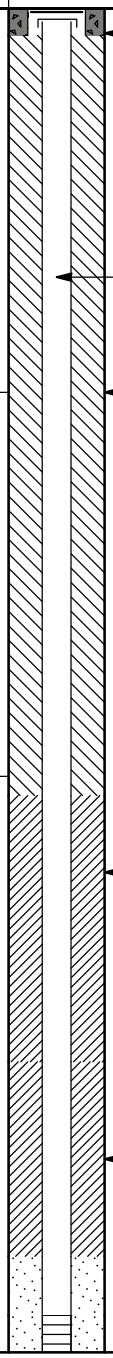
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PT-06

CLIENT Southern Company Services
PROJECT NAME Plant Bowen Pilot Study
PROJECT NUMBER GW6581H
PROJECT LOCATION Euharlee, Georgia
DATE STARTED 11/5/2024 **COMPLETED** 11/13/2024
NORTHING 1501340.00 ft **EASTING** 2064330.08 ft
DRILLER Cascade Drilling
GROUND ELEVATION 691.78 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 691.31 ft
SAMPLING METHOD Continuous Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic CC
LOGGED BY T. Kessler/A. Tomlinson **CHECKED BY** M. Crook

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0				(0') Silty CLAY (CL-ML); strong brown (7.5YR N/8) with abundant white (7.5YR 4/8) mottling throughout, moist, medium plasticity, trace fine angular to rounded sand, trace angular chert fragments (small).
5	DP			(3') Strong brown (7.5YR 5/6).
10				(10') Silty CLAY (CL-ML); yellowish-brown (10YR 5/6) with trace white (10YR 8/1) mottling throughout, moist, medium plasticity, some medium to fine subrounded to subangular sand throughout.
15	DP	10-20 feet, solid rod drop 20-24.8 feet on overdrill		(14') Trace angular chert fragments.
20				(20') LIMESTONE; medium gray, broken into subangular gravel at top and toward bottom, hard, no iron staining, wet.
25	DP	~300 gallons of water used from 20-44 feet bgs		
30				(30') Broken into subrounded to subangular gravel, no iron staining.
35				

CONSTRUCTION DIAGRAM



(Continued Next Page)

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CLIENT Southern Company Services **PROJECT NAME** Plant Bowen Pilot Study
PROJECT NUMBER GW6581H **PROJECT LOCATION** Euharlee, Georgia

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
35	DP			(40') Some calcite on fracture faces, no iron staining.	Approx. 21 gallon of #1 Silica Well Pack Sand
40	DP				2" Sch 40 PVC Slotted Screen (0.010")
45					PVC End Cap

Bottom of borehole at 45.0 ft bgs.

APPENDIX C

Well Development and Calibration Forms

Well Development Forms

Low-Flow Test Report:

Test Date / Time: 11/22/2024 10:16:13 AM
Project: Plant Bowen AP Development November 2024
Operator Name: Natalie Piparo

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 15 m** **Top of Screen: 29.94 m** **Total Depth: 44.94 ft** **Initial Depth to Water: 27.75 ft**	**Pump Type: GeoTech Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 37.44 ft** **Estimated Total Volume Pumped: 36000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 1200 ml/min** **Final Draw Down: 0.49 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Prepurged 770 L. Final Total Depth 44.92 ft.

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	
11/22/2024 10:16 AM	00:00	6.73 pH	17.93 °C	3,211.6 µS/cm	0.36 mg/L	0.68 NTU	-14.8 mV	28.23 ft	1.70 PSU	1,200.0 ml/min
11/22/2024 10:21 AM	05:00	6.76 pH	17.94 °C	3,298.6 µS/cm	0.30 mg/L	1.18 NTU	-24.7 mV	28.22 ft	1.74 PSU	1,200.0 ml/min
11/22/2024 10:26 AM	10:00	6.78 pH	18.00 °C	3,304.9 µS/cm	0.25 mg/L	1.29 NTU	-21.0 mV	28.21 ft	1.75 PSU	1,200.0 ml/min
11/22/2024 10:31 AM	15:00	6.80 pH	17.84 °C	3,327.6 µS/cm	0.25 mg/L	1.08 NTU	-31.4 mV	28.24 ft	1.76 PSU	1,200.0 ml/min
11/22/2024 10:36 AM	20:00	6.81 pH	18.10 °C	3,332.3 µS/cm	0.25 mg/L	0.91 NTU	-33.7 mV	28.22 ft	1.76 PSU	1,200.0 ml/min
11/22/2024 10:41 AM	25:00	6.83 pH	17.76 °C	3,333.9 µS/cm	0.24 mg/L	0.66 NTU	-35.0 mV	28.23 ft	1.76 PSU	1,200.0 ml/min
11/22/2024 10:46 AM	30:00	6.84 pH	17.88 °C	3,333.9 µS/cm	0.24 mg/L	0.71 NTU	-36.1 mV	28.24 ft	1.76 PSU	1,200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/21/2024 12:29:57 PM
Project: Bowen AP Well Development November 2024
Operator Name: Sawyer Kovacs

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.63 ft** **Total Depth: 42.63 in** **Initial Depth to Water: 27.62 ft**	**Pump Type: GeoTech Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 37.63 ft** **Estimated Total Volume Pumped: 42000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 1050 ml/min** **Final Draw Down: 9.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Prepurged: 254 L. Total depth after development: 44.88'

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 %	
11/21/2024 12:29 PM	00:00	6.94 pH	18.44 °C	3,036.3 µS/cm	0.68 mg/L	3.56 NTU	36.7 mV	37.04 ft	1.60 PSU	1,050.0 ml/min
11/21/2024 12:34 PM	05:00	6.92 pH	18.11 °C	3,047.3 µS/cm	0.39 mg/L	2.95 NTU	14.2 mV	36.70 ft	1.60 PSU	1,050.0 ml/min
11/21/2024 12:39 PM	10:00	6.93 pH	18.15 °C	3,079.7 µS/cm	0.43 mg/L	2.19 NTU	3.2 mV	36.72 ft	1.62 PSU	1,050.0 ml/min
11/21/2024 12:44 PM	15:00	6.94 pH	18.15 °C	3,086.8 µS/cm	0.41 mg/L	0.67 NTU	-1.5 mV	36.66 ft	1.63 PSU	1,050.0 ml/min
11/21/2024 12:49 PM	20:00	6.94 pH	18.20 °C	3,096.9 µS/cm	0.46 mg/L	0.54 NTU	-4.5 mV	36.65 ft	1.63 PSU	1,050.0 ml/min
11/21/2024 12:54 PM	25:00	6.95 pH	18.20 °C	3,105.4 µS/cm	0.42 mg/L	1.67 NTU	-6.5 mV	36.67 ft	1.64 PSU	1,050.0 ml/min
11/21/2024 12:59 PM	30:00	6.96 pH	18.27 °C	3,099.9 µS/cm	0.46 mg/L	1.00 NTU	-8.3 mV	36.67 ft	1.63 PSU	1,050.0 ml/min
11/21/2024 1:04 PM	35:00	6.96 pH	18.39 °C	3,104.9 µS/cm	0.51 mg/L	0.75 NTU	-9.2 mV	36.68 ft	1.64 PSU	1,050.0 ml/min
11/21/2024 1:09 PM	40:00	6.96 pH	18.37 °C	3,105.6 µS/cm	0.57 mg/L	0.67 NTU	-9.7 mV	36.68 ft	1.64 PSU	1,050.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 11/22/2024 11:01:48 AM
Project: Plant Bowen AP Development November 2024
Operator Name: Jay Siewert

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.17 ft** **Total Depth: 45.17 ft** **Initial Depth to Water: 27.04 ft**	**Pump Type: GeoTech Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 40.17 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 4.71 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Pre-purged 140 L. Total depth after development: 45.19'

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
11/22/2024 11:01 AM	00:00	6.98 pH	17.66 °C	3,666.1 µS/cm	0.78 mg/L	2.38 NTU	169.4 mV	31.68 ft	1.95 PSU	400.00 ml/min
11/22/2024 11:06 AM	05:00	6.99 pH	17.57 °C	3,390.8 µS/cm	0.69 mg/L	1.23 NTU	154.8 mV	31.71 ft	1.80 PSU	400.00 ml/min
11/22/2024 11:11 AM	10:00	7.00 pH	17.88 °C	3,386.0 µS/cm	0.53 mg/L	0.38 NTU	149.5 mV	31.74 ft	1.79 PSU	400.00 ml/min
11/22/2024 11:16 AM	15:00	7.00 pH	17.92 °C	3,388.7 µS/cm	0.33 mg/L	0.26 NTU	139.4 mV	31.76 ft	1.79 PSU	400.00 ml/min
11/22/2024 11:21 AM	20:00	7.01 pH	17.88 °C	3,395.1 µS/cm	0.64 mg/L	0.28 NTU	126.8 mV	31.78 ft	1.80 PSU	400.00 ml/min
11/22/2024 11:26 AM	25:00	7.01 pH	17.95 °C	3,403.7 µS/cm	0.53 mg/L	0.80 NTU	124.4 mV	31.80 ft	1.80 PSU	400.00 ml/min
11/22/2024 11:31 AM	30:00	7.02 pH	17.70 °C	3,408.9 µS/cm	0.38 mg/L	0.20 NTU	116.5 mV	31.75 ft	1.81 PSU	400.00 ml/min
11/22/2024 11:36 AM	35:00	7.02 pH	18.01 °C	3,395.8 µS/cm	0.29 mg/L	0.29 NTU	108.8 mV	31.81 ft	1.80 PSU	400.00 ml/min
11/22/2024 11:41 AM	40:00	7.03 pH	17.57 °C	3,411.2 µS/cm	0.63 mg/L	0.12 NTU	96.9 mV	31.78 ft	1.81 PSU	400.00 ml/min
11/22/2024 11:46 AM	45:00	7.03 pH	18.23 °C	3,410.4 µS/cm	0.49 mg/L	0.24 NTU	95.0 mV	31.79 ft	1.81 PSU	400.00 ml/min
11/22/2024 11:51 AM	50:00	7.02 pH	17.98 °C	3,405.6 µS/cm	0.38 mg/L	0.24 NTU	89.4 mV	31.76 ft	1.80 PSU	400.00 ml/min
11/22/2024 11:56 AM	55:00	7.03 pH	18.16 °C	3,403.5 µS/cm	0.36 mg/L	0.12 NTU	83.2 mV	31.75 ft	1.80 PSU	400.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 11/25/2024 3:40:19 PM
Project: Bowen AP Well Development November 2024
Operator Name: Sawyer Kovacs

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.8 ft** **Total Depth: 43.8 ft** **Initial Depth to Water: 27.45 ft**	**Pump Type: GeoTech Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 38.8 ft** **Estimated Total Volume Pumped: 4200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 5.9 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

Test Notes:
Prepurged: 65 L. Total depth after development 43.86'

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 %	
11/25/2024 3:40 PM	00:00	7.01 pH	19.84 °C	4,217.0 µS/cm	7.76 mg/L	3.92 NTU	223.1 mV	33.10 ft	2.27 PSU	120.00 ml/min
11/25/2024 3:45 PM	05:00	7.02 pH	19.93 °C	4,248.7 µS/cm	4.34 mg/L	33.19 NTU	215.8 mV	33.10 ft	2.28 PSU	120.00 ml/min
11/25/2024 3:50 PM	10:00	7.00 pH	19.84 °C	4,240.6 µS/cm	3.84 mg/L	0.25 NTU	213.2 mV	33.30 ft	2.28 PSU	120.00 ml/min
11/25/2024 3:55 PM	15:00	7.00 pH	19.75 °C	4,245.0 µS/cm	3.83 mg/L	0.45 NTU	208.8 mV	33.35 ft	2.28 PSU	120.00 ml/min
11/25/2024 4:00 PM	20:00	7.00 pH	19.73 °C	4,242.4 µS/cm	3.49 mg/L	0.43 NTU	205.2 mV	33.35 ft	2.28 PSU	120.00 ml/min
11/25/2024 4:05 PM	25:00	7.00 pH	19.86 °C	4,245.5 µS/cm	3.29 mg/L	0.41 NTU	201.7 mV	33.38 ft	2.28 PSU	120.00 ml/min
11/25/2024 4:10 PM	30:00	7.00 pH	20.06 °C	4,240.3 µS/cm	3.20 mg/L	0.15 NTU	198.5 mV	33.38 ft	2.28 PSU	120.00 ml/min
11/25/2024 4:15 PM	35:00	7.01 pH	19.97 °C	4,240.1 µS/cm	3.10 mg/L	0.04 NTU	195.6 mV	33.35 ft	2.28 PSU	120.00 ml/min

Samples

Sample ID:	Description:

Calibration Forms

Site Name: Bowen AP

Field Instrumentation Calibration Form

Date: 11.21.2024

Calibrated By: Sawyer Kovacs

Field Conditions: Sunny 36/56

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1080297
Turbidity Meter	LaMotte 2020	9453-4417

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	11:46	**Time Finish**	12:00		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.96	11.93	± 10%	NA
Specific Conductance (µS/cm)	4,490	4583.3	12.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	12.20	± 0.1	GWMP
pH (SU)	7.00	7.08	11.20	± 0.1	GWMP
pH (SU)	10.00	10.14	10.67	± 0.1	GWMP
ORP (mV)	228.0	246.9	11.28	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.07	± 10% of standard	EPA 2023
	1.00	0.91		
	10.00	10.57		

Calibration Check					
Time Start	16:17	**Time Finish**	16:23		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4529.8	13.05	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	13.07	± 0.1	GWMP
pH (SU)	7.00	7.05	13.30	± 0.1	GWMP
pH (SU)	10.00	10.14	13.53	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.03	± 10% of standard	EPA 2023
	1.00	1.18		
	10.00	9.36		

Notes:

Site Name: Bowen AP

Field Instrumentation Calibration Form

Date: 11-22-2024

Calibrated By: Sawyer Hoveis, Natalie Piparo

Field Conditions: Sunny, 36/52

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	~~9453-4417~~ 1080797
Turbidity Meter	LaMotte 2020	~~1080797~~ 9453-4417

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	09:27	Time Finish	09:44		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	99.75	6.33	± 10%	NA
Specific Conductance (µS/cm)	4,490	4354.4	6.34	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	6.38	± 0.1	GWMP
pH (SU)	7.00	7.07	6.14	± 0.1	GWMP
pH (SU)	10.00	10.21	6.13	± 0.1	GWMP
ORP (mV)	228.0	229.7	5.64	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.00	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	10.25		

Calibration Check					
Time Start	1446	Time Finish	14:54		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4519.7	14.67	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	10.37	± 0.1	GWMP
pH (SU)	7.00	7.30	11.79	± 0.1	GWMP
pH (SU)	10.00	10.30	12.99	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.20	± 10% of standard	EPA 2023
	1.00	0.85		
	10.00	9.72		

Notes:

Site Name: ~~Jay Sizemore~~ Plant Boone AP **Field Instrumentation Calibration Form** Date: 11/22/24

Calibrated By: ~~850762~~ Jay Sizemore Field Conditions: 48°/36°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	7042-3818

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	1008	Time Finish	1026		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	104.18	10.65	± 10%	NA
Specific Conductance (µS/cm)	4,490	4363.5	9.76	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	9.49	± 0.1	GWMP
pH (SU)	7.00	7.08	8.95	± 0.1	GWMP
pH (SU)	10.00	10.17	8.55	± 0.1	GWMP
ORP (mV)	228.0	242.1	12.05	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.00	± 10% of standard	EPA 2023
	1.00	0.92		
	10.00	10.24		

Calibration Check					
Time Start	1433	Time Finish	1446		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4444.7	11.50	± 10% of standard	EPA 2023
pH (SU)	4.00	4.20	11.13	± 0.1	GWMP
pH (SU)	7.00	7.22	12.39	± 0.1	GWMP
pH (SU)	10.00	10.18	14.76	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.00	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	9.82		

Notes:

Site Name: Bowen AP

Field Instrumentation Calibration Form

Date: 11.25.24

Calibrated By: Sawyer Hovacs

Field Conditions: overcast, 37/73

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
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	13:15	Time Finish	13:30		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	98.91	28.99	± 10%	NA
Specific Conductance (µS/cm)	4,490	4301.1	24.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	23.72	± 0.1	GWMP
pH (SU)	7.00	7.05	22.32	± 0.1	GWMP
pH (SU)	10.00	10.09	21.85	± 0.1	GWMP
ORP (mV)	228.0	198.5	22.25	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.07	± 10% of standard	EPA 2023
	1.00	0.72		
	10.00	7.50		

Calibration Check					
Time Start	16:55	Time Finish	17:00		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	3098.6	22.64	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	23.21	± 0.1	GWMP
pH (SU)	7.00	7.26	~~37~~ 23.10	± 0.1	GWMP
pH (SU)	10.00	10.26	22.87	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.71		
	10.00	8.29		

Notes:

APPENDIX D

Certified Well Survey Data

Well ID	Casing Northing	Casing Easting	Top of Casing Elevation	Nail or Pad Northing	Nail or Pad Easting	Nail or Pad Elevation	Description
INW-01	1501330.79	2064346.11	691.83	1501330.96	2064347.18	692.19	NAIL
PT-04	1501327.52	2064340.94	691.68	1501327.67	2064341.95	692.06	NAIL
PT-05	1501344.14	2064338.76	691.43	1501344.30	2064339.89	691.80	NAIL
PT-06	1501340.00	2064330.08	691.31	1501340.10	2064330.29	691.78	NAIL
Benchmark	Northing	Easting	Elevation				
BM-B1	1504573.79	2067395.89	717.78				

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING. DATE OF FIELD SURVEY & INSPECTION: 11/25/2024. FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NAD'83, 0.01 VERTICAL-NAVD '88. EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R10 RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION. THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARK BM-B1 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



11/26/2024



COA - LS003119
Exp. 06/30/2025

APPENDIX B

Baseline 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

December 18, 2024

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

RE: Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

CERTIFICATIONS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

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

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92767550001	**BOW-PT-02**	Water	12/03/24 11:29	12/05/24 11:35
92767550002	**BOW-PT-04**	Water	12/03/24 13:33	12/05/24 11:35
92767550003	**BOW-INW-01**	Water	12/03/24 11:18	12/05/24 11:35
92767550004	**BOW-AP1-FD-01**	Water	12/03/24 00:00	12/05/24 11:35
92767550005	**BOW-PT-05**	Water	12/04/24 13:21	12/05/24 11:35
92767550006	**BOW-PT-06**	Water	12/04/24 14:44	12/05/24 11:35
92767550007	**BOW-BGWC-22**	Water	12/04/24 11:27	12/05/24 11:35
92767550008	**BOW-AP1-FB-01**	Water	12/04/24 14:58	12/05/24 11:35
92767550009	**BOW-AP1-EB-01**	Water	12/04/24 15:05	12/05/24 11:35

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92767550001	**BOW-PT-02**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550002	**BOW-PT-04**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550003	**BOW-INW-01**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550004	**BOW-AP1-FD-01**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550005	**BOW-PT-05**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550006	**BOW-PT-06**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550007	**BOW-BGWC-22**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550008	**BOW-AP1-FB-01**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92767550009	**BOW-AP1-EB-01**	EPA 6010D	MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3

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

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SUMMARY OF DETECTION

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92767550001	**BOW-PT-02**					
EPA 6010D	Calcium	727	mg/L	5.0	12/06/24 12:32	M1
EPA 6010D	Iron	0.12	mg/L	0.040	12/06/24 02:12	
EPA 6010D	Manganese	4.2	mg/L	0.040	12/06/24 02:12	M1
EPA 6010D	Potassium	15.6	mg/L	0.50	12/06/24 02:12	M1
EPA 6010D	Sodium	39.5	mg/L	1.0	12/06/24 02:12	M1
EPA 6010D	Magnesium	101	mg/L	0.050	12/06/24 02:12	M1
EPA 6020B	Arsenic	0.0063	mg/L	0.0050	12/06/24 15:20	B
EPA 6020B	Barium	0.060	mg/L	0.0050	12/06/24 15:20	
EPA 6020B	Boron	15.9	mg/L	2.0	12/07/24 13:19	
EPA 6020B	Cadmium	0.00034J	mg/L	0.00050	12/06/24 15:20	
EPA 6020B	Cobalt	0.0076	mg/L	0.0050	12/06/24 15:20	
EPA 6020B	Lithium	0.015J	mg/L	0.030	12/06/24 15:20	
EPA 6020B	Molybdenum	0.055	mg/L	0.010	12/06/24 15:20	
EPA 6020B	Thallium	0.00099J	mg/L	0.0010	12/06/24 15:20	
SM 2540C-2015	Total Dissolved Solids	3140	mg/L	50.0	12/09/24 18:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	133	mg/L	5.0	12/06/24 22:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	133	mg/L	5.0	12/06/24 22:11	
EPA 300.0 Rev 2.1 1993	Chloride	797	mg/L	15.0	12/06/24 15:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.27	mg/L	0.10	12/06/24 03:56	
EPA 300.0 Rev 2.1 1993	Sulfate	541	mg/L	15.0	12/06/24 15:20	
92767550002	**BOW-PT-04**					
EPA 6010D	Iron	0.32	mg/L	0.040	12/06/24 02:42	
EPA 6010D	Manganese	3.3	mg/L	0.040	12/06/24 02:42	
EPA 6010D	Potassium	13.5	mg/L	0.50	12/06/24 02:42	
EPA 6010D	Sodium	44.7	mg/L	1.0	12/06/24 02:42	
EPA 6010D	Magnesium	104	mg/L	0.050	12/06/24 02:42	
EPA 6010D	Calcium	659	mg/L	5.0	12/06/24 12:46	
EPA 6020B	Arsenic	0.0087	mg/L	0.0050	12/06/24 15:24	
EPA 6020B	Barium	0.11	mg/L	0.0050	12/06/24 15:24	
EPA 6020B	Boron	15.4	mg/L	2.0	12/07/24 13:23	
EPA 6020B	Cobalt	0.0072	mg/L	0.0050	12/06/24 15:24	
EPA 6020B	Lithium	0.0082J	mg/L	0.030	12/06/24 15:24	
EPA 6020B	Molybdenum	0.035	mg/L	0.010	12/06/24 15:24	
EPA 6020B	Selenium	0.0012J	mg/L	0.0050	12/06/24 15:24	
SM 2540C-2015	Total Dissolved Solids	2440	mg/L	50.0	12/06/24 12:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	130	mg/L	5.0	12/06/24 22:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	130	mg/L	5.0	12/06/24 22:21	
EPA 300.0 Rev 2.1 1993	Chloride	761	mg/L	15.0	12/06/24 15:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	12/06/24 04:11	
EPA 300.0 Rev 2.1 1993	Sulfate	527	mg/L	15.0	12/06/24 15:35	
92767550003	**BOW-INW-01**					
EPA 6010D	Iron	2.1	mg/L	0.040	12/06/24 02:48	
EPA 6010D	Manganese	5.2	mg/L	0.040	12/06/24 02:48	
EPA 6010D	Potassium	19.7	mg/L	0.50	12/06/24 02:48	
EPA 6010D	Sodium	54.5	mg/L	1.0	12/06/24 02:48	
EPA 6010D	Magnesium	100	mg/L	0.050	12/06/24 02:48	

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SUMMARY OF DETECTION

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92767550003	**BOW-INW-01**					
EPA 6010D	Calcium	717	mg/L	5.0	12/06/24 12:51	
EPA 6020B	Arsenic	0.0092	mg/L	0.0050	12/06/24 15:39	
EPA 6020B	Barium	0.085	mg/L	0.0050	12/06/24 15:39	
EPA 6020B	Boron	16.8	mg/L	2.0	12/07/24 13:35	
EPA 6020B	Cobalt	0.011	mg/L	0.0050	12/06/24 15:39	
EPA 6020B	Lithium	0.0085J	mg/L	0.030	12/06/24 15:39	
EPA 6020B	Molybdenum	0.063	mg/L	0.010	12/06/24 15:39	
SM 2540C-2015	Total Dissolved Solids	2830	mg/L	50.0	12/06/24 12:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	128	mg/L	5.0	12/06/24 22:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	128	mg/L	5.0	12/06/24 22:30	
EPA 300.0 Rev 2.1 1993	Chloride	830	mg/L	15.0	12/06/24 15:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.29	mg/L	0.10	12/06/24 04:25	
EPA 300.0 Rev 2.1 1993	Sulfate	572	mg/L	15.0	12/06/24 15:49	
92767550004	**BOW-AP1-FD-01**					
EPA 6010D	Iron	2.1	mg/L	0.040	12/06/24 02:53	
EPA 6010D	Manganese	5.1	mg/L	0.040	12/06/24 02:53	
EPA 6010D	Potassium	19.7	mg/L	0.50	12/06/24 02:53	
EPA 6010D	Sodium	54.6	mg/L	1.0	12/06/24 02:53	
EPA 6010D	Magnesium	99.7	mg/L	0.050	12/06/24 02:53	
EPA 6010D	Calcium	712	mg/L	5.0	12/06/24 12:56	
EPA 6020B	Arsenic	0.0096	mg/L	0.0050	12/06/24 15:43	
EPA 6020B	Barium	0.083	mg/L	0.0050	12/06/24 15:43	
EPA 6020B	Boron	16.1	mg/L	2.0	12/07/24 13:39	
EPA 6020B	Cobalt	0.011	mg/L	0.0050	12/06/24 15:43	
EPA 6020B	Lithium	0.0081J	mg/L	0.030	12/06/24 15:43	
EPA 6020B	Molybdenum	0.062	mg/L	0.010	12/06/24 15:43	
EPA 6020B	Selenium	0.0012J	mg/L	0.0050	12/06/24 15:43	
SM 2540C-2015	Total Dissolved Solids	3020	mg/L	50.0	12/06/24 12:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	12/06/24 22:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	132	mg/L	5.0	12/06/24 22:40	
EPA 300.0 Rev 2.1 1993	Chloride	831	mg/L	15.0	12/06/24 16:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.29	mg/L	0.10	12/06/24 04:39	
EPA 300.0 Rev 2.1 1993	Sulfate	571	mg/L	15.0	12/06/24 16:04	
92767550005	**BOW-PT-05**					
EPA 6010D	Iron	0.26	mg/L	0.040	12/06/24 02:58	
EPA 6010D	Manganese	0.51	mg/L	0.040	12/06/24 02:58	
EPA 6010D	Potassium	5.2	mg/L	0.50	12/06/24 02:58	
EPA 6010D	Sodium	35.4	mg/L	1.0	12/06/24 02:58	
EPA 6010D	Magnesium	136	mg/L	0.050	12/06/24 02:58	
EPA 6010D	Calcium	592	mg/L	5.0	12/06/24 13:01	
EPA 6020B	Arsenic	0.016	mg/L	0.0050	12/06/24 15:46	
EPA 6020B	Barium	0.16	mg/L	0.0050	12/06/24 15:46	
EPA 6020B	Boron	11.7	mg/L	2.0	12/07/24 13:43	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	12/06/24 15:46	
EPA 6020B	Lithium	0.0021J	mg/L	0.030	12/06/24 15:46	
EPA 6020B	Molybdenum	0.016	mg/L	0.010	12/06/24 15:46	

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SUMMARY OF DETECTION

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92767550005	**BOW-PT-05**					
SM 2540C-2015	Total Dissolved Solids	2420	mg/L	50.0	12/06/24 12:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	12/06/24 22:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	123	mg/L	5.0	12/06/24 22:48	
EPA 300.0 Rev 2.1 1993	Chloride	741	mg/L	15.0	12/06/24 16:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	12/06/24 04:54	
EPA 300.0 Rev 2.1 1993	Sulfate	511	mg/L	15.0	12/06/24 16:19	
92767550006	**BOW-PT-06**					
EPA 6010D	Manganese	0.94	mg/L	0.040	12/06/24 03:03	
EPA 6010D	Potassium	10.7	mg/L	0.50	12/06/24 03:03	
EPA 6010D	Sodium	36.7	mg/L	1.0	12/06/24 03:03	
EPA 6010D	Magnesium	136	mg/L	0.050	12/06/24 03:03	
EPA 6010D	Calcium	732	mg/L	5.0	12/06/24 13:06	
EPA 6020B	Arsenic	0.017	mg/L	0.0050	12/06/24 16:35	
EPA 6020B	Barium	0.10	mg/L	0.0050	12/06/24 16:35	
EPA 6020B	Boron	14.8	mg/L	2.0	12/07/24 13:47	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	12/06/24 16:35	
EPA 6020B	Lithium	0.0079J	mg/L	0.030	12/06/24 16:35	
EPA 6020B	Molybdenum	0.0074J	mg/L	0.010	12/06/24 16:35	
EPA 6020B	Selenium	0.0011J	mg/L	0.0050	12/06/24 16:35	
EPA 6020B	Thallium	0.0026	mg/L	0.0010	12/06/24 16:35	
SM 2540C-2015	Total Dissolved Solids	2870	mg/L	50.0	12/06/24 12:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	112	mg/L	5.0	12/06/24 22:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	112	mg/L	5.0	12/06/24 22:57	
EPA 300.0 Rev 2.1 1993	Chloride	888	mg/L	15.0	12/06/24 16:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	12/06/24 05:08	
EPA 300.0 Rev 2.1 1993	Sulfate	588	mg/L	15.0	12/06/24 16:33	
92767550007	**BOW-BGWC-22**					
EPA 6010D	Calcium	658	mg/L	5.0	12/06/24 03:13	
EPA 6010D	Iron	0.067	mg/L	0.040	12/06/24 03:08	
EPA 6010D	Manganese	4.7	mg/L	0.040	12/06/24 03:08	
EPA 6010D	Potassium	14.3	mg/L	0.50	12/06/24 03:08	
EPA 6010D	Sodium	31.7	mg/L	1.0	12/06/24 03:08	
EPA 6010D	Magnesium	88.3	mg/L	0.050	12/06/24 03:08	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	12/06/24 16:39	
EPA 6020B	Arsenic	0.010	mg/L	0.0050	12/06/24 16:39	
EPA 6020B	Barium	0.056	mg/L	0.0050	12/06/24 16:39	
EPA 6020B	Beryllium	0.00011J	mg/L	0.00050	12/06/24 16:39	
EPA 6020B	Boron	14.3	mg/L	0.20	12/06/24 16:42	
EPA 6020B	Cadmium	0.0012	mg/L	0.00050	12/06/24 16:39	
EPA 6020B	Cobalt	0.017	mg/L	0.0050	12/06/24 16:39	
EPA 6020B	Lithium	0.018J	mg/L	0.030	12/06/24 16:39	
EPA 6020B	Molybdenum	0.038	mg/L	0.010	12/06/24 16:39	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	12/06/24 16:39	
EPA 6020B	Thallium	0.00092J	mg/L	0.0010	12/06/24 16:39	
SM 2540C-2015	Total Dissolved Solids	2760	mg/L	50.0	12/06/24 12:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	121	mg/L	5.0	12/06/24 23:06	

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SUMMARY OF DETECTION

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92767550007	**BOW-BGWC-22**					
SM 2320B-2011	Alkalinity, Total as CaCO3	121	mg/L	5.0	12/06/24 23:06	
EPA 300.0 Rev 2.1 1993	Chloride	753	mg/L	15.0	12/06/24 16:48	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.25	mg/L	0.10	12/06/24 05:52	
EPA 300.0 Rev 2.1 1993	Sulfate	535	mg/L	15.0	12/06/24 16:48	M1
92767550008	**BOW-AP1-FB-01**					
EPA 6020B	Arsenic	0.0036J	mg/L	0.0050	12/06/24 16:46	B
SM 2540C-2015	Total Dissolved Solids	61.0	mg/L	25.0	12/06/24 12:07	
92767550009	**BOW-AP1-EB-01**					
EPA 6020B	Arsenic	0.0032J	mg/L	0.0050	12/06/24 16:50	B
EPA 6020B	Molybdenum	0.0016J	mg/L	0.010	12/06/24 16:50	
SM 2540C-2015	Total Dissolved Solids	25.0	mg/L	25.0	12/06/24 12:08	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-02 **Lab ID: 92767550001** Collected: 12/03/24 11:29 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**727**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 12:32	7440-70-2	M1
Iron	**0.12**	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 02:12	7439-89-6	
Manganese	**4.2**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 02:12	7439-96-5	M1
Potassium	**15.6**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 02:12	7440-09-7	M1
Sodium	**39.5**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 02:12	7440-23-5	M1
Magnesium	**101**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 02:12	7439-95-4	M1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 15:20	7440-36-0	
Arsenic	**0.0063**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 15:20	7440-38-2	B
Barium	**0.060**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 15:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 15:20	7440-41-7	
Boron	**15.9**	mg/L	2.0	0.60	50	12/05/24 17:00	12/07/24 13:19	7440-42-8	
Cadmium	**0.00034J**	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 15:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 15:20	7440-47-3	
Cobalt	**0.0076**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 15:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 15:20	7439-92-1	
Lithium	**0.015J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 15:20	7439-93-2	
Molybdenum	**0.055**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 15:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 15:20	7782-49-2	
Thallium	**0.00099J**	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 15:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 12:45	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**3140**	mg/L	50.0	50.0	1		12/09/24 18:09		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**133**	mg/L	5.0	5.0	1		12/06/24 22:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 22:11		
Alkalinity, Total as CaCO3	**133**	mg/L	5.0	5.0	1		12/06/24 22:11		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**797**	mg/L	15.0	9.0	15		12/06/24 15:20	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-02 **Lab ID: 92767550001** Collected: 12/03/24 11:29 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.27**	mg/L	0.10	0.050	1		12/06/24 03:56	16984-48-8	
Sulfate	**541**	mg/L	15.0	7.5	15		12/06/24 15:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-04 **Lab ID: 92767550002** Collected: 12/03/24 13:33 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.32**	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 02:42	7439-89-6	
Manganese	**3.3**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 02:42	7439-96-5	
Potassium	**13.5**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 02:42	7440-09-7	
Sodium	**44.7**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 02:42	7440-23-5	
Magnesium	**104**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 02:42	7439-95-4	
Calcium	**659**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 12:46	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 15:24	7440-36-0	
Arsenic	**0.0087**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 15:24	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 15:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 15:24	7440-41-7	
Boron	**15.4**	mg/L	2.0	0.60	50	12/05/24 17:00	12/07/24 13:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 15:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 15:24	7440-47-3	
Cobalt	**0.0072**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 15:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 15:24	7439-92-1	
Lithium	**0.0082J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 15:24	7439-93-2	
Molybdenum	**0.035**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 15:24	7439-98-7	
Selenium	**0.0012J**	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 15:24	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 15:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 12:48	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2440**	mg/L	50.0	50.0	1		12/06/24 12:05		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**130**	mg/L	5.0	5.0	1		12/06/24 22:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 22:21		
Alkalinity, Total as CaCO3	**130**	mg/L	5.0	5.0	1		12/06/24 22:21		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**761**	mg/L	15.0	9.0	15		12/06/24 15:35	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-04 **Lab ID: 92767550002** Collected: 12/03/24 13:33 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.18**	mg/L	0.10	0.050	1		12/06/24 04:11	16984-48-8	
Sulfate	**527**	mg/L	15.0	7.5	15		12/06/24 15:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-INW-01 **Lab ID: 92767550003** Collected: 12/03/24 11:18 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**2.1**	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 02:48	7439-89-6	
Manganese	**5.2**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 02:48	7439-96-5	
Potassium	**19.7**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 02:48	7440-09-7	
Sodium	**54.5**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 02:48	7440-23-5	
Magnesium	**100**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 02:48	7439-95-4	
Calcium	**717**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 12:51	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 15:39	7440-36-0	
Arsenic	**0.0092**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 15:39	7440-38-2	
Barium	**0.085**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 15:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 15:39	7440-41-7	
Boron	**16.8**	mg/L	2.0	0.60	50	12/05/24 17:00	12/07/24 13:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 15:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 15:39	7440-47-3	
Cobalt	**0.011**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 15:39	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 15:39	7439-92-1	
Lithium	**0.0085J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 15:39	7439-93-2	
Molybdenum	**0.063**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 15:39	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 15:39	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 15:39	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 12:56	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2830**	mg/L	50.0	50.0	1		12/06/24 12:05		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**128**	mg/L	5.0	5.0	1		12/06/24 22:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 22:30		
Alkalinity, Total as CaCO3	**128**	mg/L	5.0	5.0	1		12/06/24 22:30		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**830**	mg/L	15.0	9.0	15		12/06/24 15:49	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-INW-01 **Lab ID: 92767550003** Collected: 12/03/24 11:18 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.29**	mg/L	0.10	0.050	1		12/06/24 04:25	16984-48-8	
Sulfate	**572**	mg/L	15.0	7.5	15		12/06/24 15:49	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-AP1-FD-01 **Lab ID: 92767550004** Collected: 12/03/24 00:00 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**2.1**	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 02:53	7439-89-6	
Manganese	**5.1**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 02:53	7439-96-5	
Potassium	**19.7**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 02:53	7440-09-7	
Sodium	**54.6**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 02:53	7440-23-5	
Magnesium	**99.7**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 02:53	7439-95-4	
Calcium	**712**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 12:56	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 15:43	7440-36-0	
Arsenic	**0.0096**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 15:43	7440-38-2	
Barium	**0.083**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 15:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 15:43	7440-41-7	
Boron	**16.1**	mg/L	2.0	0.60	50	12/05/24 17:00	12/07/24 13:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 15:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 15:43	7440-47-3	
Cobalt	**0.011**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 15:43	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 15:43	7439-92-1	
Lithium	**0.0081J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 15:43	7439-93-2	
Molybdenum	**0.062**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 15:43	7439-98-7	
Selenium	**0.0012J**	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 15:43	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 15:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 12:58	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**3020**	mg/L	50.0	50.0	1		12/06/24 12:06		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**132**	mg/L	5.0	5.0	1		12/06/24 22:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 22:40		
Alkalinity, Total as CaCO3	**132**	mg/L	5.0	5.0	1		12/06/24 22:40		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**831**	mg/L	15.0	9.0	15		12/06/24 16:04	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-AP1-FD-01 **Lab ID: 92767550004** Collected: 12/03/24 00:00 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.29**	mg/L	0.10	0.050	1		12/06/24 04:39	16984-48-8	
Sulfate	**571**	mg/L	15.0	7.5	15		12/06/24 16:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-05 **Lab ID: 92767550005** Collected: 12/04/24 13:21 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.26**	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 02:58	7439-89-6	
Manganese	**0.51**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 02:58	7439-96-5	
Potassium	**5.2**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 02:58	7440-09-7	
Sodium	**35.4**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 02:58	7440-23-5	
Magnesium	**136**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 02:58	7439-95-4	
Calcium	**592**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 13:01	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 15:46	7440-36-0	
Arsenic	**0.016**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 15:46	7440-38-2	
Barium	**0.16**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 15:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 15:46	7440-41-7	
Boron	**11.7**	mg/L	2.0	0.60	50	12/05/24 17:00	12/07/24 13:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 15:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 15:46	7440-47-3	
Cobalt	**0.0016J**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 15:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 15:46	7439-92-1	
Lithium	**0.0021J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 15:46	7439-93-2	
Molybdenum	**0.016**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 15:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 15:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 15:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 13:01	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2420**	mg/L	50.0	50.0	1		12/06/24 12:06		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**123**	mg/L	5.0	5.0	1		12/06/24 22:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 22:48		
Alkalinity, Total as CaCO3	**123**	mg/L	5.0	5.0	1		12/06/24 22:48		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**741**	mg/L	15.0	9.0	15		12/06/24 16:19	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-05 **Lab ID: 92767550005** Collected: 12/04/24 13:21 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.12**	mg/L	0.10	0.050	1		12/06/24 04:54	16984-48-8	
Sulfate	**511**	mg/L	15.0	7.5	15		12/06/24 16:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-06 **Lab ID: 92767550006** Collected: 12/04/24 14:44 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 03:03	7439-89-6	
Manganese	**0.94**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 03:03	7439-96-5	
Potassium	**10.7**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 03:03	7440-09-7	
Sodium	**36.7**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 03:03	7440-23-5	
Magnesium	**136**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 03:03	7439-95-4	
Calcium	**732**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 13:06	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 16:35	7440-36-0	
Arsenic	**0.017**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 16:35	7440-38-2	
Barium	**0.10**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 16:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 16:35	7440-41-7	
Boron	**14.8**	mg/L	2.0	0.60	50	12/05/24 17:00	12/07/24 13:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 16:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 16:35	7440-47-3	
Cobalt	**0.0012J**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 16:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 16:35	7439-92-1	
Lithium	**0.0079J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 16:35	7439-93-2	
Molybdenum	**0.0074J**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 16:35	7439-98-7	
Selenium	**0.0011J**	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 16:35	7782-49-2	
Thallium	**0.0026**	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 16:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 13:04	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2870**	mg/L	50.0	50.0	1		12/06/24 12:06		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**112**	mg/L	5.0	5.0	1		12/06/24 22:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 22:57		
Alkalinity, Total as CaCO3	**112**	mg/L	5.0	5.0	1		12/06/24 22:57		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:52	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**888**	mg/L	15.0	9.0	15		12/06/24 16:33	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-PT-06 **Lab ID: 92767550006** Collected: 12/04/24 14:44 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.12**	mg/L	0.10	0.050	1		12/06/24 05:08	16984-48-8	
Sulfate	**588**	mg/L	15.0	7.5	15		12/06/24 16:33	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-BGWC-22 **Lab ID: 92767550007** Collected: 12/04/24 11:27 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**658**	mg/L	5.0	0.61	5	12/05/24 17:27	12/06/24 03:13	7440-70-2	
Iron	**0.067**	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 03:08	7439-89-6	
Manganese	**4.7**	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 03:08	7439-96-5	
Potassium	**14.3**	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 03:08	7440-09-7	
Sodium	**31.7**	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 03:08	7440-23-5	
Magnesium	**88.3**	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 03:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0011J**	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 16:39	7440-36-0	
Arsenic	**0.010**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 16:39	7440-38-2	
Barium	**0.056**	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 16:39	7440-39-3	
Beryllium	**0.00011J**	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 16:39	7440-41-7	
Boron	**14.3**	mg/L	0.20	0.060	5	12/05/24 17:00	12/06/24 16:42	7440-42-8	
Cadmium	**0.0012**	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 16:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 16:39	7440-47-3	
Cobalt	**0.017**	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 16:39	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 16:39	7439-92-1	
Lithium	**0.018J**	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 16:39	7439-93-2	
Molybdenum	**0.038**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 16:39	7439-98-7	
Selenium	**0.0015J**	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 16:39	7782-49-2	
Thallium	**0.00092J**	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 16:39	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 13:06	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2760**	mg/L	50.0	50.0	1		12/06/24 12:06		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**121**	mg/L	5.0	5.0	1		12/06/24 23:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 23:06		
Alkalinity, Total as CaCO3	**121**	mg/L	5.0	5.0	1		12/06/24 23:06		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:52	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**753**	mg/L	15.0	9.0	15		12/06/24 16:48	16887-00-6	M1

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-BGWC-22 **Lab ID: 92767550007** Collected: 12/04/24 11:27 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.25**	mg/L	0.10	0.050	1		12/06/24 05:52	16984-48-8	
Sulfate	**535**	mg/L	15.0	7.5	15		12/06/24 16:48	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-AP1-FB-01 **Lab ID: 92767550008** Collected: 12/04/24 14:58 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 03:28	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 03:28	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 03:28	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 03:28	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	12/05/24 17:27	12/06/24 03:28	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 03:28	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 16:46	7440-36-0	
Arsenic	**0.0036J**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 16:46	7440-38-2	B
Barium	ND	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 16:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 16:46	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	12/05/24 17:00	12/07/24 13:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 16:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 16:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 16:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 16:46	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 16:46	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 16:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 16:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 16:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 13:09	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**61.0**	mg/L	25.0	25.0	1		12/06/24 12:07		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 23:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 23:15		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		12/06/24 23:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:54	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		12/06/24 00:48	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-AP1-FB-01 **Lab ID: 92767550008** Collected: 12/04/24 14:58 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		12/06/24 00:48	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		12/06/24 00:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-AP1-EB-01 **Lab ID: 92767550009** Collected: 12/04/24 15:05 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	12/05/24 17:27	12/06/24 03:33	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	12/05/24 17:27	12/06/24 03:33	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	12/05/24 17:27	12/06/24 03:33	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	12/05/24 17:27	12/06/24 03:33	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	12/05/24 17:27	12/06/24 03:33	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	12/05/24 17:27	12/06/24 03:33	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	12/05/24 17:00	12/06/24 16:50	7440-36-0	
Arsenic	**0.0032J**	mg/L	0.0050	0.00084	1	12/05/24 17:00	12/06/24 16:50	7440-38-2	B
Barium	ND	mg/L	0.0050	0.00047	1	12/05/24 17:00	12/06/24 16:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	12/05/24 17:00	12/06/24 16:50	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	12/05/24 17:00	12/07/24 13:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	12/05/24 17:00	12/06/24 16:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	12/05/24 17:00	12/06/24 16:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	12/05/24 17:00	12/06/24 16:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	12/05/24 17:00	12/06/24 16:50	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	12/05/24 17:00	12/06/24 16:50	7439-93-2	
Molybdenum	**0.0016J**	mg/L	0.010	0.00062	1	12/05/24 17:00	12/06/24 16:50	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	12/05/24 17:00	12/06/24 16:50	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	12/05/24 17:00	12/06/24 16:50	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	12/09/24 09:00	12/09/24 13:12	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**25.0**	mg/L	25.0	25.0	1		12/06/24 12:08		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 23:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		12/06/24 23:19		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		12/06/24 23:19		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		12/07/24 03:54	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		12/06/24 01:03	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

Sample: BOW-AP1-EB-01 **Lab ID: 92767550009** Collected: 12/04/24 15:05 Received: 12/05/24 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		12/06/24 01:03	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		12/06/24 01:03	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900611
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4635934 Matrix: Water
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	12/06/24 02:02	
Iron	mg/L	ND	0.040	0.025	12/06/24 02:02	
Magnesium	mg/L	ND	0.050	0.012	12/06/24 02:02	
Manganese	mg/L	ND	0.040	0.011	12/06/24 02:02	
Potassium	mg/L	ND	0.50	0.15	12/06/24 02:02	
Sodium	mg/L	ND	1.0	0.58	12/06/24 02:02	

LABORATORY CONTROL SAMPLE: 4635935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	108	80-120	
Iron	mg/L	1	1.1	108	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Manganese	mg/L	1	1.1	105	80-120	
Potassium	mg/L	1	1.1	107	80-120	
Sodium	mg/L	1	1.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4635936 4635937

Parameter	Units	92767550001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	727	1	1	693	688	-3330	-3850	75-125	1	20	M1
Iron	mg/L	0.12	1	1	1.2	1.2	103	104	75-125	1	20	
Magnesium	mg/L	101	1	1	97.8	96.2	-328	-494	75-125	2	20	M1
Manganese	mg/L	4.2	1	1	4.9	4.9	75	73	75-125	0	20	M1
Potassium	mg/L	15.6	1	1	16.1	15.8	52	18	75-125	2	20	M1
Sodium	mg/L	39.5	1	1	38.9	38.1	-55	-137	75-125	2	20	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900612
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4635939 Matrix: Water
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	12/06/24 15:13	
Arsenic	mg/L	0.00085J	0.0050	0.00084	12/06/24 15:13	
Barium	mg/L	ND	0.0050	0.00047	12/06/24 15:13	
Beryllium	mg/L	ND	0.00050	0.000094	12/06/24 15:13	
Boron	mg/L	ND	0.040	0.012	12/06/24 15:13	
Cadmium	mg/L	ND	0.00050	0.00010	12/06/24 15:13	
Chromium	mg/L	ND	0.0050	0.0019	12/06/24 15:13	
Cobalt	mg/L	ND	0.0050	0.00032	12/06/24 15:13	
Lead	mg/L	ND	0.0010	0.00016	12/06/24 15:13	
Lithium	mg/L	ND	0.030	0.0016	12/06/24 15:13	
Molybdenum	mg/L	ND	0.010	0.00062	12/06/24 15:13	
Selenium	mg/L	ND	0.0050	0.00096	12/06/24 15:13	
Thallium	mg/L	ND	0.0010	0.00038	12/06/24 15:13	

LABORATORY CONTROL SAMPLE: 4635940

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	0.098	98	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4635941 4635942

Parameter	Units	92767550002 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	0.099	0.099	99	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4635941 4635942

Parameter	Units	92767550002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0087	0.1	0.1	0.11	0.11	102	103	75-125	1	20	
Barium	mg/L	0.11	0.1	0.1	0.22	0.23	111	112	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.089	0.089	89	89	75-125	0	20	
Boron	mg/L	15.4	1	1	16.2	16.1	86	78	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Cobalt	mg/L	0.0072	0.1	0.1	0.11	0.11	100	101	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.088	0.089	88	89	75-125	0	20	
Lithium	mg/L	0.0082J	0.1	0.1	0.10	0.10	94	95	75-125	0	20	
Molybdenum	mg/L	0.035	0.1	0.1	0.14	0.14	103	102	75-125	1	20	
Selenium	mg/L	0.0012J	0.1	0.1	0.10	0.10	104	101	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.091	0.092	91	91	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900849
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4637031 Matrix: Water
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	12/09/24 11:54	

LABORATORY CONTROL SAMPLE: 4637032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4637033 4637034

Parameter	Units	92766149002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0023	94	92	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900794 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4636624 Matrix: Water
Associated Lab Samples: 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	12/06/24 12:02	

LABORATORY CONTROL SAMPLE: 4636625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	403	101	80-120	

SAMPLE DUPLICATE: 4636626

Parameter	Units	92767533001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1150	1220	6	10	

SAMPLE DUPLICATE: 4636627

Parameter	Units	92767550007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2760	2720	2	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 901410
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92767550001

METHOD BLANK: 4639522 Matrix: Water
Associated Lab Samples: 92767550001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	12/09/24 18:08	

LABORATORY CONTROL SAMPLE: 4639523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	402	100	80-120	

SAMPLE DUPLICATE: 4639524

Parameter	Units	92767550001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3140	3140	0	10	

SAMPLE DUPLICATE: 4639525

Parameter	Units	92767732006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	216	220	2	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900847
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4637024 Matrix: Water
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	12/06/24 20:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	12/06/24 20:42	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	12/06/24 20:42	

LABORATORY CONTROL SAMPLE: 4637025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	56.9	114	80-120	

LABORATORY CONTROL SAMPLE: 4637026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.3	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4637027 4637028

Parameter	Units	92767533001 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	127	50	50	163	166	72	77	80-120	2	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4637029 4637030

Parameter	Units	92767533002 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	127	50	50	164	167	74	80	80-120	2	25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900997
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: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4638176 Matrix: Water
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	12/07/24 03:46	

LABORATORY CONTROL SAMPLE: 4638177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4638178 4638179

Parameter	Units	92767533001 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	0.49	0.50	95	97	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4638180 4638181

Parameter	Units	92767550007 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	0.47	86	92	80-120	7	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

QC Batch: 900635
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: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

METHOD BLANK: 4636149 Matrix: Water
Associated Lab Samples: 92767550001, 92767550002, 92767550003, 92767550004, 92767550005, 92767550006, 92767550007, 92767550008, 92767550009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	12/05/24 21:55	
Fluoride	mg/L	ND	0.10	0.050	12/05/24 21:55	
Sulfate	mg/L	ND	1.0	0.50	12/05/24 21:55	

LABORATORY CONTROL SAMPLE: 4636150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4636151 4636152

Parameter	Units	92767533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	43.8	50	50	95.7	96.4	104	105	90-110	1	10	
Fluoride	mg/L	0.057J	2.5	2.5	2.5	2.5	97	99	90-110	1	10	
Sulfate	mg/L	573	50	50	636	620	126	93	90-110	3	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4636153 4636154

Parameter	Units	92767550007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	753	50	50	802	792	98	79	90-110	1	10	M1
Fluoride	mg/L	0.25	2.5	2.5	2.8	2.8	101	102	90-110	1	10	
Sulfate	mg/L	535	50	50	588	579	106	88	90-110	2	10	M1

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QUALIFIERS

Project: Bowen AP-1 (CA)
Pace Project No.: 92767550

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

B	Analyte was detected in the associated method blank.
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)
Pace Project No.: 92767550

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92767550001	**BOW-PT-02**	EPA 3010A	900611	EPA 6010D	900664
92767550002	**BOW-PT-04**	EPA 3010A	900611	EPA 6010D	900664
92767550003	**BOW-INW-01**	EPA 3010A	900611	EPA 6010D	900664
92767550004	**BOW-AP1-FD-01**	EPA 3010A	900611	EPA 6010D	900664
92767550005	**BOW-PT-05**	EPA 3010A	900611	EPA 6010D	900664
92767550006	**BOW-PT-06**	EPA 3010A	900611	EPA 6010D	900664
92767550007	**BOW-BGWC-22**	EPA 3010A	900611	EPA 6010D	900664
92767550008	**BOW-AP1-FB-01**	EPA 3010A	900611	EPA 6010D	900664
92767550009	**BOW-AP1-EB-01**	EPA 3010A	900611	EPA 6010D	900664
92767550001	**BOW-PT-02**	EPA 3005A	900612	EPA 6020B	900672
92767550002	**BOW-PT-04**	EPA 3005A	900612	EPA 6020B	900672
92767550003	**BOW-INW-01**	EPA 3005A	900612	EPA 6020B	900672
92767550004	**BOW-AP1-FD-01**	EPA 3005A	900612	EPA 6020B	900672
92767550005	**BOW-PT-05**	EPA 3005A	900612	EPA 6020B	900672
92767550006	**BOW-PT-06**	EPA 3005A	900612	EPA 6020B	900672
92767550007	**BOW-BGWC-22**	EPA 3005A	900612	EPA 6020B	900672
92767550008	**BOW-AP1-FB-01**	EPA 3005A	900612	EPA 6020B	900672
92767550009	**BOW-AP1-EB-01**	EPA 3005A	900612	EPA 6020B	900672
92767550001	**BOW-PT-02**	EPA 7470A	900849	EPA 7470A	901229
92767550002	**BOW-PT-04**	EPA 7470A	900849	EPA 7470A	901229
92767550003	**BOW-INW-01**	EPA 7470A	900849	EPA 7470A	901229
92767550004	**BOW-AP1-FD-01**	EPA 7470A	900849	EPA 7470A	901229
92767550005	**BOW-PT-05**	EPA 7470A	900849	EPA 7470A	901229
92767550006	**BOW-PT-06**	EPA 7470A	900849	EPA 7470A	901229
92767550007	**BOW-BGWC-22**	EPA 7470A	900849	EPA 7470A	901229
92767550008	**BOW-AP1-FB-01**	EPA 7470A	900849	EPA 7470A	901229
92767550009	**BOW-AP1-EB-01**	EPA 7470A	900849	EPA 7470A	901229
92767550001	**BOW-PT-02**	SM 2540C-2015	901410		
92767550002	**BOW-PT-04**	SM 2540C-2015	900794		
92767550003	**BOW-INW-01**	SM 2540C-2015	900794		
92767550004	**BOW-AP1-FD-01**	SM 2540C-2015	900794		
92767550005	**BOW-PT-05**	SM 2540C-2015	900794		
92767550006	**BOW-PT-06**	SM 2540C-2015	900794		
92767550007	**BOW-BGWC-22**	SM 2540C-2015	900794		
92767550008	**BOW-AP1-FB-01**	SM 2540C-2015	900794		
92767550009	**BOW-AP1-EB-01**	SM 2540C-2015	900794		
92767550001	**BOW-PT-02**	SM 2320B-2011	900847		
92767550002	**BOW-PT-04**	SM 2320B-2011	900847		
92767550003	**BOW-INW-01**	SM 2320B-2011	900847		
92767550004	**BOW-AP1-FD-01**	SM 2320B-2011	900847		
92767550005	**BOW-PT-05**	SM 2320B-2011	900847		
92767550006	**BOW-PT-06**	SM 2320B-2011	900847		
92767550007	**BOW-BGWC-22**	SM 2320B-2011	900847		
92767550008	**BOW-AP1-FB-01**	SM 2320B-2011	900847		
92767550009	**BOW-AP1-EB-01**	SM 2320B-2011	900847		
92767550001	**BOW-PT-02**	SM 4500-S2D-2011	900997		

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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: Bowen AP-1 (CA)
Pace Project No.: 92767550

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92767550002	**BOW-PT-04**	SM 4500-S2D-2011	900997		
92767550003	**BOW-INW-01**	SM 4500-S2D-2011	900997		
92767550004	**BOW-AP1-FD-01**	SM 4500-S2D-2011	900997		
92767550005	**BOW-PT-05**	SM 4500-S2D-2011	900997		
92767550006	**BOW-PT-06**	SM 4500-S2D-2011	900997		
92767550007	**BOW-BGWC-22**	SM 4500-S2D-2011	900997		
92767550008	**BOW-AP1-FB-01**	SM 4500-S2D-2011	900997		
92767550009	**BOW-AP1-EB-01**	SM 4500-S2D-2011	900997		
92767550001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	900635		
92767550002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	900635		
92767550003	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	900635		
92767550004	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	900635		
92767550005	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	900635		
92767550006	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	900635		
92767550007	**BOW-BGWC-22**	EPA 300.0 Rev 2.1 1993	900635		
92767550008	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	900635		
92767550009	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	900635		

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Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92767550

92767550

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: 12/5/24 EG

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.8 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.8

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:** _____

WO#: 92767550

Project #

PM: BV Due Date: 12/09/24

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-)	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																														
1		2	1				1	1																						
2		2	1				1	1																						
3		2	1				1	1																						
4		2	1				1	1																						
5		2	1				1	1																						
6		2	1				1	1																						
7		2	1				1	1																						
8		2	1				1	1																						
9		2	1				1	1																						
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	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 **: 2 | 3 | 3 | 4 | 3

Identify Container Preservative Type***: 1 | 1 | 2 | 5+6 | 1

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 3174933

Preservation confirmed/verified 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), Chalk (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	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	Appendix III, IV, Additional Metals	4500S2D Sulfide	2320B Total Alkalinity, Bicarbonate Alkalinity	Sample Comment
BOW-PT-02	WG	G			12/3/24	1129	5			X	X	X	X	X	001
~~BOW-PT-03~~ JS 12/5/24	~~WG~~	~~G~~					5			X	X	X	X	X	
BOW-PT-04	WG	G			12/3/24	1333	5			X	X	X	X	X	002
BOW-PT-05	WG	G					5			X	X	X	X	X	
BOW-PT-06	WG	G					5			X	X	X	X	X	
BOW-INW-01	WG	G			12/3/24	1118	5			X	X	X	X	X	003
BOW-BGWC-22	WG	G					5			X	X	X	X	X	
BOW-AP1-FD-01	WG	G			12/3/24	—	5			X	X	X	X	X	004
BOW-AP1-FB-01	WQ	G					5			X	X	X	X	X	
BOW-AP1-EB-01	WQ	G					5			X	X	X	X	X	

Additional Instructions from Pace®:
Task Code: ~~BOW-CCR-AGGMT-2024G2~~ BOW-CCR-CA-20241202
App. III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
App. 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
Printed Name
Signature
Resolute Environmental

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

	Date/Time	Received by/Company: (Signature)	Date/Time	Tracking Number:
Relinquished by/Company: (Signature) Resolute Environmental	12/5/24 0843	Received by/Company: (Signature) Pace	12/5/24 0843	
Relinquished by/Company: (Signature) Pace	12/5/24 1135	Received by/Company: (Signature)	12/5/24 1733	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/

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 **: 2 | 3 | 3 | 4 | 3

Identify Container Preservative Type***: 1 | 1 | 2 | 5+6 | 1

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 3174933

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	2540C Total Dissolved Solids	300.0-F-,SO4 2-, Cl-	Appendix III, IV, Additional Metals	4500S2D Sulfide	2320B Total Alkalinity, Bicarbonate Alkalinity	Sample Comment
BOW-PT-02	WG	G					5			X	X	X	X	X	
~~BOW-PT-03~~ IS 12/5/24	~~WG~~	~~G~~	~~12/4/24~~	~~1114~~ WS 12/5/24	~~12/4/24~~ 35 12/4/24	~~1114~~ 35 12/4/24	~~5~~			X	X	X	X	X	
BOW-PT-04	WG	G			12/4/24	1333 12/5/24	5			X	X	X	X	X	
BOW-PT-05	WG	G			12/4/24	1321	5			X	X	X	X	X	005
BOW-PT-06	WG	G			12/4/24	1444	5			X	X	X	X	X	006
BOW-INV-01	WG	G					5			X	X	X	X	X	
BOW-BGWC-22	WG	G			12/4/24	1127	5			X	X	X	X	X	007
BOW-AP1-FD-01	WG	G					5			X	X	X	X	X	
BOW-AP1-FB-01	WQ	G			12/4/24	1454	5			X	X	X	X	X	008
BOW-AP1-EB-01	WQ	G			12/4/24	1505	5			X	X	X	X	X	009

Additional Instructions from Pace*: Task Code: BOW - CLR - CA - 20241202

App. III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
App. 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
Signature: [signature] Resolute Environmental

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:
[signature] Resolute Environmental	12/5/24 0843	Ryan Williams / Pace	12/5/24 0843	
Ryan Williams / Pace	12/5/24 1135	[signature]	12/5/24 1135	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/

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

March 20, 2025

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

RE: Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on February 14, 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

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

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

SAMPLE SUMMARY

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92779870001	**BOW-PT-02**	Water	02/13/25 16:27	02/14/25 09:35
92779870002	**BOW-PT-04**	Water	02/13/25 14:04	02/14/25 09:35
92779870003	**BOW-PT-05**	Water	02/13/25 14:19	02/14/25 09:35
92779870004	**BOW-PT-06**	Water	02/13/25 12:30	02/14/25 09:35
92779870005	**BOW-INW-01**	Water	02/13/25 16:06	02/14/25 09:35
92779870006	**BOW-AP1-FD-01**	Water	02/13/25 00:00	02/14/25 09:35
92779870007	**BOW-AP1-FB-01**	Water	02/13/25 14:43	02/14/25 09:35
92779870008	**BOW-AP1-EB-01**	Water	02/13/25 14:53	02/14/25 09:35

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92779870001	**BOW-PT-02**	EPA 6020B	JPD	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
92779870002	**BOW-PT-04**	EPA 6020B	JPD	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
92779870003	**BOW-PT-05**	EPA 6020B	JPD	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
92779870004	**BOW-PT-06**	EPA 6020B	JPD	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
92779870005	**BOW-INW-01**	EPA 6020B	JPD	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
92779870006	**BOW-AP1-FD-01**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		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
92779870007	**BOW-AP1-FB-01**	EPA 6020B	JPD	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
92779870008	**BOW-AP1-EB-01**	EPA 6020B	JPD	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

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 (CA)
Pace Project No.: 92779870

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779870001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00652J	mg/L	0.0300	03/14/25 12:05	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	160	mg/L	5.0	02/24/25 21:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	160	mg/L	5.0	02/24/25 21:04	
SM 2540C-2015	Total Dissolved Solids	712	mg/L	50.0	02/20/25 12:05	
EPA 300.0 Rev 2.1 1993	Chloride	137	mg/L	3.0	02/16/25 08:15	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	02/15/25 20:58	M1
EPA 300.0 Rev 2.1 1993	Sulfate	131	mg/L	3.0	02/16/25 08:15	M1
EPA 6020B	Barium	0.031	mg/L	0.0050	03/13/25 15:08	
EPA 6020B	Boron	0.0072J	mg/L	0.040	03/16/25 20:10	
EPA 6020B	Calcium	72.3	mg/L	5.0	03/13/25 20:35	
EPA 6020B	Iron	0.89	mg/L	0.040	03/13/25 15:08	
EPA 6020B	Magnesium	5.4	mg/L	0.050	03/13/25 15:08	
EPA 6020B	Manganese	0.037J	mg/L	0.040	03/13/25 15:08	
EPA 6020B	Potassium	0.73	mg/L	0.50	03/13/25 15:08	
EPA 6020B	Sodium	4.0	mg/L	1.0	03/13/25 15:08	
92779870002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00690J	mg/L	0.0300	03/14/25 12:50	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	158	mg/L	5.0	02/24/25 21:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	158	mg/L	5.0	02/24/25 21:14	
SM 2540C-2015	Total Dissolved Solids	1470	mg/L	50.0	02/20/25 12:06	
EPA 300.0 Rev 2.1 1993	Chloride	359	mg/L	9.0	02/16/25 09:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	02/15/25 21:45	
EPA 300.0 Rev 2.1 1993	Sulfate	300	mg/L	9.0	02/16/25 09:33	
EPA 6020B	Barium	0.12	mg/L	0.0050	03/13/25 15:15	
EPA 6020B	Boron	0.013J	mg/L	0.040	03/16/25 20:19	
EPA 6020B	Calcium	58.7	mg/L	1.0	03/13/25 15:15	
EPA 6020B	Iron	1.0	mg/L	0.040	03/13/25 15:15	
EPA 6020B	Magnesium	11.2	mg/L	0.050	03/13/25 15:15	
EPA 6020B	Manganese	0.0095J	mg/L	0.040	03/13/25 15:15	
EPA 6020B	Potassium	0.45J	mg/L	0.50	03/13/25 15:15	
EPA 6020B	Sodium	10.6	mg/L	1.0	03/13/25 15:15	
92779870003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00528J	mg/L	0.0300	03/14/25 12:53	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	143	mg/L	5.0	02/24/25 21:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	143	mg/L	5.0	02/24/25 21:24	
SM 2540C-2015	Total Dissolved Solids	1940	mg/L	50.0	02/20/25 12:06	
EPA 300.0 Rev 2.1 1993	Chloride	495	mg/L	13.0	02/16/25 09:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	02/15/25 22:01	
EPA 300.0 Rev 2.1 1993	Sulfate	373	mg/L	13.0	02/16/25 09:48	
EPA 6020B	Barium	0.029	mg/L	0.0050	03/13/25 15:21	
EPA 6020B	Boron	0.0076J	mg/L	0.040	03/16/25 20:28	
EPA 6020B	Calcium	51.5	mg/L	1.0	03/13/25 15:21	
EPA 6020B	Iron	0.56	mg/L	0.040	03/13/25 15:21	
EPA 6020B	Magnesium	5.4	mg/L	0.050	03/13/25 15:21	
EPA 6020B	Potassium	0.69	mg/L	0.50	03/13/25 15:21	
EPA 6020B	Sodium	4.7	mg/L	1.0	03/13/25 15:21	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779870004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00753J	mg/L	0.0300	03/14/25 12:56	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	113	mg/L	5.0	02/24/25 21:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	113	mg/L	5.0	02/24/25 21:34	
SM 2540C-2015	Total Dissolved Solids	2640	mg/L	50.0	02/20/25 12:06	
EPA 300.0 Rev 2.1 1993	Chloride	688	mg/L	36.0	02/16/25 10:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	02/15/25 22:17	
EPA 300.0 Rev 2.1 1993	Sulfate	434	mg/L	36.0	02/16/25 10:04	
EPA 6020B	Barium	0.027	mg/L	0.0050	03/13/25 15:28	
EPA 6020B	Boron	0.0072J	mg/L	0.040	03/16/25 20:37	
EPA 6020B	Calcium	7.1	mg/L	1.0	03/13/25 15:28	
EPA 6020B	Chromium	0.0041J	mg/L	0.0050	03/13/25 15:28	
EPA 6020B	Iron	0.27	mg/L	0.040	03/13/25 15:28	
EPA 6020B	Magnesium	2.5	mg/L	0.050	03/13/25 15:28	
EPA 6020B	Manganese	0.0022J	mg/L	0.040	03/13/25 15:28	
EPA 6020B	Potassium	0.84	mg/L	0.50	03/13/25 15:28	
EPA 6020B	Sodium	3.7	mg/L	1.0	03/13/25 15:28	
92779870005	**BOW-INW-01**					
EPA 6020B	Lithium	0.00527J	mg/L	0.0300	03/14/25 12:59	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	170	mg/L	5.0	02/24/25 21:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	170	mg/L	5.0	02/24/25 21:43	
SM 2540C-2015	Total Dissolved Solids	702	mg/L	50.0	02/20/25 12:06	1g
EPA 300.0 Rev 2.1 1993	Chloride	138	mg/L	3.0	02/16/25 10:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	02/15/25 22:33	
EPA 300.0 Rev 2.1 1993	Sulfate	140	mg/L	3.0	02/16/25 10:20	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/13/25 15:34	
EPA 6020B	Boron	0.0099J	mg/L	0.040	03/16/25 20:47	
EPA 6020B	Calcium	8.6	mg/L	1.0	03/13/25 15:34	
EPA 6020B	Chromium	0.0023J	mg/L	0.0050	03/13/25 15:34	
EPA 6020B	Iron	0.11	mg/L	0.040	03/13/25 15:34	
EPA 6020B	Magnesium	3.5	mg/L	0.050	03/13/25 15:34	
EPA 6020B	Manganese	0.0055J	mg/L	0.040	03/13/25 15:34	
EPA 6020B	Potassium	0.18J	mg/L	0.50	03/13/25 15:34	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	03/13/25 15:34	
EPA 6020B	Sodium	9.1	mg/L	1.0	03/13/25 15:34	
92779870006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00507J	mg/L	0.0300	03/14/25 13:02	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	02/24/25 21:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	141	mg/L	5.0	02/24/25 21:54	
SM 2540C-2015	Total Dissolved Solids	2040	mg/L	50.0	02/20/25 12:06	
EPA 300.0 Rev 2.1 1993	Chloride	507	mg/L	13.0	02/16/25 10:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	02/15/25 22:48	
EPA 300.0 Rev 2.1 1993	Sulfate	381	mg/L	13.0	02/16/25 10:35	
EPA 6020B	Barium	0.037	mg/L	0.0050	03/13/25 15:41	
EPA 6020B	Boron	0.21	mg/L	0.040	03/16/25 20:56	
EPA 6020B	Calcium	25.0	mg/L	1.0	03/13/25 15:41	
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	03/13/25 15:41	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779870006	**BOW-AP1-FD-01**					
EPA 6020B	Iron	7.5	mg/L	0.040	03/13/25 15:41	
EPA 6020B	Magnesium	12.7	mg/L	0.050	03/13/25 15:41	
EPA 6020B	Manganese	2.8	mg/L	0.20	03/13/25 20:41	
EPA 6020B	Potassium	0.72	mg/L	0.50	03/13/25 15:41	
EPA 6020B	Sodium	11.1	mg/L	1.0	03/13/25 15:41	
92779870007	**BOW-AP1-FB-01**					
EPA 6020B	Barium	0.032	mg/L	0.0050	03/13/25 15:47	
EPA 6020B	Boron	3.8	mg/L	0.80	03/16/25 21:05	
EPA 6020B	Cadmium	0.0015	mg/L	0.00050	03/13/25 15:47	
EPA 6020B	Calcium	151	mg/L	5.0	03/13/25 20:47	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	03/13/25 15:47	
EPA 6020B	Iron	2.9	mg/L	0.040	03/13/25 15:47	
EPA 6020B	Magnesium	35.8	mg/L	0.050	03/13/25 15:47	
EPA 6020B	Manganese	2.3	mg/L	0.20	03/13/25 20:47	
EPA 6020B	Potassium	3.0	mg/L	0.50	03/13/25 15:47	
EPA 6020B	Sodium	17.8	mg/L	1.0	03/13/25 15:47	
92779870008	**BOW-AP1-EB-01**					
EPA 6020B	Barium	0.042	mg/L	0.0050	03/13/25 16:06	
EPA 6020B	Boron	5.3	mg/L	0.80	03/16/25 21:14	
EPA 6020B	Cadmium	0.00080	mg/L	0.00050	03/13/25 16:06	
EPA 6020B	Calcium	158	mg/L	5.0	03/13/25 20:54	
EPA 6020B	Cobalt	0.0030J	mg/L	0.0050	03/13/25 16:06	
EPA 6020B	Iron	3.3	mg/L	0.040	03/13/25 16:06	
EPA 6020B	Magnesium	41.8	mg/L	0.050	03/13/25 16:06	
EPA 6020B	Manganese	2.7	mg/L	0.20	03/13/25 20:54	
EPA 6020B	Potassium	3.8	mg/L	0.50	03/13/25 16:06	
EPA 6020B	Sodium	22.4	mg/L	1.0	03/13/25 16:06	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-02 **Lab ID: 92779870001** Collected: 02/13/25 16:27 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	**0.00652J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 12:05	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 17:36	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**160**	mg/L	5.0	5.0	1		02/24/25 21:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:04		
Alkalinity, Total as CaCO3	**160**	mg/L	5.0	5.0	1		02/24/25 21:04		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**712**	mg/L	50.0	50.0	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 02:24	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**137**	mg/L	3.0	1.8	3		02/16/25 08:15	16887-00-6	M1
Fluoride	**0.21**	mg/L	0.10	0.050	1		02/15/25 20:58	16984-48-8	M1
Sulfate	**131**	mg/L	3.0	1.5	3		02/16/25 08:15	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	03/13/25 15:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:08	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:08	7440-41-7	
Boron	**0.0072J**	mg/L	0.040	0.0062	1	03/09/25 08:20	03/16/25 20:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:08	7440-43-9	
Calcium	**72.3**	mg/L	5.0	0.50	5	03/09/25 08:20	03/13/25 20:35	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:08	7440-48-4	
Iron	**0.89**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:08	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:08	7439-92-1	
Magnesium	**5.4**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:08	7439-95-4	
Manganese	**0.037J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/13/25 15:08	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:08	7439-98-7	
Potassium	**0.73**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:08	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:08	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-02 **Lab ID: 92779870001** Collected: 02/13/25 16:27 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	**4.0**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:08	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:08	7440-28-0	

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(704)875-9092

ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-04 **Lab ID: 92779870002** Collected: 02/13/25 14:04 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	**0.00690J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 12:50	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 17:38	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		02/24/25 21:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:14		
Alkalinity, Total as CaCO3	**158**	mg/L	5.0	5.0	1		02/24/25 21:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1470**	mg/L	50.0	50.0	1		02/20/25 12:06		
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 02:24	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**359**	mg/L	9.0	5.4	9		02/16/25 09:33	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.050	1		02/15/25 21:45	16984-48-8	
Sulfate	**300**	mg/L	9.0	4.5	9		02/16/25 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	0.0030	0.00050	1	03/09/25 08:20	03/13/25 15:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:15	7440-38-2	
Barium	**0.12**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:15	7440-41-7	
Boron	**0.013J**	mg/L	0.040	0.0062	1	03/09/25 08:20	03/16/25 20:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:15	7440-43-9	
Calcium	**58.7**	mg/L	1.0	0.10	1	03/09/25 08:20	03/13/25 15:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:15	7440-48-4	
Iron	**1.0**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:15	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:15	7439-92-1	
Magnesium	**11.2**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:15	7439-95-4	
Manganese	**0.0095J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/13/25 15:15	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:15	7439-98-7	
Potassium	**0.45J**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:15	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:15	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-04 **Lab ID: 92779870002** Collected: 02/13/25 14:04 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	**10.6**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:15	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:15	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-05 **Lab ID: 92779870003** Collected: 02/13/25 14:19 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	**0.00528J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 12:53	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 17:40	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**143**	mg/L	5.0	5.0	1		02/24/25 21:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:24		
Alkalinity, Total as CaCO3	**143**	mg/L	5.0	5.0	1		02/24/25 21:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1940**	mg/L	50.0	50.0	1		02/20/25 12:06		
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 02:26	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**495**	mg/L	13.0	7.8	13		02/16/25 09:48	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		02/15/25 22:01	16984-48-8	
Sulfate	**373**	mg/L	13.0	6.5	13		02/16/25 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	0.0030	0.00050	1	03/09/25 08:20	03/13/25 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:21	7440-38-2	
Barium	**0.029**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:21	7440-41-7	
Boron	**0.0076J**	mg/L	0.040	0.0062	1	03/09/25 08:20	03/16/25 20:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:21	7440-43-9	
Calcium	**51.5**	mg/L	1.0	0.10	1	03/09/25 08:20	03/13/25 15:21	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:21	7440-48-4	
Iron	**0.56**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:21	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:21	7439-92-1	
Magnesium	**5.4**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:21	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	03/09/25 08:20	03/13/25 15:21	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:21	7439-98-7	
Potassium	**0.69**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:21	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:21	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-05 **Lab ID: 92779870003** Collected: 02/13/25 14:19 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	**4.7**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:21	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:21	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-06 **Lab ID: 92779870004** Collected: 02/13/25 12:30 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	**0.00753J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 12:56	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 17:42	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**113**	mg/L	5.0	5.0	1		02/24/25 21:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:34		
Alkalinity, Total as CaCO3	**113**	mg/L	5.0	5.0	1		02/24/25 21:34		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2640**	mg/L	50.0	50.0	1		02/20/25 12:06		
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 02:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**688**	mg/L	36.0	21.6	36		02/16/25 10:04	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		02/15/25 22:17	16984-48-8	
Sulfate	**434**	mg/L	36.0	18.0	36		02/16/25 10:04	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 08:20	03/13/25 15:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:28	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:28	7440-41-7	
Boron	**0.0072J**	mg/L	0.040	0.0062	1	03/09/25 08:20	03/16/25 20:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:28	7440-43-9	
Calcium	**7.1**	mg/L	1.0	0.10	1	03/09/25 08:20	03/13/25 15:28	7440-70-2	
Chromium	**0.0041J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:28	7440-48-4	
Iron	**0.27**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:28	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:28	7439-92-1	
Magnesium	**2.5**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:28	7439-95-4	
Manganese	**0.0022J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/13/25 15:28	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:28	7439-98-7	
Potassium	**0.84**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:28	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:28	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-PT-06 **Lab ID: 92779870004** Collected: 02/13/25 12:30 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	**3.7**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:28	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:28	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-INW-01 **Lab ID: 92779870005** Collected: 02/13/25 16:06 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	**0.00527J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 12:59	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 17:44	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		02/24/25 21:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:43		
Alkalinity, Total as CaCO3	**170**	mg/L	5.0	5.0	1		02/24/25 21:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**702**	mg/L	50.0	50.0	1		02/20/25 12:06		1g
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 02:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**138**	mg/L	3.0	1.8	3		02/16/25 10:20	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.050	1		02/15/25 22:33	16984-48-8	
Sulfate	**140**	mg/L	3.0	1.5	3		02/16/25 10:20	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 08:20	03/13/25 15:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:34	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:34	7440-41-7	
Boron	**0.0099J**	mg/L	0.040	0.0062	1	03/09/25 08:20	03/16/25 20:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:34	7440-43-9	
Calcium	**8.6**	mg/L	1.0	0.10	1	03/09/25 08:20	03/13/25 15:34	7440-70-2	
Chromium	**0.0023J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:34	7440-48-4	
Iron	**0.11**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:34	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:34	7439-92-1	
Magnesium	**3.5**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:34	7439-95-4	
Manganese	**0.0055J**	mg/L	0.040	0.0012	1	03/09/25 08:20	03/13/25 15:34	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:34	7439-98-7	
Potassium	**0.18J**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:34	7440-09-7	
Selenium	**0.0025J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:34	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-INW-01 **Lab ID: 92779870005** Collected: 02/13/25 16:06 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	**9.1**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:34	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:34	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-AP1-FD-01 **Lab ID: 92779870006** Collected: 02/13/25 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	**0.00507J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 13:02	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 17:46	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**141**	mg/L	5.0	5.0	1		02/24/25 21:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 21:54		
Alkalinity, Total as CaCO3	**141**	mg/L	5.0	5.0	1		02/24/25 21:54		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2040**	mg/L	50.0	50.0	1		02/20/25 12:06		
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 02:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**507**	mg/L	13.0	7.8	13		02/16/25 10:35	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		02/15/25 22:48	16984-48-8	
Sulfate	**381**	mg/L	13.0	6.5	13		02/16/25 10:35	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 08:20	03/13/25 15:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:41	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:41	7440-41-7	
Boron	**0.21**	mg/L	0.040	0.0062	1	03/09/25 08:20	03/16/25 20:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:41	7440-43-9	
Calcium	**25.0**	mg/L	1.0	0.10	1	03/09/25 08:20	03/13/25 15:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:41	7440-47-3	
Cobalt	**0.0027J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:41	7440-48-4	
Iron	**7.5**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:41	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:41	7439-92-1	
Magnesium	**12.7**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:41	7439-95-4	
Manganese	**2.8**	mg/L	0.20	0.0062	5	03/09/25 08:20	03/13/25 20:41	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:41	7439-98-7	
Potassium	**0.72**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:41	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:41	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-AP1-FD-01 **Lab ID: 92779870006** Collected: 02/13/25 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	**11.1**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:41	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:41	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-AP1-FB-01 **Lab ID: 92779870007** Collected: 02/13/25 14:43 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	03/13/25 23:46	03/14/25 13:05	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 17:48	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 22:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 22:04		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/24/25 22:04		
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 12:06		
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 02:29	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 12:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/25 12:47	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/15/25 12:47	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 08:20	03/13/25 15:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:47	7440-38-2	
Barium	**0.032**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 15:47	7440-41-7	
Boron	**3.8**	mg/L	0.80	0.12	20	03/09/25 08:20	03/16/25 21:05	7440-42-8	
Cadmium	**0.0015**	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 15:47	7440-43-9	
Calcium	**151**	mg/L	5.0	0.50	5	03/09/25 08:20	03/13/25 20:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:47	7440-47-3	
Cobalt	**0.0014J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:47	7440-48-4	
Iron	**2.9**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 15:47	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 15:47	7439-92-1	
Magnesium	**35.8**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 15:47	7439-95-4	
Manganese	**2.3**	mg/L	0.20	0.0062	5	03/09/25 08:20	03/13/25 20:47	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 15:47	7439-98-7	
Potassium	**3.0**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 15:47	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 15:47	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-AP1-FB-01 **Lab ID: 92779870007** Collected: 02/13/25 14:43 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	**17.8**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 15:47	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 15:47	7440-28-0	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-AP1-EB-01 **Lab ID: 92779870008** Collected: 02/13/25 14:53 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	03/13/25 23:46	03/14/25 13:15	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	02/18/25 12:52	02/18/25 17:54	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 22:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/25 22:07		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/24/25 22:07		
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 12:06		
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 02:29	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 13:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/25 13:02	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/15/25 13:02	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 08:20	03/13/25 16:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 16:06	7440-38-2	
Barium	**0.042**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 16:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/09/25 08:20	03/13/25 16:06	7440-41-7	
Boron	**5.3**	mg/L	0.80	0.12	20	03/09/25 08:20	03/16/25 21:14	7440-42-8	
Cadmium	**0.00080**	mg/L	0.00050	0.00012	1	03/09/25 08:20	03/13/25 16:06	7440-43-9	
Calcium	**158**	mg/L	5.0	0.50	5	03/09/25 08:20	03/13/25 20:54	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 16:06	7440-47-3	
Cobalt	**0.0030J**	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 16:06	7440-48-4	
Iron	**3.3**	mg/L	0.040	0.012	1	03/09/25 08:20	03/13/25 16:06	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/09/25 08:20	03/13/25 16:06	7439-92-1	
Magnesium	**41.8**	mg/L	0.050	0.010	1	03/09/25 08:20	03/13/25 16:06	7439-95-4	
Manganese	**2.7**	mg/L	0.20	0.0062	5	03/09/25 08:20	03/13/25 20:54	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/09/25 08:20	03/13/25 16:06	7439-98-7	
Potassium	**3.8**	mg/L	0.50	0.10	1	03/09/25 08:20	03/13/25 16:06	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/09/25 08:20	03/13/25 16:06	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Sample: BOW-AP1-EB-01 **Lab ID: 92779870008** Collected: 02/13/25 14:53 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	**22.4**	mg/L	1.0	0.15	1	03/09/25 08:20	03/13/25 16:06	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/09/25 08:20	03/13/25 16:06	7440-28-0	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

QC Batch: 2468198 | Analysis Method: EPA 6020B
QC Batch Method: 3015 | Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: R4186486-1 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/14/25 11:58	

LABORATORY CONTROL SAMPLE: R4186486-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0486	97.3	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4186486-4 R4186486-5

Parameter	Units	92779870001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00652	0.0500	0.0500	0.0549	0.0534	96.8	93.8	75.0-125	2.82	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

QC Batch: 916561
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: 4710694 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

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 (CA)
Pace Project No.: 92779870

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: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: 4718509 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

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 (CA)
Pace Project No.: 92779870

QC Batch: 917320 | 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: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: 4714776 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

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

QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

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: 92779870001, 92779870002

METHOD BLANK: 4710441 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002

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 (CA)
Pace Project No.: 92779870

QC Batch: 916461 | 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: 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: 4710447 Matrix: Water
Associated Lab Samples: 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/15/25 02:25	

LABORATORY CONTROL SAMPLE: 4710448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.48	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710449 4710450

Parameter	Units	92779870003 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	0.42	0.46	84	91	80-120	8	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

QC Batch: 916490
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: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: 4710520 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/15/25 19:54	
Fluoride	mg/L	ND	0.10	0.050	02/15/25 19:54	
Sulfate	mg/L	ND	1.0	0.50	02/15/25 19:54	

LABORATORY CONTROL SAMPLE: 4710521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710522 4710523

Parameter	Units	92779870001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	137	50	50	177	182	79	89	90-110	3	10	M1
Fluoride	mg/L	0.21	2.5	2.5	3.0	3.0	112	113	90-110	1	10	M1
Sulfate	mg/L	131	50	50	170	175	79	89	90-110	3	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4710524 4710525

Parameter	Units	92779883004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.0	50	50	52.5	53.4	103	105	90-110	2	10	
Fluoride	mg/L	0.057J	2.5	2.5	2.6	2.6	101	103	90-110	2	10	
Sulfate	mg/L	ND	50	50	51.4	52.3	102	104	90-110	2	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

QC Batch: 921051
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

METHOD BLANK: 4732980 Matrix: Water
Associated Lab Samples: 92779870001, 92779870002, 92779870003, 92779870004, 92779870005, 92779870006, 92779870007, 92779870008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/13/25 12:20	
Arsenic	mg/L	ND	0.0050	0.0012	03/13/25 12:20	
Barium	mg/L	ND	0.0050	0.0012	03/13/25 12:20	
Beryllium	mg/L	ND	0.00050	0.00015	03/13/25 12:20	
Boron	mg/L	ND	0.040	0.0062	03/16/25 16:14	
Cadmium	mg/L	ND	0.00050	0.00012	03/13/25 12:20	
Calcium	mg/L	ND	1.0	0.10	03/13/25 12:20	
Chromium	mg/L	ND	0.0050	0.0012	03/13/25 12:20	
Cobalt	mg/L	ND	0.0050	0.0012	03/13/25 12:20	
Iron	mg/L	ND	0.040	0.012	03/13/25 12:20	
Lead	mg/L	ND	0.0010	0.00025	03/13/25 12:20	
Magnesium	mg/L	ND	0.050	0.010	03/13/25 12:20	
Manganese	mg/L	ND	0.040	0.0012	03/13/25 12:20	
Molybdenum	mg/L	ND	0.010	0.0025	03/13/25 12:20	
Potassium	mg/L	ND	0.50	0.10	03/13/25 12:20	
Selenium	mg/L	ND	0.0050	0.0012	03/13/25 12:20	
Sodium	mg/L	ND	1.0	0.15	03/13/25 12:20	
Thallium	mg/L	ND	0.0010	0.00015	03/13/25 12:20	

LABORATORY CONTROL SAMPLE: 4732981

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	104	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Calcium	mg/L	1	1.1	105	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.11	110	80-120	
Iron	mg/L	1	1.1	106	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Manganese	mg/L	0.1	0.11	106	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Potassium	mg/L	1	1.1	105	80-120	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

LABORATORY CONTROL SAMPLE: 4732981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.10	104	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Thallium	mg/L	0.1	0.11	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732982 4732983

Parameter	Units	92779374001 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	102	101	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	1	20	
Barium	mg/L	0.033	0.1	0.1	0.13	0.13	101	100	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	0	20	
Boron	mg/L	0.019J	0.1	0.1	0.12	0.13	102	108	75-125	5	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20	
Calcium	mg/L	14.1	1	1	15.5	15.2	143	116	75-125	2	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	108	107	75-125	1	20	
Iron	mg/L	2.4	1	1	3.5	3.4	108	107	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.11	104	107	75-125	3	20	
Magnesium	mg/L	5.5	1	1	6.6	6.5	109	102	75-125	1	20	
Manganese	mg/L	0.20	0.1	0.1	0.30	0.31	105	106	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20	
Potassium	mg/L	0.35J	1	1	1.4	1.4	104	104	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	105	106	75-125	1	20	
Sodium	mg/L	4.0	1	1	5.1	5.1	109	105	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.11	0.11	107	107	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732984 4732985

Parameter	Units	92779374002 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	104	103	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.11	0.10	106	104	75-125	2	20	
Barium	mg/L	0.20	0.1	0.1	0.31	0.30	105	99	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Boron	mg/L	0.094	0.1	0.1	0.20	0.20	102	102	75-125	0	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	2	20	
Calcium	mg/L	57.2	1	1	57.6	58.0	38	76	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Iron	mg/L	2.7	1	1	3.8	3.7	109	102	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	2	20	
Magnesium	mg/L	21.7	1	1	22.4	22.2	69	44	75-125	1	20	M1
Manganese	mg/L	0.22	0.1	0.1	0.32	0.32	102	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4732984 4732985

Parameter	Units	92779374002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Potassium	mg/L	0.60	1	1	1.7	1.6	106	101	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	3	20	
Sodium	mg/L	12.8	1	1	13.8	13.5	101	77	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.11	0.11	106	107	75-125	1	20	

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QUALIFIERS

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

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 .0019 grams.
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 (CA)
Pace Project No.: 92779870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779870001	**BOW-PT-02**	3015	2468198	EPA 6020B	2468198
92779870002	**BOW-PT-04**	3015	2468198	EPA 6020B	2468198
92779870003	**BOW-PT-05**	3015	2468198	EPA 6020B	2468198
92779870004	**BOW-PT-06**	3015	2468198	EPA 6020B	2468198
92779870005	**BOW-INW-01**	3015	2468198	EPA 6020B	2468198
92779870006	**BOW-AP1-FD-01**	3015	2468198	EPA 6020B	2468198
92779870007	**BOW-AP1-FB-01**	3015	2468198	EPA 6020B	2468198
92779870008	**BOW-AP1-EB-01**	3015	2468198	EPA 6020B	2468198
92779870001	**BOW-PT-02**	EPA 7470A	916561	EPA 7470A	916995
92779870002	**BOW-PT-04**	EPA 7470A	916561	EPA 7470A	916995
92779870003	**BOW-PT-05**	EPA 7470A	916561	EPA 7470A	916995
92779870004	**BOW-PT-06**	EPA 7470A	916561	EPA 7470A	916995
92779870005	**BOW-INW-01**	EPA 7470A	916561	EPA 7470A	916995
92779870006	**BOW-AP1-FD-01**	EPA 7470A	916561	EPA 7470A	916995
92779870007	**BOW-AP1-FB-01**	EPA 7470A	916561	EPA 7470A	916995
92779870008	**BOW-AP1-EB-01**	EPA 7470A	916561	EPA 7470A	916995
92779870001	**BOW-PT-02**	SM 2320B-2011	918109		
92779870002	**BOW-PT-04**	SM 2320B-2011	918109		
92779870003	**BOW-PT-05**	SM 2320B-2011	918109		
92779870004	**BOW-PT-06**	SM 2320B-2011	918109		
92779870005	**BOW-INW-01**	SM 2320B-2011	918109		
92779870006	**BOW-AP1-FD-01**	SM 2320B-2011	918109		
92779870007	**BOW-AP1-FB-01**	SM 2320B-2011	918109		
92779870008	**BOW-AP1-EB-01**	SM 2320B-2011	918109		
92779870001	**BOW-PT-02**	SM 2540C-2015	917320		
92779870002	**BOW-PT-04**	SM 2540C-2015	917320		
92779870003	**BOW-PT-05**	SM 2540C-2015	917320		
92779870004	**BOW-PT-06**	SM 2540C-2015	917320		
92779870005	**BOW-INW-01**	SM 2540C-2015	917320		
92779870006	**BOW-AP1-FD-01**	SM 2540C-2015	917320		
92779870007	**BOW-AP1-FB-01**	SM 2540C-2015	917320		
92779870008	**BOW-AP1-EB-01**	SM 2540C-2015	917320		
92779870001	**BOW-PT-02**	SM 4500-S2D-2011	916460		
92779870002	**BOW-PT-04**	SM 4500-S2D-2011	916460		
92779870003	**BOW-PT-05**	SM 4500-S2D-2011	916461		
92779870004	**BOW-PT-06**	SM 4500-S2D-2011	916461		
92779870005	**BOW-INW-01**	SM 4500-S2D-2011	916461		
92779870006	**BOW-AP1-FD-01**	SM 4500-S2D-2011	916461		
92779870007	**BOW-AP1-FB-01**	SM 4500-S2D-2011	916461		
92779870008	**BOW-AP1-EB-01**	SM 4500-S2D-2011	916461		
92779870001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	916490		
92779870002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	916490		
92779870003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	916490		
92779870004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	916490		
92779870005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	916490		
92779870006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	916490		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 (CA)
Pace Project No.: 92779870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779870007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	916490		
92779870008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	916490		
92779870001	**BOW-PT-02**	EPA 3005A	921051	EPA 6020B	922317
92779870002	**BOW-PT-04**	EPA 3005A	921051	EPA 6020B	922317
92779870003	**BOW-PT-05**	EPA 3005A	921051	EPA 6020B	922317
92779870004	**BOW-PT-06**	EPA 3005A	921051	EPA 6020B	922317
92779870005	**BOW-INW-01**	EPA 3005A	921051	EPA 6020B	922317
92779870006	**BOW-AP1-FD-01**	EPA 3005A	921051	EPA 6020B	922317
92779870007	**BOW-AP1-FB-01**	EPA 3005A	921051	EPA 6020B	922317
92779870008	**BOW-AP1-EB-01**	EPA 3005A	921051	EPA 6020B	922317

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Pace® Location Requested (City/State):

Pace Analytical Charlotte
11800 Rhinny Ave, Suite 220, 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

92779870

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 Junnike Mintao Lu, Marty Crook

Phone #: (470) 217-0008

E-Mail: knjunnik@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

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 **: 2 3 3 4 3

Identify Container Preservative Type***: 1 1 2 5+6 1

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	2540C Total Dissolved Solids	300.0 F, SO_4^{2-}, Cl	Appendix III, IV Additional Metals	4500S2D Sulfide	2320B Total Alkalinity, Bicarbonate Alkalinity	Sample Comment
BOW-PT-02	WG	G		1627	2/13/25		6			X	X	X	X	X	001
BOW-PT-04	WG	G		1404	2/13/25		6			X	X	X	X	X	002
BOW-PT-05	WG	G		1419	2/13/25		6			X	X	X	X	X	003
BOW-PT-06	WG	G		1230	2/13/25		6			X	X	X	X	X	004
BOW-INW-01	WG	G		1606	2/13/25		6			X	X	X	X	X	005
BOW-AP1-FD-01	WG	G		—	2/13/25		6			X	X	X	X	X	006
BOW-AP1-FB-01	WQ	G		1443	2/13/25		6			X	X	X	X	X	007
BOW-AP1-EB-01	WQ	G		1453	2/13/25		6			X	X	X	X	X	008

Lab Use Only: Proj. Mgr: Bonnie Wang; Acct. Num / Client ID; Table #; Profile / Template: 16507; Prelog Bottle Ord. ID: EZ 3211550

Additional Instructions from Pace®:
Task Code ~~BOW-CCR-CA-20250205~~ BOW-CCR-CA-20250213
App. III: Boron, Calcium, Chloride, Fluoride, Sulfate, TDS
App. 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 Siewert, Natalie Piparo, Sawyer Kovacs, Kyle Rhyne

Printed Name:

Signature: Sawyer Kovacs

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
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

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/

ENV-FRM-CORQ-0019_v02_110123 ©

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: GA Power

Project #: **WO#: 92779870**

PM: BV Due Date: 02/28/25

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: 2/14/25 KM

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: WT				
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:

alitrax 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)	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)
DC																														
		2	1				2	1																						
		2	1				2	1																						
		2	1				2	1																						
		2	1				2	1																						
		2	1				2	1																						
		2	1				2	1																						
		2	1				2	1																						
		2	1				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 #

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. ut of hold, incorrect preservative, out of temp, incorrect containers.

altrax ID: 69614

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

April 16, 2025

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

RE: Project: Bowen AP-1
Pace Project No.: 92790218

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 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

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1
Pace Project No.: 92790218

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

SAMPLE SUMMARY

Project: Bowen AP-1
Pace Project No.: 92790218

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92790218001	**BOW-PT-02**	Water	04/09/25 14:31	04/10/25 08:00
92790218002	**BOW-PT-04**	Water	04/09/25 10:48	04/10/25 08:00
92790218003	**BOW-PT-05**	Water	04/09/25 15:17	04/10/25 08:00
92790218004	**BOW-PT-06**	Water	04/09/25 12:11	04/10/25 08:00
92790218005	**BOW-INW-01**	Water	04/09/25 12:26	04/10/25 08:00
92790218006	**BOW-AP1-FD-01**	Water	04/09/25 00:00	04/10/25 08:00
92790218007	**BOW-AP1-FB-01**	Water	04/09/25 16:11	04/10/25 08:00
92790218008	**BOW-AP1-EB-01**	Water	04/09/25 16:01	04/10/25 08:00

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92790218

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92790218001	**BOW-PT-02**	EPA 6020B	UNP	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218002	**BOW-PT-04**	EPA 6020B	UNP	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218003	**BOW-PT-05**	EPA 6020B	UNP	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218004	**BOW-PT-06**	EPA 6020B	UNP	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218005	**BOW-INW-01**	EPA 6020B	UNP	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218006	**BOW-AP1-FD-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92790218

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	YEG	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218007	**BOW-AP1-FB-01**	EPA 6020B	UNP	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92790218008	**BOW-AP1-EB-01**	EPA 6020B	UNP	1	PAN
		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	CDC	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

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92790218

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92790218001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00624J	mg/L	0.0300	04/11/25 23:31	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	169	mg/L	5.0	04/11/25 13:56	
SM 2320B-2011	Alkalinity, Total as CaCO3	169	mg/L	5.0	04/11/25 13:56	
SM 2540C-2015	Total Dissolved Solids	712	mg/L	50.0	04/11/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	123	mg/L	3.0	04/11/25 06:53	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	04/11/25 01:53	
EPA 300.0 Rev 2.1 1993	Sulfate	128	mg/L	3.0	04/11/25 06:53	M1
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	04/14/25 11:08	
EPA 6020B	Barium	0.031	mg/L	0.0050	04/14/25 11:08	
EPA 6020B	Boron	4.8	mg/L	0.80	04/14/25 12:44	
EPA 6020B	Cadmium	0.00038J	mg/L	0.00050	04/14/25 11:08	
EPA 6020B	Calcium	167	mg/L	20.0	04/14/25 12:21	
EPA 6020B	Iron	2.9	mg/L	0.040	04/14/25 11:08	
EPA 6020B	Magnesium	27.2	mg/L	0.050	04/14/25 11:08	
EPA 6020B	Manganese	0.25	mg/L	0.040	04/14/25 11:08	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	04/14/25 11:08	
EPA 6020B	Potassium	6.0	mg/L	0.50	04/14/25 11:08	
EPA 6020B	Sodium	11.2	mg/L	1.0	04/14/25 11:08	
EPA 6020B	Thallium	0.00041J	mg/L	0.0010	04/14/25 11:08	
EPA 7470A	Mercury	0.00057	mg/L	0.00020	04/12/25 16:58	
92790218002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00882J	mg/L	0.0300	04/11/25 23:34	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	04/11/25 14:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	04/11/25 14:19	
SM 2540C-2015	Total Dissolved Solids	1470	mg/L	50.0	04/11/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	353	mg/L	9.0	04/11/25 07:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	04/11/25 02:32	
EPA 300.0 Rev 2.1 1993	Sulfate	303	mg/L	9.0	04/11/25 07:35	
EPA 6020B	Barium	0.051	mg/L	0.0050	04/14/25 11:13	
EPA 6020B	Boron	10.2	mg/L	2.0	04/14/25 12:54	
EPA 6020B	Calcium	342	mg/L	10.0	04/14/25 12:26	
EPA 6020B	Cobalt	0.0091	mg/L	0.0050	04/14/25 11:13	
EPA 6020B	Iron	6.2	mg/L	0.040	04/14/25 11:13	
EPA 6020B	Magnesium	61.3	mg/L	0.50	04/14/25 12:26	
EPA 6020B	Manganese	1.5	mg/L	0.40	04/14/25 12:26	
EPA 6020B	Molybdenum	0.021	mg/L	0.010	04/14/25 11:13	
EPA 6020B	Potassium	9.4	mg/L	0.50	04/14/25 11:13	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	04/14/25 11:13	
EPA 6020B	Sodium	27.0	mg/L	1.0	04/14/25 11:13	
EPA 6020B	Thallium	0.0010J	mg/L	0.0010	04/14/25 11:13	
EPA 7470A	Mercury	0.00022	mg/L	0.00020	04/12/25 17:01	
92790218003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00173J	mg/L	0.0300	04/11/25 23:37	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	220	mg/L	5.0	04/11/25 14:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	220	mg/L	5.0	04/11/25 14:30	
SM 2540C-2015	Total Dissolved Solids	501	mg/L	25.0	04/11/25 12:01	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92790218

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92790218003	**BOW-PT-05**					
EPA 300.0 Rev 2.1 1993	Chloride	55.8	mg/L	1.0	04/11/25 03:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	04/11/25 03:11	
EPA 300.0 Rev 2.1 1993	Sulfate	91.3	mg/L	1.0	04/11/25 03:11	
EPA 6020B	Barium	0.019	mg/L	0.0050	04/14/25 11:18	
EPA 6020B	Boron	2.1	mg/L	0.40	04/14/25 13:03	
EPA 6020B	Calcium	104	mg/L	10.0	04/14/25 12:36	
EPA 6020B	Iron	2.0	mg/L	0.040	04/14/25 11:18	
EPA 6020B	Magnesium	25.9	mg/L	0.050	04/14/25 11:18	
EPA 6020B	Manganese	0.049	mg/L	0.040	04/14/25 11:18	
EPA 6020B	Molybdenum	0.0084J	mg/L	0.010	04/14/25 11:18	
EPA 6020B	Potassium	3.9	mg/L	0.50	04/14/25 11:18	
EPA 6020B	Sodium	9.3	mg/L	1.0	04/14/25 11:18	
EPA 7470A	Mercury	0.00016J	mg/L	0.00020	04/12/25 17:03	
92790218004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00759J	mg/L	0.0300	04/11/25 23:15	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	130	mg/L	5.0	04/11/25 14:42	
SM 2320B-2011	Alkalinity, Total as CaCO3	130	mg/L	5.0	04/11/25 14:42	
SM 2540C-2015	Total Dissolved Solids	2250	mg/L	125	04/11/25 12:01	
SM 4500-S2D-2011	Sulfide	0.54	mg/L	0.10	04/12/25 04:26	
EPA 300.0 Rev 2.1 1993	Chloride	690	mg/L	10.0	04/11/25 03:25	
EPA 300.0 Rev 2.1 1993	Sulfate	459	mg/L	10.0	04/11/25 03:25	
EPA 6020B	Antimony	0.00091J	mg/L	0.0030	04/14/25 11:23	
EPA 6020B	Arsenic	0.0024J	mg/L	0.0050	04/14/25 11:23	
EPA 6020B	Barium	0.084	mg/L	0.0050	04/14/25 11:23	
EPA 6020B	Boron	12.9	mg/L	4.0	04/14/25 13:12	
EPA 6020B	Calcium	529	mg/L	25.0	04/14/25 12:47	
EPA 6020B	Cobalt	0.0042J	mg/L	0.0050	04/14/25 11:23	
EPA 6020B	Iron	11.4	mg/L	0.040	04/14/25 11:23	
EPA 6020B	Magnesium	114	mg/L	1.2	04/14/25 12:47	
EPA 6020B	Manganese	0.95	mg/L	0.20	04/14/25 12:41	
EPA 6020B	Molybdenum	0.0061J	mg/L	0.010	04/14/25 11:23	
EPA 6020B	Potassium	9.6	mg/L	0.50	04/14/25 11:23	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	04/14/25 11:23	
EPA 6020B	Sodium	28.6	mg/L	1.0	04/14/25 11:23	
92790218005	**BOW-INW-01**					
EPA 6020B	Lithium	0.00588J	mg/L	0.0300	04/11/25 23:47	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	04/11/25 14:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	171	mg/L	5.0	04/11/25 14:51	
SM 2540C-2015	Total Dissolved Solids	978	mg/L	50.0	04/11/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	205	mg/L	5.0	04/11/25 07:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	04/11/25 03:37	
EPA 300.0 Rev 2.1 1993	Sulfate	197	mg/L	5.0	04/11/25 07:49	
EPA 6020B	Barium	0.030	mg/L	0.0050	04/14/25 11:29	
EPA 6020B	Boron	6.8	mg/L	1.0	04/14/25 13:36	
EPA 6020B	Cadmium	0.00017J	mg/L	0.00050	04/14/25 11:29	
EPA 6020B	Calcium	226	mg/L	5.0	04/14/25 13:28	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92790218

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92790218005	**BOW-INW-01**					
EPA 6020B	Cobalt	0.0028J	mg/L	0.0050	04/14/25 11:29	
EPA 6020B	Iron	4.1	mg/L	0.040	04/14/25 11:29	
EPA 6020B	Magnesium	34.6	mg/L	0.050	04/14/25 11:29	
EPA 6020B	Manganese	1.0	mg/L	0.20	04/14/25 13:28	
EPA 6020B	Molybdenum	0.031	mg/L	0.010	04/14/25 11:29	
EPA 6020B	Potassium	9.4	mg/L	0.50	04/14/25 11:29	
EPA 6020B	Sodium	20.8	mg/L	1.0	04/14/25 11:29	
EPA 6020B	Thallium	0.00039J	mg/L	0.0010	04/14/25 11:29	
92790218006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00622J	mg/L	0.0300	04/11/25 23:51	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	04/11/25 15:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	171	mg/L	5.0	04/11/25 15:11	
SM 2540C-2015	Total Dissolved Solids	698	mg/L	50.0	04/11/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	127	mg/L	3.0	04/11/25 08:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	04/11/25 03:50	
EPA 300.0 Rev 2.1 1993	Sulfate	134	mg/L	3.0	04/11/25 08:30	
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	04/14/25 11:34	
EPA 6020B	Barium	0.030	mg/L	0.0050	04/14/25 11:34	
EPA 6020B	Boron	4.9	mg/L	0.80	04/14/25 13:46	
EPA 6020B	Cadmium	0.00042J	mg/L	0.00050	04/14/25 11:34	
EPA 6020B	Calcium	182	mg/L	20.0	04/14/25 13:38	
EPA 6020B	Iron	3.0	mg/L	0.040	04/14/25 11:34	
EPA 6020B	Magnesium	27.0	mg/L	0.050	04/14/25 11:34	
EPA 6020B	Manganese	0.26	mg/L	0.040	04/14/25 11:34	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	04/14/25 11:34	
EPA 6020B	Potassium	6.1	mg/L	0.50	04/14/25 11:34	
EPA 6020B	Sodium	11.4	mg/L	1.0	04/14/25 11:34	
EPA 6020B	Thallium	0.00043J	mg/L	0.0010	04/14/25 11:34	
EPA 7470A	Mercury	0.00021	mg/L	0.00020	04/12/25 17:16	
92790218008	**BOW-AP1-EB-01**					
EPA 6020B	Cadmium	0.00013J	mg/L	0.00050	04/14/25 12:15	
EPA 6020B	Magnesium	0.032J	mg/L	0.050	04/14/25 12:15	
EPA 6020B	Manganese	0.0017J	mg/L	0.040	04/14/25 12:15	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-02 **Lab ID: 92790218001** Collected: 04/09/25 14:31 Received: 04/10/25 08:00 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	**0.00624J**	mg/L	0.0300	0.000600	1	04/11/25 18:33	04/11/25 23:31	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**169**	mg/L	5.0	5.0	1		04/11/25 13:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 13:56		
Alkalinity, Total as CaCO3	**169**	mg/L	5.0	5.0	1		04/11/25 13:56		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**712**	mg/L	50.0	50.0	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:24	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**123**	mg/L	3.0	1.8	3		04/11/25 06:53	16887-00-6	M1
Fluoride	**0.20**	mg/L	0.10	0.050	1		04/11/25 01:53	16984-48-8	
Sulfate	**128**	mg/L	3.0	1.5	3		04/11/25 06:53	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0012J**	mg/L	0.0030	0.00050	1	04/11/25 12:11	04/14/25 11:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:08	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:08	7440-41-7	
Boron	**4.8**	mg/L	0.80	0.12	20	04/11/25 12:11	04/14/25 12:44	7440-42-8	
Cadmium	**0.00038J**	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:08	7440-43-9	
Calcium	**167**	mg/L	20.0	2.0	20	04/11/25 12:11	04/14/25 12:21	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:08	7440-48-4	
Iron	**2.9**	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:08	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:08	7439-92-1	
Magnesium	**27.2**	mg/L	0.050	0.010	1	04/11/25 12:11	04/14/25 11:08	7439-95-4	
Manganese	**0.25**	mg/L	0.040	0.0012	1	04/11/25 12:11	04/14/25 11:08	7439-96-5	
Molybdenum	**0.019**	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:08	7439-98-7	
Potassium	**6.0**	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:08	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:08	7782-49-2	
Sodium	**11.2**	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:08	7440-23-5	
Thallium	**0.00041J**	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:08	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-02 **Lab ID: 92790218001** Collected: 04/09/25 14:31 Received: 04/10/25 08:00 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	**0.00057**	mg/L	0.00020	0.000091	1	04/11/25 14:00	04/12/25 16:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-04 **Lab ID: 92790218002** Collected: 04/09/25 10:48 Received: 04/10/25 08:00 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	**0.00882J**	mg/L	0.0300	0.000600	1	04/11/25 18:33	04/11/25 23:34	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**161**	mg/L	5.0	5.0	1		04/11/25 14:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 14:19		
Alkalinity, Total as CaCO3	**161**	mg/L	5.0	5.0	1		04/11/25 14:19		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1470**	mg/L	50.0	50.0	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:25	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**353**	mg/L	9.0	5.4	9		04/11/25 07:35	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.050	1		04/11/25 02:32	16984-48-8	
Sulfate	**303**	mg/L	9.0	4.5	9		04/11/25 07:35	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	04/11/25 12:11	04/14/25 11:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:13	7440-38-2	
Barium	**0.051**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:13	7440-41-7	
Boron	**10.2**	mg/L	2.0	0.31	50	04/11/25 12:11	04/14/25 12:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:13	7440-43-9	
Calcium	**342**	mg/L	10.0	1.0	10	04/11/25 12:11	04/14/25 12:26	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:13	7440-47-3	
Cobalt	**0.0091**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:13	7440-48-4	
Iron	**6.2**	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:13	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:13	7439-92-1	
Magnesium	**61.3**	mg/L	0.50	0.10	10	04/11/25 12:11	04/14/25 12:26	7439-95-4	
Manganese	**1.5**	mg/L	0.40	0.012	10	04/11/25 12:11	04/14/25 12:26	7439-96-5	
Molybdenum	**0.021**	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:13	7439-98-7	
Potassium	**9.4**	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:13	7440-09-7	
Selenium	**0.0017J**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:13	7782-49-2	
Sodium	**27.0**	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:13	7440-23-5	
Thallium	**0.0010J**	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:13	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-04 **Lab ID: 92790218002** Collected: 04/09/25 10:48 Received: 04/10/25 08:00 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	04/11/25 14:00	04/12/25 17:01	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-05 **Lab ID: 92790218003** Collected: 04/09/25 15:17 Received: 04/10/25 08:00 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	0.0300	0.000600	1	04/11/25 18:33	04/11/25 23:37	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**220**	mg/L	5.0	5.0	1		04/11/25 14:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 14:30		
Alkalinity, Total as CaCO3	**220**	mg/L	5.0	5.0	1		04/11/25 14:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**501**	mg/L	25.0	25.0	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:26	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**55.8**	mg/L	1.0	0.60	1		04/11/25 03:11	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.050	1		04/11/25 03:11	16984-48-8	
Sulfate	**91.3**	mg/L	1.0	0.50	1		04/11/25 03:11	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	04/11/25 12:11	04/14/25 11:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:18	7440-38-2	
Barium	**0.019**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:18	7440-41-7	
Boron	**2.1**	mg/L	0.40	0.062	10	04/11/25 12:11	04/14/25 13:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:18	7440-43-9	
Calcium	**104**	mg/L	10.0	1.0	10	04/11/25 12:11	04/14/25 12:36	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:18	7440-48-4	
Iron	**2.0**	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:18	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:18	7439-92-1	
Magnesium	**25.9**	mg/L	0.050	0.010	1	04/11/25 12:11	04/14/25 11:18	7439-95-4	
Manganese	**0.049**	mg/L	0.040	0.0012	1	04/11/25 12:11	04/14/25 11:18	7439-96-5	
Molybdenum	**0.0084J**	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:18	7439-98-7	
Potassium	**3.9**	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:18	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:18	7782-49-2	
Sodium	**9.3**	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:18	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:18	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-05 **Lab ID: 92790218003** Collected: 04/09/25 15:17 Received: 04/10/25 08:00 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	**0.00016J**	mg/L	0.00020	0.000091	1	04/11/25 14:00	04/12/25 17:03	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-06 **Lab ID: 92790218004** Collected: 04/09/25 12:11 Received: 04/10/25 08:00 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	**0.00759J**	mg/L	0.0300	0.000600	1	04/11/25 18:33	04/11/25 23:15	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**130**	mg/L	5.0	5.0	1		04/11/25 14:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 14:42		
Alkalinity, Total as CaCO3	**130**	mg/L	5.0	5.0	1		04/11/25 14:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2250**	mg/L	125	125	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.54**	mg/L	0.10	0.022	1		04/12/25 04:26	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**690**	mg/L	10.0	6.0	10		04/11/25 03:25	16887-00-6	
Fluoride	ND	mg/L	1.0	0.50	10		04/11/25 03:25	16984-48-8	
Sulfate	**459**	mg/L	10.0	5.0	10		04/11/25 03:25	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00091J**	mg/L	0.0030	0.00050	1	04/11/25 12:11	04/14/25 11:23	7440-36-0	
Arsenic	**0.0024J**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:23	7440-38-2	
Barium	**0.084**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:23	7440-41-7	
Boron	**12.9**	mg/L	4.0	0.62	100	04/11/25 12:11	04/14/25 13:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:23	7440-43-9	
Calcium	**529**	mg/L	25.0	2.5	25	04/11/25 12:11	04/14/25 12:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:23	7440-47-3	
Cobalt	**0.0042J**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:23	7440-48-4	
Iron	**11.4**	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:23	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:23	7439-92-1	
Magnesium	**114**	mg/L	1.2	0.25	25	04/11/25 12:11	04/14/25 12:47	7439-95-4	
Manganese	**0.95**	mg/L	0.20	0.0062	5	04/11/25 12:11	04/14/25 12:41	7439-96-5	
Molybdenum	**0.0061J**	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:23	7439-98-7	
Potassium	**9.6**	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:23	7440-09-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:23	7782-49-2	
Sodium	**28.6**	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:23	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:23	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-PT-06 **Lab ID: 92790218004** Collected: 04/09/25 12:11 Received: 04/10/25 08:00 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	04/11/25 14:00	04/12/25 17:11	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-INW-01 **Lab ID: 92790218005** Collected: 04/09/25 12:26 Received: 04/10/25 08:00 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	**0.00588J**	mg/L	0.0300	0.000600	1	04/11/25 18:33	04/11/25 23:47	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**171**	mg/L	5.0	5.0	1		04/11/25 14:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 14:51		
Alkalinity, Total as CaCO3	**171**	mg/L	5.0	5.0	1		04/11/25 14:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**978**	mg/L	50.0	50.0	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:29	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**205**	mg/L	5.0	3.0	5		04/11/25 07:49	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.050	1		04/11/25 03:37	16984-48-8	
Sulfate	**197**	mg/L	5.0	2.5	5		04/11/25 07:49	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	04/11/25 12:11	04/14/25 11:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:29	7440-38-2	
Barium	**0.030**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:29	7440-41-7	
Boron	**6.8**	mg/L	1.0	0.16	25	04/11/25 12:11	04/14/25 13:36	7440-42-8	
Cadmium	**0.00017J**	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:29	7440-43-9	
Calcium	**226**	mg/L	5.0	0.50	5	04/11/25 12:11	04/14/25 13:28	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:29	7440-47-3	
Cobalt	**0.0028J**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:29	7440-48-4	
Iron	**4.1**	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:29	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:29	7439-92-1	
Magnesium	**34.6**	mg/L	0.050	0.010	1	04/11/25 12:11	04/14/25 11:29	7439-95-4	
Manganese	**1.0**	mg/L	0.20	0.0062	5	04/11/25 12:11	04/14/25 13:28	7439-96-5	
Molybdenum	**0.031**	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:29	7439-98-7	
Potassium	**9.4**	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:29	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:29	7782-49-2	
Sodium	**20.8**	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:29	7440-23-5	
Thallium	**0.00039J**	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:29	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-INW-01 **Lab ID: 92790218005** Collected: 04/09/25 12:26 Received: 04/10/25 08:00 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	04/11/25 14:00	04/12/25 17:13	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-AP1-FD-01 **Lab ID: 92790218006** Collected: 04/09/25 00:00 Received: 04/10/25 08:00 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	**0.00622J**	mg/L	0.0300	0.000600	1	04/11/25 18:33	04/11/25 23:51	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**171**	mg/L	5.0	5.0	1		04/11/25 15:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 15:11		
Alkalinity, Total as CaCO3	**171**	mg/L	5.0	5.0	1		04/11/25 15:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**698**	mg/L	50.0	50.0	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:29	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**127**	mg/L	3.0	1.8	3		04/11/25 08:30	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.050	1		04/11/25 03:50	16984-48-8	
Sulfate	**134**	mg/L	3.0	1.5	3		04/11/25 08:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0014J**	mg/L	0.0030	0.00050	1	04/11/25 12:11	04/14/25 11:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:34	7440-38-2	
Barium	**0.030**	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:34	7440-41-7	
Boron	**4.9**	mg/L	0.80	0.12	20	04/11/25 12:11	04/14/25 13:46	7440-42-8	
Cadmium	**0.00042J**	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:34	7440-43-9	
Calcium	**182**	mg/L	20.0	2.0	20	04/11/25 12:11	04/14/25 13:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:34	7440-48-4	
Iron	**3.0**	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:34	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:34	7439-92-1	
Magnesium	**27.0**	mg/L	0.050	0.010	1	04/11/25 12:11	04/14/25 11:34	7439-95-4	
Manganese	**0.26**	mg/L	0.040	0.0012	1	04/11/25 12:11	04/14/25 11:34	7439-96-5	
Molybdenum	**0.019**	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:34	7439-98-7	
Potassium	**6.1**	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:34	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:34	7782-49-2	
Sodium	**11.4**	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:34	7440-23-5	
Thallium	**0.00043J**	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:34	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-AP1-FD-01 **Lab ID: 92790218006** Collected: 04/09/25 00:00 Received: 04/10/25 08:00 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	04/11/25 14:00	04/12/25 17:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-AP1-FB-01 **Lab ID: 92790218007** Collected: 04/09/25 16:11 Received: 04/10/25 08:00 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	04/11/25 18:33	04/11/25 23:54	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		04/11/25 15:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 15:22		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/11/25 15:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		04/11/25 12:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:29	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		04/11/25 00:36	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		04/11/25 00:36	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		04/11/25 00:36	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	04/11/25 12:11	04/14/25 11:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:39	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 11:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	04/11/25 12:11	04/14/25 13:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 11:39	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	04/11/25 12:11	04/14/25 11:39	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:39	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 11:39	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 11:39	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	04/11/25 12:11	04/14/25 11:39	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	04/11/25 12:11	04/14/25 11:39	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 11:39	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 11:39	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 11:39	7782-49-2	
Sodium	ND	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 11:39	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 11:39	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-AP1-FB-01 **Lab ID: 92790218007** Collected: 04/09/25 16:11 Received: 04/10/25 08:00 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	04/11/25 14:00	04/12/25 17:23	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-AP1-EB-01 **Lab ID: 92790218008** Collected: 04/09/25 16:01 Received: 04/10/25 08:00 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	04/11/25 18:33	04/11/25 23:57	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		04/11/25 15:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		04/11/25 15:26		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/11/25 15:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		04/11/25 12:02		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/12/25 04:30	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		04/11/25 00:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		04/11/25 00:49	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		04/11/25 00:49	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	04/11/25 12:11	04/14/25 12:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 12:15	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 12:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	04/11/25 12:11	04/14/25 12:15	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	04/11/25 12:11	04/14/25 14:58	7440-42-8	
Cadmium	**0.00013J**	mg/L	0.00050	0.00012	1	04/11/25 12:11	04/14/25 12:15	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	04/11/25 12:11	04/14/25 12:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 12:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 12:15	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	04/11/25 12:11	04/14/25 12:15	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	04/11/25 12:11	04/14/25 12:15	7439-92-1	
Magnesium	**0.032J**	mg/L	0.050	0.010	1	04/11/25 12:11	04/14/25 12:15	7439-95-4	
Manganese	**0.0017J**	mg/L	0.040	0.0012	1	04/11/25 12:11	04/14/25 12:15	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	04/11/25 12:11	04/14/25 12:15	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	04/11/25 12:11	04/14/25 12:15	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	04/11/25 12:11	04/14/25 12:15	7782-49-2	
Sodium	ND	mg/L	1.0	0.15	1	04/11/25 12:11	04/14/25 12:15	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	04/11/25 12:11	04/14/25 12:15	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92790218

Sample: BOW-AP1-EB-01 **Lab ID: 92790218008** Collected: 04/09/25 16:01 Received: 04/10/25 08:00 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	04/11/25 14:00	04/12/25 17:26	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 2488555 — Analysis Method: EPA 6020B
QC Batch Method: 3015 — Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: R4198607-1 Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	04/11/25 23:08	

LABORATORY CONTROL SAMPLE: R4198607-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0445	89.0	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4198607-4 R4198607-5

Parameter	Units	92790218004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00759	0.0500	0.0500	0.0527	0.0518	90.2	88.5	75.0-125	1.61	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 928802 — Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 — Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: 4771266 — Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	04/11/25 13:39	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	04/11/25 13:39	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	04/11/25 13:39	

LABORATORY CONTROL SAMPLE: 4771267

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: 4771268

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: 4771269 4771270

Parameter	Units	92790218001 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	169	50	50	223	222	108	107	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 928785 | 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: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: 4771122 Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	04/11/25 12:00	

LABORATORY CONTROL SAMPLE: 4771123

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

SAMPLE DUPLICATE: 4771124

Parameter	Units	92790218001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	712	720	1	25	

SAMPLE DUPLICATE: 4771125

Parameter	Units	92789507001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	223	228	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 928939 — 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: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: 4772550 — Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	04/12/25 04:22	

LABORATORY CONTROL SAMPLE: 4772551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4772552 4772553

Parameter	Units	92790218001 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	0.52	0.54	103	108	80-120	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4772554 4772555

Parameter	Units	92789615002 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	0.54	97	103	80-120	5	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 928662
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: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: 4770754 Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/10/25 22:26	
Fluoride	mg/L	ND	0.10	0.050	04/10/25 22:26	
Sulfate	mg/L	ND	1.0	0.50	04/10/25 22:26	

LABORATORY CONTROL SAMPLE: 4770755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.3	105	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	52.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4770756 4770757

Parameter	Units	92790218001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	123	50	50	162	165	78	85	90-110	2	10	M1
Fluoride	mg/L	0.20	2.5	2.5	2.6	2.7	96	99	90-110	3	10	
Sulfate	mg/L	128	50	50	170	173	84	91	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4770758 4770759

Parameter	Units	92790304005 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	49.6	50.1	99	100	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.5	108	101	90-110	6	10	
Sulfate	mg/L	ND	50	50	49.2	49.7	98	99	90-110	1	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 928809
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: 4771317 Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	04/14/25 10:57	
Arsenic	mg/L	ND	0.0050	0.0012	04/14/25 10:57	
Barium	mg/L	ND	0.0050	0.0012	04/14/25 10:57	
Beryllium	mg/L	ND	0.00050	0.00015	04/14/25 10:57	
Boron	mg/L	ND	0.040	0.0062	04/14/25 12:26	
Cadmium	mg/L	ND	0.00050	0.00012	04/14/25 10:57	
Calcium	mg/L	ND	1.0	0.10	04/14/25 10:57	
Chromium	mg/L	ND	0.0050	0.0012	04/14/25 10:57	
Cobalt	mg/L	ND	0.0050	0.0012	04/14/25 10:57	
Iron	mg/L	ND	0.040	0.012	04/14/25 10:57	
Lead	mg/L	ND	0.0010	0.00025	04/14/25 10:57	
Magnesium	mg/L	ND	0.050	0.010	04/14/25 10:57	
Manganese	mg/L	ND	0.040	0.0012	04/14/25 10:57	
Molybdenum	mg/L	ND	0.010	0.0025	04/14/25 10:57	
Potassium	mg/L	ND	0.50	0.10	04/14/25 10:57	
Selenium	mg/L	ND	0.0050	0.0012	04/14/25 10:57	
Sodium	mg/L	ND	1.0	0.15	04/14/25 10:57	
Thallium	mg/L	ND	0.0010	0.00015	04/14/25 10:57	

LABORATORY CONTROL SAMPLE: 4771318

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	0.10	103	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	0.1	0.099	99	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Iron	mg/L	1	1.1	107	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Magnesium	mg/L	1	1.1	105	80-120	
Manganese	mg/L	0.1	0.10	104	80-120	
Molybdenum	mg/L	0.1	0.099	99	80-120	
Potassium	mg/L	1	1.1	108	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

LABORATORY CONTROL SAMPLE: 4771318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.10	104	80-120	
Sodium	mg/L	1	1.1	108	80-120	
Thallium	mg/L	0.1	0.11	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4771319 4771320

Parameter	Units	92790218007 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	0.098	0.098	98	98	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Barium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.10	96	103	75-125	7	20	
Boron	mg/L	ND	0.1	0.1	0.10	0.096	99	94	75-125	5	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Calcium	mg/L	ND	1	1	1.0	1.0J	100	98	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	0	20	
Iron	mg/L	ND	1	1	1.0	1.0	104	102	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20	
Magnesium	mg/L	ND	1	1	1.1	1.0	106	100	75-125	5	20	
Manganese	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.097	100	97	75-125	2	20	
Potassium	mg/L	ND	1	1	1.1	1.0	106	103	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Sodium	mg/L	ND	1	1	1.1	1.1	104	104	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92790218

QC Batch: 928811 — Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A — Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

METHOD BLANK: 4771336 — Matrix: Water
Associated Lab Samples: 92790218001, 92790218002, 92790218003, 92790218004, 92790218005, 92790218006, 92790218007, 92790218008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	04/12/25 16:53	

LABORATORY CONTROL SAMPLE: 4771337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0018	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4771338 4771339

Parameter	Units	92790218003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00016J	0.002	0.002	0.0021	0.0021	99	97	80-120	1	20	

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QUALIFIERS

Project: Bowen AP-1
Pace Project No.: 92790218

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

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.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92790218

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92790218001	**BOW-PT-02**	3015	2488555	EPA 6020B	2488555
92790218002	**BOW-PT-04**	3015	2488555	EPA 6020B	2488555
92790218003	**BOW-PT-05**	3015	2488555	EPA 6020B	2488555
92790218004	**BOW-PT-06**	3015	2488555	EPA 6020B	2488555
92790218005	**BOW-INW-01**	3015	2488555	EPA 6020B	2488555
92790218006	**BOW-AP1-FD-01**	3015	2488555	EPA 6020B	2488555
92790218007	**BOW-AP1-FB-01**	3015	2488555	EPA 6020B	2488555
92790218008	**BOW-AP1-EB-01**	3015	2488555	EPA 6020B	2488555
92790218001	**BOW-PT-02**	SM 2320B-2011	928802		
92790218002	**BOW-PT-04**	SM 2320B-2011	928802		
92790218003	**BOW-PT-05**	SM 2320B-2011	928802		
92790218004	**BOW-PT-06**	SM 2320B-2011	928802		
92790218005	**BOW-INW-01**	SM 2320B-2011	928802		
92790218006	**BOW-AP1-FD-01**	SM 2320B-2011	928802		
92790218007	**BOW-AP1-FB-01**	SM 2320B-2011	928802		
92790218008	**BOW-AP1-EB-01**	SM 2320B-2011	928802		
92790218001	**BOW-PT-02**	SM 2540C-2015	928785		
92790218002	**BOW-PT-04**	SM 2540C-2015	928785		
92790218003	**BOW-PT-05**	SM 2540C-2015	928785		
92790218004	**BOW-PT-06**	SM 2540C-2015	928785		
92790218005	**BOW-INW-01**	SM 2540C-2015	928785		
92790218006	**BOW-AP1-FD-01**	SM 2540C-2015	928785		
92790218007	**BOW-AP1-FB-01**	SM 2540C-2015	928785		
92790218008	**BOW-AP1-EB-01**	SM 2540C-2015	928785		
92790218001	**BOW-PT-02**	SM 4500-S2D-2011	928939		
92790218002	**BOW-PT-04**	SM 4500-S2D-2011	928939		
92790218003	**BOW-PT-05**	SM 4500-S2D-2011	928939		
92790218004	**BOW-PT-06**	SM 4500-S2D-2011	928939		
92790218005	**BOW-INW-01**	SM 4500-S2D-2011	928939		
92790218006	**BOW-AP1-FD-01**	SM 4500-S2D-2011	928939		
92790218007	**BOW-AP1-FB-01**	SM 4500-S2D-2011	928939		
92790218008	**BOW-AP1-EB-01**	SM 4500-S2D-2011	928939		
92790218001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	928662		
92790218002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	928662		
92790218003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	928662		
92790218004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	928662		
92790218005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	928662		
92790218006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	928662		
92790218007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	928662		
92790218008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	928662		
92790218001	**BOW-PT-02**	EPA 3005A	928809	EPA 6020B	929127
92790218002	**BOW-PT-04**	EPA 3005A	928809	EPA 6020B	929127
92790218003	**BOW-PT-05**	EPA 3005A	928809	EPA 6020B	929127
92790218004	**BOW-PT-06**	EPA 3005A	928809	EPA 6020B	929127
92790218005	**BOW-INW-01**	EPA 3005A	928809	EPA 6020B	929127
92790218006	**BOW-AP1-FD-01**	EPA 3005A	928809	EPA 6020B	929127

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92790218

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92790218007	**BOW-AP1-FB-01**	EPA 3005A	928809	EPA 6020B	929127
92790218008	**BOW-AP1-EB-01**	EPA 3005A	928809	EPA 6020B	929127
92790218001	**BOW-PT-02**	EPA 7470A	928811	EPA 7470A	929019
92790218002	**BOW-PT-04**	EPA 7470A	928811	EPA 7470A	929019
92790218003	**BOW-PT-05**	EPA 7470A	928811	EPA 7470A	929019
92790218004	**BOW-PT-06**	EPA 7470A	928811	EPA 7470A	929019
92790218005	**BOW-INW-01**	EPA 7470A	928811	EPA 7470A	929019
92790218006	**BOW-AP1-FD-01**	EPA 7470A	928811	EPA 7470A	929019
92790218007	**BOW-AP1-FB-01**	EPA 7470A	928811	EPA 7470A	929019
92790218008	**BOW-AP1-EB-01**	EPA 7470A	928811	EPA 7470A	929019

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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# : 92790218

92790218

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: 4/10/25 CJH

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: 5.6 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 5.6

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. 48hr TAT
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# : 92790218

*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 #

PM: BV Due Date: 04/14/25
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	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):

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

Invoice Attention: Account Payable

Invoice Email: georg-apower-nvoices@southernco.com

Purchase Order #: APPROVAL GPC95642-0004

Quote #:

Project Name: Bowen AP-1

Project #:

Site Collection Info/Facility ID (as applicable):

Collected By (Signature):

Sampled By (Print): Kristen Jurinko, Mintaa Lu, Mary Crook

Phone #: (470) 217-9008

Email: snjurink@southernco.com

CC Email: Laura Midkiff, Ben Hodges, Mike Smalley, Noella Gangi

Turn Around Time: [ ] 48 [ ] 7D [ ] MT [ ] CT [X] ET

State/County where samples were collected: Georgia

Data Deliverables: [ ] Level I [ ] Level II [ ] Level III [ ] EDD [ ] Other

Regulatory Program (DW, NPDES, etc.) if applicable: Reportable: [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [X] 3 Day [ ] Other

Date Results Requested: 04/14/25

DW PWSID # / WW Permit # (as applicable):

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Matrix Codes: 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), Air (AR), Other (OT), Biofluid (BF), Other (OT)

Sample Type: [ ] Composite [ ] Grab

Container Size**: 3 2 3 4 3

Preservative**: 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 by Bicarbonate Alkalinity	2540C Total Dissolved Solids	300.0 F SO4 2- Cl	4500SED Sulfide	*Appendix III IV + Additional Metals						Sample Comments
BOW-PT-02	WG	G			04/09/25	1431	6			X	X	X	X	X						
BOW-PT-04	WG	G			04/09/25	1048	6			X	X	X	X	X						
BOW-PT-05	WG	G			04/09/25	1517	6			X	X	X	X	X						
BOW-PT-06	WG	G			04/09/25	1211	6			X	X	X	X	X						
BOW-INW-01	WG	G			04/09/25	1226	6			X	X	X	X	X						
~~BOW-FD-01~~ NF BOW-API-FD-01	WG	G			04/09/25	—	6			X	X	X	X	X						
~~BOW-FB-01~~ NF BOW-API-FB-01	WQ	G			04/09/25	1611	6			X	X	X	X	X						
~~BOW-EB-01~~ NF BOW-API-EB-01	WQ	G			04/09/25	1001	6			X	X	X	X	X						

Lab Use Only: Pres. Mgr: Quote #: Acct Mgr / Client ID: Table #: Profile / Template: 16567 Prelog / Bottle Ord. Id: EZ 32485891

Additional Instructions from Pace*: Task Code: BOW.CCR-CA-20250409

Collected By: William Lasher, Joy Stewart, Natalie Pelaia

Printed Name:

Signature:

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards:

Relinquished By / Company: EnSafe — Date/Time: 4/10/25 0840

Received By / Company:

Relinquished By / Company:

Received By / Company:

Relinquished By / Company:

Received By / Company: — Date/Time: 4/10/25 0840

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page 1 of 1

*Sample Matrix Authority: Refer to Chain of Custody Option 1 and 2 on Page 2 and 3 of this Form for Terms and Conditions. Form at: https://www.pacelabs.com/resources/forms/

ENV-FRM-CORO-0019_v02 11Jul23

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 12/3/2024 10:38:45 AM
Project: Plant Bowen AP Baseline Sampling December 2024
Operator Name: Natalie Piparo

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: 28.3 ft**	**Pump Type: GeoTech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Prepurged 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	
12/3/2024 10:38 AM	00:00	6.79 pH	10.54 °C	4,117.4 µS/cm	1.07 mg/L	1.51 NTU	-10.1 mV	28.31 ft	2.18 PSU	125.00 ml/min
12/3/2024 10:43 AM	05:00	6.68 pH	12.28 °C	3,930.9 µS/cm	0.32 mg/L	1.48 NTU	-22.0 mV	28.31 ft	2.08 PSU	125.00 ml/min
12/3/2024 10:48 AM	10:00	6.72 pH	12.84 °C	3,967.3 µS/cm	0.26 mg/L	1.05 NTU	-45.1 mV	28.31 ft	2.11 PSU	125.00 ml/min
12/3/2024 10:53 AM	15:00	6.75 pH	13.60 °C	3,950.4 µS/cm	0.24 mg/L	0.93 NTU	-50.7 mV	28.32 ft	2.10 PSU	125.00 ml/min
12/3/2024 10:58 AM	20:00	6.79 pH	13.96 °C	3,860.2 µS/cm	0.19 mg/L	1.34 NTU	-52.5 mV	28.32 ft	2.05 PSU	125.00 ml/min
12/3/2024 11:03 AM	25:00	6.81 pH	14.51 °C	3,894.8 µS/cm	0.18 mg/L	0.87 NTU	-56.5 mV	28.32 ft	2.07 PSU	125.00 ml/min
12/3/2024 11:08 AM	30:00	6.82 pH	14.95 °C	3,886.1 µS/cm	0.16 mg/L	0.84 NTU	-35.7 mV	28.32 ft	2.07 PSU	125.00 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: 12/3/2024 10:51:10 AM
Project: Bowen AP Baseline Sampling December 2024
Operator Name: Sawyer Kovacs

Location Name: PT-02 **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: 31.39 ft**	**Pump Type: GeoTech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 3677.667 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: 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	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
12/3/2024 10:51 AM	00:00	6.30 pH	12.09 °C	4,219.5 µS/cm	2.31 mg/L	8.86 NTU	193.5 mV	31.45 ft	2.25 PSU	110.00 ml/min
12/3/2024 10:56 AM	05:00	6.69 pH	13.42 °C	3,939.8 µS/cm	0.26 mg/L	6.79 NTU	173.6 mV	31.45 ft	2.09 PSU	110.00 ml/min
12/3/2024 11:01 AM	10:00	6.77 pH	12.94 °C	3,960.1 µS/cm	0.13 mg/L	5.36 NTU	167.1 mV	31.45 ft	2.10 PSU	110.00 ml/min
12/3/2024 11:06 AM	15:00	6.82 pH	12.93 °C	3,948.1 µS/cm	0.09 mg/L	4.09 NTU	160.4 mV	31.45 ft	2.10 PSU	110.00 ml/min
12/3/2024 11:11 AM	20:00	6.83 pH	12.99 °C	3,928.4 µS/cm	0.08 mg/L	3.44 NTU	154.7 mV	31.45 ft	2.09 PSU	110.00 ml/min
12/3/2024 11:16 AM	25:00	6.84 pH	13.11 °C	3,906.2 µS/cm	0.07 mg/L	3.04 NTU	149.7 mV	31.45 ft	2.07 PSU	110.00 ml/min
12/3/2024 11:21 AM	30:00	6.85 pH	13.74 °C	3,871.7 µS/cm	0.07 mg/L	2.77 NTU	144.9 mV	31.46 ft	2.06 PSU	110.00 ml/min
12/3/2024 11:24 AM	33:26	6.85 pH	13.47 °C	3,864.5 µS/cm	0.06 mg/L	2.77 NTU	135.6 mV	31.46 ft	2.05 PSU	110.00 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 12/3/2024 1:00:25 PM
Project: Bowen AP Baseline Sampling December 2024
Operator Name: Sawyer Kovacs

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 in** **Initial Depth to Water: 23.15 ft**	**Pump Type: GeoTech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 3900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 5.41 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	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
12/3/2024 1:00 PM	00:00	7.10 pH	16.63 °C	3,190.8 µS/cm	0.24 mg/L	1.51 NTU	92.4 mV	28.50 ft	1.68 PSU	130.00 ml/min
12/3/2024 1:05 PM	05:00	7.09 pH	16.93 °C	3,184.3 µS/cm	0.17 mg/L	1.79 NTU	79.0 mV	28.50 ft	1.68 PSU	130.00 ml/min
12/3/2024 1:10 PM	10:00	7.06 pH	16.99 °C	3,316.9 µS/cm	0.14 mg/L	0.51 NTU	58.2 mV	28.50 ft	1.75 PSU	130.00 ml/min
12/3/2024 1:15 PM	15:00	7.05 pH	17.12 °C	3,421.9 µS/cm	0.13 mg/L	0.32 NTU	45.3 mV	28.51 ft	1.81 PSU	130.00 ml/min
12/3/2024 1:20 PM	20:00	7.04 pH	16.99 °C	3,478.7 µS/cm	0.12 mg/L	0.32 NTU	44.2 mV	28.53 ft	1.84 PSU	130.00 ml/min
12/3/2024 1:25 PM	25:00	7.04 pH	16.72 °C	3,515.9 µS/cm	0.11 mg/L	0.24 NTU	42.5 mV	28.55 ft	1.86 PSU	130.00 ml/min
12/3/2024 1:30 PM	30:00	7.02 pH	16.81 °C	3,590.0 µS/cm	0.11 mg/L	0.24 NTU	38.5 mV	28.56 ft	1.91 PSU	130.00 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 12/4/2024 12:46:08 PM
Project: Plant Bowen AP Baseline Sampling December 2024
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: 27.92 ft**	**Pump Type: GeoTech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.84 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Prepurged 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	
12/4/2024 12:46 PM	00:00	7.03 pH	16.67 °C	3,550.0 µS/cm	1.36 mg/L	1.60 NTU	6.0 mV	28.69 ft	1.88 PSU	100.00 ml/min
12/4/2024 12:51 PM	05:00	7.03 pH	16.53 °C	3,583.2 µS/cm	1.66 mg/L	1.36 NTU	15.6 mV	28.69 ft	1.90 PSU	100.00 ml/min
12/4/2024 12:56 PM	10:00	7.02 pH	16.54 °C	3,565.1 µS/cm	1.69 mg/L	1.73 NTU	17.4 mV	28.69 ft	1.89 PSU	100.00 ml/min
12/4/2024 1:01 PM	15:00	7.02 pH	16.42 °C	3,557.7 µS/cm	1.72 mg/L	1.47 NTU	17.9 mV	28.70 ft	1.89 PSU	100.00 ml/min
12/4/2024 1:06 PM	20:00	7.01 pH	16.54 °C	3,565.0 µS/cm	1.76 mg/L	1.82 NTU	16.3 mV	28.74 ft	1.89 PSU	100.00 ml/min
12/4/2024 1:11 PM	25:00	7.01 pH	16.40 °C	3,568.5 µS/cm	1.67 mg/L	1.65 NTU	11.8 mV	28.76 ft	1.89 PSU	100.00 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: 12/4/2024 1:22:19 PM
Project: Bowen AP Baseline Sampling December 2024
Operator Name: Sawyer Kovacs

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: 27.9 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 4.36 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850762**

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	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
12/4/2024 1:22 PM	00:00	7.08 pH	16.99 °C	4,028.5 µS/cm	3.22 mg/L	0.75 NTU	130.9 mV	29.05 ft	2.15 PSU	100.00 ml/min
12/4/2024 1:27 PM	05:00	7.06 pH	17.63 °C	4,003.5 µS/cm	3.13 mg/L	0.55 NTU	142.6 mV	29.46 ft	2.14 PSU	100.00 ml/min
12/4/2024 1:32 PM	10:00	7.05 pH	17.93 °C	3,988.0 µS/cm	3.11 mg/L	0.46 NTU	150.2 mV	29.77 ft	2.13 PSU	100.00 ml/min
12/4/2024 1:37 PM	15:00	7.05 pH	17.90 °C	3,978.2 µS/cm	3.10 mg/L	0.30 NTU	162.5 mV	30.10 ft	2.13 PSU	100.00 ml/min
12/4/2024 1:42 PM	20:00	7.05 pH	17.88 °C	3,973.7 µS/cm	3.09 mg/L	0.35 NTU	177.5 mV	30.39 ft	2.12 PSU	100.00 ml/min
12/4/2024 1:47 PM	25:00	7.04 pH	17.93 °C	3,988.2 µS/cm	3.10 mg/L	0.36 NTU	194.8 mV	30.65 ft	2.13 PSU	100.00 ml/min
12/4/2024 1:52 PM	30:00	7.04 pH	18.01 °C	3,959.9 µS/cm	3.05 mg/L	0.36 NTU	214.5 mV	30.86 ft	2.12 PSU	100.00 ml/min
12/4/2024 1:57 PM	35:00	7.04 pH	18.01 °C	3,977.5 µS/cm	3.04 mg/L	0.25 NTU	240.7 mV	31.08 ft	2.13 PSU	100.00 ml/min
12/4/2024 2:02 PM	40:00	7.04 pH	17.83 °C	3,969.7 µS/cm	3.01 mg/L	0.30 NTU	275.9 mV	31.22 ft	2.12 PSU	100.00 ml/min
12/4/2024 2:07 PM	45:00	7.04 pH	17.87 °C	3,972.4 µS/cm	2.86 mg/L	0.24 NTU	310.5 mV	31.41 ft	2.12 PSU	100.00 ml/min
12/4/2024 2:12 PM	50:00	7.04 pH	17.79 °C	3,991.1 µS/cm	2.81 mg/L	0.26 NTU	332.6 mV	31.58 ft	2.13 PSU	100.00 ml/min
12/4/2024 2:17 PM	55:00	7.04 pH	17.92 °C	3,985.8 µS/cm	2.69 mg/L	0.06 NTU	342.8 mV	31.72 ft	2.13 PSU	100.00 ml/min
12/4/2024 2:22 PM	01:00:00	7.04 pH	17.84 °C	3,971.5 µS/cm	2.57 mg/L	0.23 NTU	345.1 mV	31.84 ft	2.12 PSU	100.00 ml/min
12/4/2024 2:27 PM	01:05:00	7.04 pH	17.83 °C	3,982.7 µS/cm	2.44 mg/L	0.12 NTU	346.9 mV	31.94 ft	2.13 PSU	100.00 ml/min
12/4/2024 2:32 PM	01:10:00	7.04 pH	17.65 °C	4,010.0 µS/cm	2.46 mg/L	0.29 NTU	347.1 mV	32.06 ft	2.14 PSU	100.00 ml/min

12/4/2024 2:37 PM	01:15:00	7.04 pH	17.66 °C	3,996.5 µS/cm	2.44 mg/L	0.19 NTU	343.2 mV	32.15 ft	2.14 PSU	100.00 ml/min
12/4/2024 2:42 PM	01:20:00	7.04 pH	17.60 °C	4,003.4 µS/cm	2.39 mg/L	0.17 NTU	337.1 mV	32.26 ft	2.14 PSU	100.00 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/13/2025 3:44:03 PM
Project: Plant Bowen AP February 2025 CA
Operator Name: Sawyer Kovacs

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: 16.86 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.06 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	
2/13/2025 3:44 PM	00:00	6.97 pH	18.03 °C	1,155.3 µS/cm	2.57 mg/L	3.03 NTU	15.0 mV	16.90 ft	0.58 PSU	100.00 ml/min
2/13/2025 3:49 PM	05:00	6.97 pH	17.93 °C	1,153.7 µS/cm	2.48 mg/L	3.18 NTU	13.8 mV	16.90 ft	0.58 PSU	100.00 ml/min
2/13/2025 3:54 PM	10:00	6.96 pH	17.90 °C	1,159.5 µS/cm	2.46 mg/L	3.98 NTU	13.8 mV	16.90 ft	0.58 PSU	100.00 ml/min
2/13/2025 3:59 PM	15:00	6.96 pH	17.82 °C	1,165.8 µS/cm	2.39 mg/L	3.55 NTU	14.0 mV	16.91 ft	0.59 PSU	100.00 ml/min
2/13/2025 4:04 PM	20:00	6.96 pH	17.88 °C	1,166.8 µS/cm	2.33 mg/L	3.02 NTU	15.7 mV	16.92 ft	0.59 PSU	100.00 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/13/2025 3:37:16 PM
Project: Plant Bowen AP February 2025 CA
Operator Name: Kyle Rhyne

Location Name: PT-02 **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: 19.68 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 9800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 245 ml/min** **Final Draw Down: 0.35 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 980712**

Test Notes:
Pre-purged 3 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 3:37 PM	00:00	7.37 pH	26.95 °C	952.43 µS/cm	3.81 mg/L	8.44 NTU	42.8 mV	19.98 ft	245.00 ml/min
2/13/2025 3:42 PM	05:00	7.05 pH	18.63 °C	1,124.2 µS/cm	3.23 mg/L	7.53 NTU	32.9 mV	20.01 ft	245.00 ml/min
2/13/2025 3:47 PM	10:00	7.00 pH	18.24 °C	1,106.2 µS/cm	3.22 mg/L	6.35 NTU	32.1 mV	20.00 ft	245.00 ml/min
2/13/2025 3:52 PM	15:00	6.98 pH	18.30 °C	1,085.3 µS/cm	3.24 mg/L	5.70 NTU	32.5 mV	20.01 ft	245.00 ml/min
2/13/2025 3:57 PM	20:00	6.96 pH	18.28 °C	1,087.4 µS/cm	3.22 mg/L	5.23 NTU	32.9 mV	20.02 ft	245.00 ml/min
2/13/2025 4:02 PM	25:00	6.95 pH	18.26 °C	1,087.3 µS/cm	3.21 mg/L	5.46 NTU	32.8 mV	20.02 ft	245.00 ml/min
2/13/2025 4:07 PM	30:00	6.94 pH	18.02 °C	1,086.6 µS/cm	3.23 mg/L	4.77 NTU	32.8 mV	20.02 ft	245.00 ml/min
2/13/2025 4:12 PM	35:00	6.94 pH	17.99 °C	1,060.2 µS/cm	3.22 mg/L	4.59 NTU	32.8 mV	20.04 ft	245.00 ml/min
2/13/2025 4:17 PM	40:00	6.93 pH	17.83 °C	1,058.9 µS/cm	3.27 mg/L	4.65 NTU	32.6 mV	20.03 ft	245.00 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 2/13/2025 1:30:21 PM
Project: Plant Bowen AP February 2025 CA
Operator Name: Kyle Rhyne

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: 16.99 ft**	**Pump Type: GeoTech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 3250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.5 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 1:30 PM	00:00	7.24 pH	24.29 °C	1,662.1 µS/cm	3.06 mg/L	6.87 NTU	15.0 mV	17.33 ft	130.00 ml/min
2/13/2025 1:35 PM	05:00	7.10 pH	18.92 °C	2,190.3 µS/cm	0.59 mg/L	5.89 NTU	1.2 mV	17.37 ft	130.00 ml/min
2/13/2025 1:40 PM	10:00	7.09 pH	18.63 °C	2,229.3 µS/cm	0.49 mg/L	3.69 NTU	6.2 mV	17.40 ft	130.00 ml/min
2/13/2025 1:45 PM	15:00	7.08 pH	18.61 °C	2,263.0 µS/cm	0.44 mg/L	3.19 NTU	6.2 mV	17.43 ft	130.00 ml/min
2/13/2025 1:50 PM	20:00	7.07 pH	18.50 °C	2,279.4 µS/cm	0.40 mg/L	2.67 NTU	6.6 mV	17.47 ft	130.00 ml/min
2/13/2025 1:55 PM	25:00	7.06 pH	18.83 °C	2,275.5 µS/cm	0.36 mg/L	1.86 NTU	7.5 mV	17.49 ft	130.00 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 2/13/2025 1:36:22 PM
Project: Plant Bowen AP February 2025 CA
Operator Name: Sawyer Kovacs

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: 16.66 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.85 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	
2/13/2025 1:36 PM	00:00	6.94 pH	17.18 °C	2,875.7 µS/cm	0.46 mg/L	7.44 NTU	-46.5 mV	17.39 ft	1.51 PSU	100.00 ml/min
2/13/2025 1:41 PM	05:00	6.96 pH	17.26 °C	2,849.5 µS/cm	0.41 mg/L	6.47 NTU	-50.1 mV	17.44 ft	1.49 PSU	100.00 ml/min
2/13/2025 1:46 PM	10:00	6.97 pH	17.39 °C	2,870.7 µS/cm	0.37 mg/L	7.69 NTU	-53.4 mV	17.45 ft	1.51 PSU	100.00 ml/min
2/13/2025 1:51 PM	15:00	6.98 pH	17.13 °C	2,876.8 µS/cm	0.34 mg/L	7.99 NTU	-55.8 mV	17.48 ft	1.51 PSU	100.00 ml/min
2/13/2025 1:56 PM	20:00	7.00 pH	17.11 °C	2,881.8 µS/cm	0.34 mg/L	4.98 NTU	-57.5 mV	17.50 ft	1.51 PSU	100.00 ml/min
2/13/2025 2:01 PM	25:00	7.01 pH	17.20 °C	2,914.6 µS/cm	0.35 mg/L	6.80 NTU	-59.9 mV	17.51 ft	1.53 PSU	100.00 ml/min
2/13/2025 2:06 PM	30:00	7.02 pH	16.86 °C	2,922.7 µS/cm	0.35 mg/L	4.76 NTU	-60.4 mV	17.51 ft	1.53 PSU	100.00 ml/min
2/13/2025 2:11 PM	35:00	7.03 pH	16.77 °C	2,937.6 µS/cm	0.34 mg/L	4.76 NTU	-61.8 mV	17.51 ft	1.54 PSU	100.00 ml/min
2/13/2025 2:16 PM	40:00	7.04 pH	16.84 °C	2,926.9 µS/cm	0.34 mg/L	4.52 NTU	-62.6 mV	17.51 ft	1.54 PSU	100.00 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS, Sulfide
FD-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 2/13/2025 11:00:17 AM
Project: Plant Bowen AP February 2025 CA
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: 15.93 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 9200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 115 ml/min** **Final Draw Down: 4.11 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	
2/13/2025 11:00 AM	00:00	6.92 pH	17.97 °C	4,092.7 µS/cm	1.64 mg/L	1.15 NTU	176.0 mV	17.66 ft	2.19 PSU	115.00 ml/min
2/13/2025 11:05 AM	05:00	6.92 pH	17.59 °C	4,002.1 µS/cm	1.22 mg/L	1.29 NTU	155.6 mV	17.99 ft	2.14 PSU	115.00 ml/min
2/13/2025 11:10 AM	10:00	6.93 pH	17.21 °C	3,960.8 µS/cm	0.98 mg/L	1.35 NTU	146.0 mV	18.24 ft	2.12 PSU	115.00 ml/min
2/13/2025 11:15 AM	15:00	6.94 pH	17.84 °C	3,949.8 µS/cm	0.89 mg/L	1.01 NTU	138.5 mV	18.47 ft	2.11 PSU	115.00 ml/min
2/13/2025 11:20 AM	20:00	6.89 pH	17.10 °C	3,981.5 µS/cm	0.88 mg/L	1.02 NTU	132.6 mV	18.68 ft	2.13 PSU	115.00 ml/min
2/13/2025 11:25 AM	25:00	6.90 pH	17.39 °C	3,939.5 µS/cm	0.84 mg/L	1.06 NTU	127.2 mV	18.88 ft	2.10 PSU	115.00 ml/min
2/13/2025 11:30 AM	30:00	6.91 pH	17.39 °C	3,944.0 µS/cm	0.80 mg/L	0.98 NTU	121.3 mV	19.03 ft	2.11 PSU	115.00 ml/min
2/13/2025 11:35 AM	35:00	6.92 pH	17.64 °C	3,935.4 µS/cm	0.76 mg/L	0.85 NTU	114.9 mV	19.17 ft	2.10 PSU	115.00 ml/min
2/13/2025 11:40 AM	40:00	6.94 pH	17.09 °C	3,915.6 µS/cm	0.72 mg/L	0.96 NTU	107.7 mV	19.32 ft	2.09 PSU	115.00 ml/min
2/13/2025 11:45 AM	45:00	6.95 pH	17.28 °C	3,938.3 µS/cm	0.69 mg/L	0.88 NTU	98.9 mV	19.39 ft	2.10 PSU	115.00 ml/min
2/13/2025 11:50 AM	50:00	6.94 pH	17.53 °C	3,905.6 µS/cm	0.66 mg/L	0.85 NTU	90.2 mV	19.51 ft	2.08 PSU	115.00 ml/min
2/13/2025 11:55 AM	55:00	6.95 pH	17.80 °C	3,906.6 µS/cm	0.63 mg/L	0.78 NTU	82.4 mV	19.57 ft	2.09 PSU	115.00 ml/min
2/13/2025 12:00 PM	01:00:00	6.96 pH	17.43 °C	3,884.1 µS/cm	0.59 mg/L	0.86 NTU	75.4 mV	19.64 ft	2.07 PSU	115.00 ml/min
2/13/2025 12:05 PM	01:05:00	6.96 pH	17.63 °C	3,949.5 µS/cm	0.56 mg/L	0.75 NTU	69.2 mV	19.69 ft	2.11 PSU	115.00 ml/min
2/13/2025 12:10 PM	01:10:00	6.97 pH	17.48 °C	3,923.2 µS/cm	0.54 mg/L	0.81 NTU	64.6 mV	19.72 ft	2.09 PSU	115.00 ml/min

2/13/2025 12:15 PM	01:15:00	6.97 pH	17.44 °C	3,900.7 µS/cm	0.54 mg/L	0.79 NTU	60.4 mV	19.88 ft	2.08 PSU	115.00 ml/min
2/13/2025 12:20 PM	01:20:00	6.97 pH	17.92 °C	3,895.9 µS/cm	0.51 mg/L	0.78 NTU	56.4 mV	20.04 ft	2.08 PSU	115.00 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 4/9/2025 11:55:04 AM
Project: Plant Bowen AP CA April 2025
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: 22.72 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 2800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

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	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
4/9/2025 11:55 AM	00:00	6.98 pH	19.30 °C	1,381.8 µS/cm	0.70 mg/L	2.87 NTU	39.4 mV	22.82 ft	0.70 PSU	140.00 ml/min
4/9/2025 12:00 PM	05:00	6.98 pH	19.26 °C	1,390.2 µS/cm	0.69 mg/L	2.33 NTU	97.7 mV	22.83 ft	0.70 PSU	140.00 ml/min
4/9/2025 12:05 PM	10:00	6.98 pH	19.38 °C	1,368.0 µS/cm	0.68 mg/L	2.36 NTU	72.9 mV	22.84 ft	0.69 PSU	140.00 ml/min
4/9/2025 12:10 PM	15:00	6.98 pH	19.46 °C	1,372.2 µS/cm	0.68 mg/L	3.08 NTU	77.2 mV	22.85 ft	0.69 PSU	140.00 ml/min
4/9/2025 12:15 PM	20:00	6.98 pH	19.47 °C	1,374.9 µS/cm	0.67 mg/L	2.02 NTU	80.4 mV	22.85 ft	0.70 PSU	140.00 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/9/2025 1:40:26 PM
Project: Plant Bowen AP CA April 2025
Operator Name: Jay Siewert

Location Name: PT-02 **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: 25.85 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 4800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.19 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

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	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
4/9/2025 1:40 PM	00:00	7.02 pH	19.80 °C	1,167.3 µS/cm	0.90 mg/L	2.78 NTU	57.7 mV	26.02 ft	0.59 PSU	120.00 ml/min
4/9/2025 1:45 PM	05:00	7.01 pH	19.79 °C	1,129.5 µS/cm	1.09 mg/L	2.62 NTU	131.1 mV	26.02 ft	0.57 PSU	120.00 ml/min
4/9/2025 1:50 PM	10:00	7.01 pH	19.84 °C	1,087.4 µS/cm	1.21 mg/L	2.61 NTU	96.3 mV	26.02 ft	0.54 PSU	120.00 ml/min
4/9/2025 1:55 PM	15:00	7.00 pH	19.78 °C	1,060.7 µS/cm	1.35 mg/L	2.26 NTU	99.5 mV	26.03 ft	0.53 PSU	120.00 ml/min
4/9/2025 2:00 PM	20:00	7.00 pH	19.80 °C	1,048.3 µS/cm	1.46 mg/L	2.12 NTU	101.9 mV	26.03 ft	0.52 PSU	120.00 ml/min
4/9/2025 2:05 PM	25:00	7.00 pH	19.90 °C	1,032.6 µS/cm	1.51 mg/L	1.84 NTU	105.0 mV	26.03 ft	0.52 PSU	120.00 ml/min
4/9/2025 2:10 PM	30:00	7.00 pH	19.82 °C	1,026.7 µS/cm	1.59 mg/L	2.31 NTU	107.3 mV	26.04 ft	0.51 PSU	120.00 ml/min
4/9/2025 2:15 PM	35:00	6.99 pH	19.90 °C	1,022.7 µS/cm	1.62 mg/L	2.17 NTU	109.9 mV	26.04 ft	0.51 PSU	120.00 ml/min
4/9/2025 2:20 PM	40:00	6.99 pH	19.91 °C	1,018.6 µS/cm	1.66 mg/L	1.97 NTU	112.6 mV	26.04 ft	0.51 PSU	120.00 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: 4/9/2025 10:04:05 AM
Project: Plant Bowen AP CA April 2025
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: 22.53 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 4375 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.43 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

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	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
4/9/2025 10:04 AM	00:00	7.03 pH	17.46 °C	2,298.8 µS/cm	0.21 mg/L	7.48 NTU	54.1 mV	22.86 ft	1.19 PSU	125.00 ml/min
4/9/2025 10:09 AM	05:00	7.03 pH	17.67 °C	2,265.9 µS/cm	0.18 mg/L	7.68 NTU	33.6 mV	22.88 ft	1.17 PSU	125.00 ml/min
4/9/2025 10:14 AM	10:00	7.04 pH	17.74 °C	2,248.5 µS/cm	0.17 mg/L	6.32 NTU	14.9 mV	22.90 ft	1.16 PSU	125.00 ml/min
4/9/2025 10:19 AM	15:00	7.04 pH	17.72 °C	2,185.2 µS/cm	0.17 mg/L	5.57 NTU	4.1 mV	22.92 ft	1.13 PSU	125.00 ml/min
4/9/2025 10:24 AM	20:00	7.05 pH	17.84 °C	2,174.3 µS/cm	0.16 mg/L	5.38 NTU	-1.5 mV	22.94 ft	1.12 PSU	125.00 ml/min
4/9/2025 10:29 AM	25:00	7.05 pH	17.80 °C	2,136.8 µS/cm	0.16 mg/L	4.96 NTU	-3.7 mV	22.94 ft	1.10 PSU	125.00 ml/min
4/9/2025 10:34 AM	30:00	7.05 pH	17.93 °C	2,103.0 µS/cm	0.15 mg/L	4.92 NTU	-5.7 mV	22.95 ft	1.09 PSU	125.00 ml/min
4/9/2025 10:39 AM	35:00	7.06 pH	17.94 °C	2,086.3 µS/cm	0.14 mg/L	4.59 NTU	-4.3 mV	22.96 ft	1.08 PSU	125.00 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 4/9/2025 1:37:07 PM
Project: Plant Bowen AP CA April 2025
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: 22.42 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 9450 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 105 ml/min** **Final Draw Down: 0.57 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

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	
4/9/2025 1:37 PM	00:00	6.89 pH	20.84 °C	624.47 µS/cm	4.36 mg/L	6.94 NTU	7.0 mV	22.90 ft	0.31 PSU	105.00 ml/min
4/9/2025 1:42 PM	05:00	6.89 pH	20.79 °C	630.48 µS/cm	4.36 mg/L	6.62 NTU	14.8 mV	22.92 ft	0.31 PSU	105.00 ml/min
4/9/2025 1:47 PM	10:00	6.88 pH	20.82 °C	630.13 µS/cm	4.34 mg/L	6.69 NTU	17.8 mV	22.93 ft	0.31 PSU	105.00 ml/min
4/9/2025 1:52 PM	15:00	6.89 pH	20.75 °C	633.29 µS/cm	4.31 mg/L	6.25 NTU	20.4 mV	22.95 ft	0.31 PSU	105.00 ml/min
4/9/2025 1:57 PM	20:00	6.88 pH	20.68 °C	634.59 µS/cm	4.31 mg/L	6.19 NTU	12.7 mV	22.96 ft	0.31 PSU	105.00 ml/min
4/9/2025 2:02 PM	25:00	6.89 pH	20.89 °C	636.34 µS/cm	4.26 mg/L	5.92 NTU	13.2 mV	22.96 ft	0.31 PSU	105.00 ml/min
4/9/2025 2:07 PM	30:00	6.89 pH	20.82 °C	637.43 µS/cm	4.23 mg/L	5.67 NTU	13.5 mV	22.96 ft	0.31 PSU	105.00 ml/min
4/9/2025 2:12 PM	35:00	6.87 pH	20.88 °C	638.77 µS/cm	4.20 mg/L	5.73 NTU	13.7 mV	22.96 ft	0.31 PSU	105.00 ml/min
4/9/2025 2:17 PM	40:00	6.89 pH	20.87 °C	640.29 µS/cm	4.18 mg/L	5.63 NTU	14.1 mV	22.96 ft	0.31 PSU	105.00 ml/min
4/9/2025 2:22 PM	45:00	6.88 pH	21.02 °C	646.84 µS/cm	4.15 mg/L	5.36 NTU	14.5 mV	22.96 ft	0.32 PSU	105.00 ml/min
4/9/2025 2:27 PM	50:00	6.88 pH	20.93 °C	642.65 µS/cm	4.15 mg/L	5.32 NTU	14.8 mV	22.97 ft	0.32 PSU	105.00 ml/min
4/9/2025 2:32 PM	55:00	6.87 pH	20.86 °C	645.73 µS/cm	4.12 mg/L	5.50 NTU	15.1 mV	22.97 ft	0.32 PSU	105.00 ml/min
4/9/2025 2:37 PM	01:00:00	6.88 pH	20.85 °C	652.15 µS/cm	4.12 mg/L	5.16 NTU	15.6 mV	22.97 ft	0.32 PSU	105.00 ml/min
4/9/2025 2:42 PM	01:05:00	6.86 pH	20.86 °C	655.30 µS/cm	4.11 mg/L	5.48 NTU	15.2 mV	22.97 ft	0.32 PSU	105.00 ml/min
4/9/2025 2:47 PM	01:10:00	6.89 pH	20.79 °C	653.55 µS/cm	4.11 mg/L	5.24 NTU	15.6 mV	22.98 ft	0.32 PSU	105.00 ml/min

4/9/2025 2:52 PM	01:15:00	6.88 pH	20.73 °C	655.62 µS/cm	4.09 mg/L	5.08 NTU	16.2 mV	22.98 ft	0.32 PSU	105.00 ml/min
4/9/2025 2:57 PM	01:20:00	6.88 pH	20.76 °C	660.73 µS/cm	4.07 mg/L	4.95 NTU	15.9 mV	22.98 ft	0.32 PSU	105.00 ml/min
4/9/2025 3:02 PM	01:25:00	6.89 pH	20.75 °C	665.13 µS/cm	4.05 mg/L	4.66 NTU	16.4 mV	22.99 ft	0.33 PSU	105.00 ml/min
4/9/2025 3:07 PM	01:30:00	6.86 pH	20.74 °C	660.15 µS/cm	4.01 mg/L	4.44 NTU	16.4 mV	22.99 ft	0.32 PSU	105.00 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: 4/9/2025 10:14:45 AM
Project: Plant Bowen AP CA April 2025
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: 22.01 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 11614.75 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 105 ml/min** **Final Draw Down: 3.83 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
Prepurged 3.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 1000	
4/9/2025 10:14 AM	00:00	7.10 pH	18.16 °C	3,461.1 µS/cm	0.21 mg/L	6.29 NTU	-183.9 mV	24.50 ft	1.84 PSU	110.00 ml/min
4/9/2025 10:19 AM	05:00	7.11 pH	18.28 °C	3,478.9 µS/cm	0.18 mg/L	5.24 NTU	-248.2 mV	24.69 ft	1.85 PSU	110.00 ml/min
4/9/2025 10:24 AM	10:00	7.11 pH	18.26 °C	3,492.0 µS/cm	0.15 mg/L	6.67 NTU	-215.1 mV	24.87 ft	1.85 PSU	110.00 ml/min
4/9/2025 10:29 AM	15:00	7.11 pH	18.29 °C	3,490.6 µS/cm	0.13 mg/L	5.54 NTU	-219.1 mV	25.02 ft	1.85 PSU	110.00 ml/min
4/9/2025 10:34 AM	20:00	7.12 pH	18.25 °C	3,486.6 µS/cm	0.12 mg/L	5.60 NTU	-222.5 mV	25.09 ft	1.85 PSU	110.00 ml/min
4/9/2025 10:39 AM	25:00	7.12 pH	18.24 °C	3,488.2 µS/cm	0.11 mg/L	5.20 NTU	-224.8 mV	25.14 ft	1.85 PSU	110.00 ml/min
4/9/2025 10:44 AM	30:00	7.12 pH	18.32 °C	3,476.1 µS/cm	0.10 mg/L	4.29 NTU	-227.7 mV	25.17 ft	1.84 PSU	110.00 ml/min
4/9/2025 10:49 AM	35:00	7.12 pH	18.34 °C	3,475.7 µS/cm	0.10 mg/L	5.87 NTU	-228.8 mV	25.18 ft	1.84 PSU	110.00 ml/min
4/9/2025 10:54 AM	40:00	7.12 pH	18.37 °C	3,465.7 µS/cm	0.09 mg/L	6.38 NTU	-229.7 mV	25.21 ft	1.84 PSU	110.00 ml/min
4/9/2025 10:59 AM	45:00	7.12 pH	18.25 °C	3,481.6 µS/cm	0.08 mg/L	6.52 NTU	-231.0 mV	25.25 ft	1.85 PSU	110.00 ml/min
4/9/2025 11:04 AM	50:00	7.11 pH	18.35 °C	3,414.3 µS/cm	0.07 mg/L	6.68 NTU	-234.0 mV	25.39 ft	1.81 PSU	110.00 ml/min
4/9/2025 11:09 AM	55:00	7.11 pH	18.43 °C	3,395.2 µS/cm	0.06 mg/L	6.64 NTU	-234.2 mV	25.55 ft	1.80 PSU	110.00 ml/min
4/9/2025 11:14 AM	01:00:00	7.11 pH	18.46 °C	3,373.9 µS/cm	0.06 mg/L	5.62 NTU	-233.7 mV	25.64 ft	1.79 PSU	110.00 ml/min
4/9/2025 11:19 AM	01:05:00	7.11 pH	18.48 °C	3,359.7 µS/cm	0.05 mg/L	6.63 NTU	-233.1 mV	25.71 ft	1.78 PSU	110.00 ml/min
4/9/2025 11:24 AM	01:10:00	7.10 pH	18.53 °C	3,330.3 µS/cm	0.05 mg/L	6.00 NTU	-230.9 mV	25.74 ft	1.76 PSU	105.00 ml/min

4/9/2025 11:29 AM	01:15:00	7.10 pH	18.48 °C	3,342.6 µS/cm	0.05 mg/L	6.09 NTU	-228.0 mV	25.78 ft	1.77 PSU	105.00 ml/min
4/9/2025 11:34 AM	01:20:00	7.10 pH	18.47 °C	3,328.3 µS/cm	0.06 mg/L	5.78 NTU	-225.7 mV	25.81 ft	1.76 PSU	105.00 ml/min
4/9/2025 11:37 AM	01:22:17	7.10 pH	18.47 °C	3,322.7 µS/cm	0.06 mg/L	5.75 NTU	-225.8 mV	25.81 ft	1.76 PSU	105.00 ml/min
4/9/2025 11:42 AM	01:27:17	7.09 pH	18.52 °C	3,311.9 µS/cm	0.05 mg/L	5.54 NTU	-223.2 mV	25.82 ft	1.75 PSU	105.00 ml/min
4/9/2025 11:47 AM	01:32:17	7.09 pH	18.61 °C	3,296.5 µS/cm	0.06 mg/L	5.10 NTU	-220.5 mV	25.82 ft	1.74 PSU	105.00 ml/min
4/9/2025 11:52 AM	01:37:17	7.09 pH	18.63 °C	3,297.4 µS/cm	0.06 mg/L	4.88 NTU	-218.6 mV	25.83 ft	1.74 PSU	105.00 ml/min
4/9/2025 11:57 AM	01:42:17	7.08 pH	18.65 °C	3,290.9 µS/cm	0.06 mg/L	4.85 NTU	-215.3 mV	25.83 ft	1.74 PSU	105.00 ml/min
4/9/2025 12:02 PM	01:47:17	7.08 pH	18.63 °C	3,279.3 µS/cm	0.06 mg/L	4.87 NTU	-213.7 mV	25.84 ft	1.73 PSU	105.00 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Calibration Forms

Site Name: Plant Dennis

Field Instrumentation Calibration Form

Date: 12/3/24

Calibrated By: Nicholas Pisano

Field Conditions: L27 H42

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	10230297
Turbidity Meter	LaMotte 2020	9429-4417

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	0854	Time Finish	0920		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	92.45	2.10	± 10%	NA
Specific Conductance (µS/cm)	4,490	4583.9	1.75	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	1.75	± 0.1	GWMP
pH (SU)	7.00	7.09	1.60	± 0.1	GWMP
pH (SU)	10.00	10.17	1.52	± 0.1	GWMP
ORP (mV)	228.0	216.7	1.36	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	9.97		

Calibration Check					
Time Start	1556	Time Finish	1606		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	[illegible] 4420.4	3.86	± 10% of standard	EPA 2023
pH (SU)	4.00	4.18 [illegible]	3.84	± 0.1	GWMP
pH (SU)	7.00	7.24	4.69	± 0.1	GWMP
pH (SU)	10.00	10.39	5.32	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.03	± 10% of standard	EPA 2023
	1.00	1.04		
	10.00	9.99		

Notes:

Site Name: Bowen AP

Field Instrumentation Calibration Form

Date: 12-03-2024

Calibrated By: Sawyer Hovacs

Field Conditions: Sunny 29/41

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
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	08:53	Time Finish	09:30		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	88.84	2.60	± 10%	NA
Specific Conductance (µS/cm)	4,490	2544.4	2.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.30	2.60	± 0.1	GWMP
pH (SU)	7.00	7.36	2.35	± 0.1	GWMP
pH (SU)	10.00	10.30	2.14	± 0.1	GWMP
ORP (mV)	228.0	236.2	1.98	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.78		
	10.00	7.13		

Calibration Check					
Time Start	1540	Time Finish	1545		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	2767.6	7.01	± 10% of standard	EPA 2023
pH (SU)	4.00	4.38	7.10	± 0.1	GWMP
pH (SU)	7.00	7.38	3.11	± 0.1	GWMP
pH (SU)	10.00	10.36	13.07	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.08	± 10% of standard	EPA 2023
	1.00	0.79		
	10.00	6.33		

Notes:

Site Name: Bowen AP

Field Instrumentation Calibration Form

Date: 12-04-2024

Calibrated By: Sawyer Hawkes

Field Conditions: Sunny 20/55

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	850762
Turbidity Meter	LaMotte 2020	2668-0320

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	240[illegible]943	05 2025	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	240[illegible]943	05 2025	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	240[illegible]858	06 2025	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	240[illegible]998	06 2025	Atlanta Instrument Rental, Inc.
D.O. (%)	N A	240[illegible]943	05 2025	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	240[illegible]792	06 2025	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	0914	Time Finish	0923		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.6	16.54	± 10%	NA
Specific Conductance (µS/cm)	4.490	37594	16.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.13	16.14	± 0.1	GWMP
pH (SU)	7.00	7.08	8.59	± 0.1	GWMP
pH (SU)	10.00	10.13	5.80	± 0.1	GWMP
ORP (mV)	228.0	227.6	3.94	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.11		
	10.00	6.68		

Calibration Check					
Time Start	1535	Time Finish	1539		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4546.2	12.83	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	12.76	± 0.1	GWMP
pH (SU)	7.00	7.27	12.16	± 0.1	GWMP
pH (SU)	10.00	10.21	11.84	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.18	± 10% of standard	EPA 2023
	1.00	0.91		
	10.00	6.51		

Notes:

Site Name Plant Bowen

Calibrated By Natalie Pilcher

Field Instrumentation Calibration Form

Date 12/4/24

Field Conditions L21 H54

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1652397
Turbidity Meter	LaMotte 2020	9429 - 4417

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	0914	Time Finish	0940		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	104.55	14.16	± 10%	NA
Specific Conductance (µS/cm)	4,490	4496.1	8.27	± 10% of standard	EPA 2023
pH (SU)	4 00	4.04	8.07	± 0.1	GWMP
pH (SU)	7.00	7 09	4.39	± 0.1	GWMP
pH (SU)	10.00	10.19	2.35	± 0.1	GWMP
ORP (mV)	228.0	226.2	1.66	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0 00	0.07	± 10% of standard	EPA 2023
	1.00	1.25		
	10 00	10 03		

Calibration Check					
Time Start	1445	Time Finish	1450		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4488.3	4.27	± 10% of standard	EPA 2023
pH (SU)	4 00	3.96	4.20	± 0.1	GWMP
pH (SU)	7 00	7.34	5.35	± 0.1	GWMP
pH (SU)	10.00	10.36	6.59	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0 00	0.03	± 10% of standard	EPA 2023
	1.00	1.14		
	10.00	10.06		

Notes

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 AP

Date: 04/09/2025

Calibrated By: Jay Siewert

Field Conditions: 68°/37°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1170065
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	08:36	**Time Finish**	08:49		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.59	5.16	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,771.50	5.80	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	5.90	± 0.1	GWMP
pH (SU)	7.00	7.11	6.68	± 0.1	GWMP
pH (SU)	10.00	10.40	6.93	± 0.1	GWMP
ORP (mV)	228.0	252.60	6.78	± 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	10.86		

Calibration Check					
Time Start	15:50	**Time Finish**	15:57		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,210.10	15.05	± 10% of standard	EPA 2023
pH (SU)	4.00	4.13	15.03	± 0.1	GWMP
pH (SU)	7.00	7.12	15.09	± 0.1	GWMP
pH (SU)	10.00	10.14	18.48	± 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	10.75		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 04/09/2025

Calibrated By: Natalie Piparo

Field Conditions: H 67, L 37

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1082817
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	08:38	**Time Finish**	08:55		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	96.66	5.00	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,667.00	6.97	± 10% of standard	EPA 2023
pH (SU)	4.00	4.14	8.06	± 0.1	GWMP
pH (SU)	7.00	6.95	7.85	± 0.1	GWMP
pH (SU)	10.00	10.01	7.89	± 0.1	GWMP
ORP (mV)	228.0	256.70	7.70	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	10.45		

Calibration Check					
Time Start	16:03	**Time Finish**	16:10		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,214.30	16.83	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	9.59	± 0.1	GWMP
pH (SU)	7.00	7.10	17.19	± 0.1	GWMP
pH (SU)	10.00	9.99	19.05	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.96		
	10.00	10.22		

Notes:

Start of Day:

End of Day:

APPENDIX C

Injection Field Forms

Injectate Batch Preparation Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Date: 4/22/2025

Field Personnel: Dan Gibbs, Labdhi Kagdi, Mintao Lu, Karlos Moten, Shannon McDonald, Shawn Milam, Sean Denty, Naclane Dixon

Weather Low 60F High 70F, P. Cloudy/Rain/Thunderstorms

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			250	15:43	0			N/A	N/A			Potable water for water test

Injectate Batch Preparation Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Date: 4/23/2025

Field Personnel: Dan Gibbs, Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam, Kevin Stephenson

Weather Low 61F High 79F, Sunny with chance of T-Storms

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			250	10:35	6			8.43	2,442			3 g/L Sodium Bicarbonate
3			250	12:34	6			8.58	2,460			3 g/L Sodium Bicarbonate
4			250	14:44	6			8.63	2,494			3 g/L Sodium Bicarbonate

Injectate Batch Preparation Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Date: 4/24/2025

Field Personnel: Dan Gibbs, Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam, Kevin Mace
Weather Low 62F High 73F, Overcast with chance of T-Storms

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)	
5			250	9:15	13			8.67	4,760			6 g/L Sodium Bicarbonate
6			250	11:00	13			8.56	6,004			6 g/L Sodium Bicarbonate
7			250	12:15	13			8.60	6,335			6 g/L Sodium Bicarbonate
8			250	13:45	13			8.61	6,127			6 g/L Sodium Bicarbonate
9			250	15:25	13			8.52	6,076			6 g/L Sodium Bicarbonate

Injectate Batch Preparation Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Date: 4/25/2025

Field Personnel: Dan Gibbs, Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam, Kevin Mace
Weather Low 62F High 73F, cloudy

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			250	8:23	13			8.51	5,734			6 g/L Sodium Bicarbonate
11			250	10:01	13			8.59	6,213			6 g/L Sodium Bicarbonate
12			250	11:37	13			8.60	5,066			6 g/L Sodium Bicarbonate
13			250	13:22	13			8.53	6,399			6 g/L Sodium Bicarbonate
14			250	14:49	13			8.53	5,552			6 g/L Sodium Bicarbonate

Injectate Batch Preparation Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Date: 4/26/2025

Field Personnel: Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam
Weather Low 64F High 74F, cloudy

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)	
15			250	8:51	13			8.65	6,179			6 g/L Sodium Bicarbonate
16			250	10:20	13			8.62	4,630			6 g/L Sodium Bicarbonate
17			250	11:53	13			8.56	6,651			6 g/L Sodium Bicarbonate
18			250	13:34	13			8.62	5,665			6 g/L Sodium Bicarbonate
19			250	15:09	13			8.55	5,733			6 g/L Sodium Bicarbonate

Injectate Batch Preparation Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Date: 4/27/2025

Field Personnel: Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam
Weather Low 64F High 74F, clear

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)	
20			250	9:20	13			8.67	6,189			6 g/L Sodium Bicarbonate
21			250	11:05	13			8.63	4,609			6 g/L Sodium Bicarbonate
22			100	13:20	0			N/A	N/A			Portable water for decon

Injection Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Field Personnel: Dan Gibbs, Labdhi Kagdi, Mintao Lu, Karlos Moten, Shannon McDonald, Shawn Milam, Sean Denty, Naclane Dixon

Date: 4/22/2025 Page 1 of 1
Weather: Low 60F High 70F, P. Cloudy/Rain/Thunderstorms
Activity: Pilot Injection

Location: Euharlee, GA

Start: Date 4/22/2025 Time 15:43

Finish: Date 4/22/2025 Time 17:40

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	15:43	17:40	250	<1	2.04	Water Test

Injection Log

Project Name: Plant Bowen Injection
Date: 4/23/2025
Page 1 of 1
Project Number: GW6581H
Weather: Low 61F High 79F, Sunny with chance of T-Storms
Field Personnel: Dan Gibbs, Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam, Kevin Stephenson
Activity: Pilot Injection

Location: Euharlee, GA
Start: Date 4/23/2025 **Time** 10:51
Finish: Date 4/23/2025 **Time** 16:58

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	10:51	15:11	250	<1	1.3	Batch 1
	14:25	15:11	250	<1	0.63	Remainder of Batch 1
	13:20	14:25	250	<1	3.78	Batch 2
	15:11	16:58	250	<1	2.12	Batch 3

Injection Log

Project Name: Plant Bowen Injection
Date: 4/24/2025

Project Number: GW6581H
Weather: Low 62F High 73F, Overcast with chance of T-Storms
Field Personnel: Dan Gibbs, Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam, Kevin Mace
Activity: Pilot Injection

Location: Euharlee, GA
Start: Date 4/24/2025 **Time** 9:46
Finish: Date 4/24/2025 **Time** 17:31

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	9:46	11:24	250	<1	2.60	Batch 4
	11:24	12:47	250	<1	2.83	Batch 5
	12:47	14:22	250	<1	2.57	Batch 6
	14:22	15:51	250	<1	2.80	Batch 7
	15:51	17:31	250	<1	2.33	Batch 8

Injection Log

Project Name: Plant Bowen Injection
Date: 4/25/2025

Project Number: GW6581H
Weather: Low 62F High 73F, cloudy
Field Personnel: Dan Gibbs, Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam, Kevin Mace
Activity: Pilot Injection

Location: Euharlee, GA
Start: Date 4/25/2025 **Time** 8:59
Finish: Date 4/25/2025 **Time** 17:00

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	8:59	10:34	250	<1	2.52	Batch 9
	10:34	12:04	250	<1	2.54	Batch 10
	12:04	13:44	250	<1	2.36	Batch 11
	13:44	15:13	250	<1	2.80	Batch 12
	15:13	17:00	250	<1	2.28	Batch 13

Injection Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Field Personnel: Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam

Date: 4/26/2025 Page 1 of 1
Weather: Low 64F High 74F, cloudy
Activity: Pilot Injection

Location: Euharlee, GA
Start: Date 4/26/2025 **Time** 9:03
Finish: Date 4/26/2025 **Time** 16:54

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	9:03	10:43	250	<1	2.48	Batch 14
	10:43	12:15	250	<1	2.55	Batch 15
	12:15	13:57	250	<1	2.34	Batch 16
	13:57	15:24	250	<1	2.55	Batch 17
	15:24	16:54	250	<1	2.87	Batch 18

Injection Log

Project Name: Plant Bowen Injection
Project Number: GW6581H
Field Personnel: Labdhi Kagdi, Shannon McDonald, Karlos Moten, Shawn Milam

Date: 4/27/2025
Weather: Low 64F High 74F, clear
Activity: Pilot Injection

Location: Euharlee, GA
Start: Date 4/27/2025 **Time** 9:37
Finish: Date 4/27/2025 **Time** 13:20

Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
INW-01	9:37	11:26	250	<1	2.14	Batch 19
	11:20	13:16	250	<1	2.43	Batch 20
	13:16	13:20	100	<1	N/R	Portable water for decon

FIELD PARAMETER MONITORING LOG

Plant Bowen AP-1 BGWC-22 Pilot Study

Well ID	Screened Interval (ft)	Date	Time	pH	DO	ORP	Conductivity	Temperature	Comments (e.g., Water Level, color, odor, precipitates, etc.)
				s.u.	(mg/L)	(mV)	(µS/cm)	(°C)	
PT-02	661.63-651.63	4/22/2025	15:40	7.29	--	--	2637	18.17	Start of 4/22 water test
PT-05	656.54-646.54			7.06	--	--	1473	18.14	
PT-02	661.63-651.63		17:40	7.24	--	--	2641	18.16	End of 4/22 water test
PT-05	656.54-646.54			7.08	--	--	1705	18.11	
PT-02	661.63-651.63	4/23/2025	10:50	7.28	--	--	2643	18.26	Start of 4/23 injection
PT-05	656.54-646.54			7.07	--	--	1523	18.14	
PT-02	661.63-651.63		17:00	7.30	--	--	2748	18.14	End of 4/23 injection
PT-05	656.54-646.54			7.15	--	--	1802	18.11	
PT-02	661.63-651.63	4/24/2025	9:50	7.44	--	--	2716	18.25	Start of 4/24 injection
PT-04	657.10-647.10			--	--	--	2160	--	
PT-05	656.54-646.54			7.08	--	--	1504	18.14	
PT-02	661.63-651.63		17:30	7.44	--	--	2916	18.14	End of 4/24 injection
PT-04	657.10-647.10			--	--	--	3818	--	
PT-05	656.54-646.54			7.12	--	--	1895	18.11	
PT-02	661.63-651.63	4/25/2025	9:00	7.64	--	--	3144	18.41	Start of 4/25 injection
PT-05	656.54-646.54			7.13	--	--	1833	18.14	
PT-04	657.10-647.10		10:00	--	--	--	3815	--	
PT-02	661.63-651.63		17:00	7.56	--	--	3184	18.15	End of 4/25 injection
PT-04	657.10-647.10			--	--	--	4590	--	
PT-05	656.54-646.54			7.03	--	--	2119	18.11	
PT-04	657.10-647.10	4/26/2025	8:50	--	--	--	3905	--	Start of 4/26 injection
PT-02	661.63-651.63		9:00	8.20	--	--	3105	18.63	
PT-05	656.54-646.54			6.98	--	--	1273	18.14	
PT-04	657.10-647.10		16:30	--	--	--	4975	--	End of 4/26 injection
PT-02	661.63-651.63		17:00	8.12	--	--	3083	18.16	
PT-05	656.54-646.54			6.98	--	--	2243	18.11	
PT-02	661.63-651.63	4/27/2025	10:00	8.20	--	--	3320	18.56	Start of 4/27 injection
PT-05	656.54-646.54			7.05	--	--	1945	18.13	
PT-04	657.10-647.10		10:20	--	--	--	5052	--	
PT-02	661.63-651.63		13:20	8.10	--	--	3257	18.18	End of 4/27 injection
PT-04	657.10-647.10			--	--	--	5310	--	
PT-05	656.54-646.54			6.98	--	--	2253	18.11	

-- - not measured
DO - dissolved oxygen
ORP - oxidation-reduction potential
mV - millivolt
µS/cm - microsiemens per centimeter
s.u. - standard unit
°C - degrees Celsius
Note:
(1) PT-02 and PT-05 readings are collected from down-well monitoring instrumentations.

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-02	4/22/2025	15:40	694.95	692.06	--	661.97
PT-04			691.68	692.06	--	--
PT-05			691.43	691.80	--	665.69
PT-06			691.31	691.78	--	667.52
PT-02	4/22/2025	17:40	694.95	692.06	--	662.33
PT-04			691.68	692.06	--	--
PT-05			691.43	691.80	--	667.61
PT-06			691.31	691.78	--	667.88
PT-02	4/23/2025	10:50	694.95	692.06	--	662.04
PT-04			691.68	692.06	--	--
PT-05			691.43	691.80	--	665.76
PT-06			691.31	691.78	--	667.66
PT-02	4/23/2025	17:00	694.95	692.06	--	662.55
PT-04			691.68	692.06	--	--
PT-05			691.43	691.80	--	667.42
PT-06			691.31	691.78	--	668.13
PT-02	4/24/2025	9:50	694.95	692.06	--	662.64
PT-04			691.68	692.06	26.29	665.39
PT-05			691.43	691.80	--	666.26
PT-06			691.31	691.78	--	668.31
PT-02	4/24/2025	17:30	694.95	692.06	--	663.02
PT-04			691.68	692.06	23.95	666.04
PT-05			691.43	691.80	--	668.15
PT-06			691.31	691.78	--	669.01
PT-02	4/25/2025	9:00	694.95	692.06	--	662.82
PT-05			691.43	691.80	--	666.48
PT-06			691.31	691.78	--	668.50
PT-04		10:00	691.68	692.06	24.61	667.07
PT-02	4/25/2025	17:00	694.95	692.06	--	663.30
PT-04			691.68	692.06	24.10	665.66
PT-05			691.43	691.80	--	668.03
PT-06			691.31	691.78	--	669.04
PT-02	4/26/2025	9:00	694.95	692.06	--	663.39
PT-04			691.68	692.06	--	664.05
PT-05			691.43	691.80	--	666.96
PT-06			691.31	691.78	--	669.22

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-02	4/26/2025	17:00	694.95	692.06	--	664.02
PT-04			691.68	692.06	--	665.82
PT-05			691.43	691.80	--	668.47
PT-06			691.31	691.78	--	670.12
PT-02	4/27/2025	9:20	694.95	692.06	--	650.38
PT-05			691.43	691.80	--	667.37
PT-06			691.31	691.78	--	669.63
PT-04		9:40	691.68	692.06	--	664.77
PT-02	4/27/2025	13:20	694.95	692.06	--	664.04
PT-04			691.68	692.06	--	665.75
PT-05			691.43	691.80	--	668.34
PT-06			691.31	691.78	--	670.05

-- - not measured
ft. bTOC - feet below top of casing
NAVD88 - North American Vertical Datum of 1988
Note:
(1) PT-02, PT-05, PT-06 water level readings are collected from down-well monitoring instrumentations.

APPENDIX B

Field Forms

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 5/2/2025 11:56:24 AM
Project: Plant Bowen AP CA Week 1 Performance Monitoring
Operator Name: Natalie Piparo

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.65 ft** **Total Depth: 43.65 ft** **Initial Depth to Water: 29.54 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 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: 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	
5/2/2025 11:56 AM	00:00	7.25 pH	22.11 °C	3,038.0 µS/cm	0.50 mg/L	2.77 NTU	0.2 mV	29.65 ft	1.60 PSU	115.00 ml/min
5/2/2025 12:01 PM	05:00	7.25 pH	21.47 °C	3,152.2 µS/cm	0.41 mg/L	1.56 NTU	8.8 mV	29.65 ft	1.67 PSU	115.00 ml/min
5/2/2025 12:06 PM	10:00	7.25 pH	21.19 °C	3,179.3 µS/cm	0.35 mg/L	1.57 NTU	12.1 mV	29.65 ft	1.68 PSU	115.00 ml/min
5/2/2025 12:11 PM	15:00	7.24 pH	20.92 °C	3,189.9 µS/cm	0.31 mg/L	1.41 NTU	10.6 mV	29.65 ft	1.69 PSU	115.00 ml/min
5/2/2025 12:16 PM	20:00	7.23 pH	20.95 °C	3,184.3 µS/cm	0.29 mg/L	1.35 NTU	9.3 mV	29.65 ft	1.68 PSU	115.00 ml/min
5/2/2025 12:21 PM	25:00	7.21 pH	21.47 °C	3,175.9 µS/cm	0.28 mg/L	1.14 NTU	7.5 mV	29.65 ft	1.68 PSU	115.00 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 5/1/2025 2:11:58 PM
Project: Plant Bowen AP CA Week 1 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: 26.26 ft**	**Pump Type: Geotech Peristaltic** **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: 0.46 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	
5/1/2025 2:11 PM	00:00	7.23 pH	23.09 °C	3,600.2 µS/cm	0.61 mg/L	6.22 NTU	125.2 mV	26.62 ft	1.92 PSU	125.00 ml/min
5/1/2025 2:16 PM	05:00	7.23 pH	22.29 °C	3,662.4 µS/cm	0.49 mg/L	4.88 NTU	102.2 mV	26.65 ft	1.95 PSU	125.00 ml/min
5/1/2025 2:21 PM	10:00	7.24 pH	21.98 °C	3,667.9 µS/cm	0.36 mg/L	3.86 NTU	90.4 mV	26.68 ft	1.96 PSU	125.00 ml/min
5/1/2025 2:26 PM	15:00	7.28 pH	21.77 °C	3,762.4 µS/cm	0.29 mg/L	3.19 NTU	82.3 mV	26.70 ft	2.01 PSU	125.00 ml/min
5/1/2025 2:31 PM	20:00	7.31 pH	21.51 °C	3,815.5 µS/cm	0.26 mg/L	2.80 NTU	75.8 mV	26.71 ft	2.04 PSU	125.00 ml/min
5/1/2025 2:36 PM	25:00	7.33 pH	21.03 °C	3,867.2 µS/cm	0.25 mg/L	2.62 NTU	70.4 mV	26.72 ft	2.07 PSU	125.00 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: 5/1/2025 2:28:55 PM
Project: Plant Bowen AP CA 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: 25.17 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 9950 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 1.39 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	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	+/- 10	
5/1/2025 2:28 PM	00:00	6.96 pH	22.00 °C	1,795.8 µS/cm	0.23 mg/L	20.30 NTU	36.5 mV	26.70 ft	0.92 PSU	120.00 ml/min
5/1/2025 2:33 PM	05:00	6.98 pH	21.92 °C	1,797.5 µS/cm	0.22 mg/L	18.00 NTU	110.5 mV	26.70 ft	0.92 PSU	110.00 ml/min
5/1/2025 2:38 PM	10:00	6.98 pH	21.52 °C	1,791.5 µS/cm	0.21 mg/L	15.30 NTU	129.1 mV	26.70 ft	0.92 PSU	110.00 ml/min
5/1/2025 2:43 PM	15:00	6.98 pH	21.34 °C	1,775.4 µS/cm	0.21 mg/L	14.00 NTU	137.3 mV	26.70 ft	0.91 PSU	110.00 ml/min
5/1/2025 2:48 PM	20:00	6.96 pH	21.57 °C	1,774.9 µS/cm	0.21 mg/L	12.80 NTU	128.7 mV	26.70 ft	0.91 PSU	110.00 ml/min
5/1/2025 2:53 PM	25:00	6.98 pH	21.62 °C	1,762.8 µS/cm	0.21 mg/L	13.00 NTU	123.0 mV	26.71 ft	0.90 PSU	110.00 ml/min
5/1/2025 2:58 PM	30:00	6.98 pH	21.54 °C	1,766.8 µS/cm	0.21 mg/L	14.20 NTU	118.5 mV	26.71 ft	0.91 PSU	110.00 ml/min
5/1/2025 3:03 PM	35:00	6.97 pH	21.35 °C	1,766.3 µS/cm	0.21 mg/L	13.00 NTU	121.0 mV	26.71 ft	0.90 PSU	110.00 ml/min
5/1/2025 3:08 PM	40:00	6.97 pH	21.87 °C	1,772.5 µS/cm	0.20 mg/L	12.90 NTU	115.8 mV	26.69 ft	0.91 PSU	110.00 ml/min
5/1/2025 3:13 PM	45:00	6.97 pH	23.03 °C	1,764.9 µS/cm	0.20 mg/L	11.20 NTU	109.3 mV	26.67 ft	0.90 PSU	110.00 ml/min
5/1/2025 3:18 PM	50:00	6.97 pH	23.24 °C	1,764.4 µS/cm	0.19 mg/L	10.68 NTU	120.1 mV	26.65 ft	0.90 PSU	110.00 ml/min
5/1/2025 3:23 PM	55:00	6.96 pH	23.64 °C	1,760.8 µS/cm	0.19 mg/L	10.71 NTU	132.4 mV	26.63 ft	0.90 PSU	110.00 ml/min
5/1/2025 3:28 PM	01:00:00	6.96 pH	23.17 °C	1,767.7 µS/cm	0.19 mg/L	10.76 NTU	158.1 mV	26.61 ft	0.91 PSU	110.00 ml/min
5/1/2025 3:33 PM	01:05:00	6.95 pH	23.02 °C	1,750.9 µS/cm	0.18 mg/L	7.26 NTU	169.8 mV	26.57 ft	0.90 PSU	110.00 ml/min
5/1/2025 3:38 PM	01:10:00	6.95 pH	22.90 °C	1,760.8 µS/cm	0.18 mg/L	7.11 NTU	163.1 mV	26.56 ft	0.90 PSU	110.00 ml/min

5/1/2025 3:43 PM	01:15:00	6.94 pH	22.89 °C	1,779.1 µS/cm	0.17 mg/L	5.49 NTU	170.9 mV	26.57 ft	0.91 PSU	110.00 ml/min
5/1/2025 3:48 PM	01:20:00	6.93 pH	22.32 °C	1,774.1 µS/cm	0.16 mg/L	4.68 NTU	194.3 mV	26.57 ft	0.91 PSU	110.00 ml/min
5/1/2025 3:53 PM	01:25:00	6.94 pH	22.07 °C	1,768.0 µS/cm	0.16 mg/L	4.74 NTU	202.7 mV	26.56 ft	0.91 PSU	110.00 ml/min
5/1/2025 3:58 PM	01:30:00	6.94 pH	21.76 °C	1,782.7 µS/cm	0.16 mg/L	4.58 NTU	197.7 mV	26.56 ft	0.91 PSU	110.00 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: 5/2/2025 11:51:41 AM
Project: Plant Bowen AP CA Week 1 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: 25.95 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 13750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 3.93 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

Test Notes:
Pre-purged 12.5 L. Highly turbid water during pre-purge.

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	
5/2/2025 11:51 AM	00:00	7.08 pH	26.31 °C	2,269.8 µS/cm	1.12 mg/L	10.27 NTU	83.9 mV	28.92 ft	1.18 PSU	110.00 ml/min
5/2/2025 11:56 AM	05:00	7.07 pH	22.59 °C	2,444.9 µS/cm	0.29 mg/L	9.69 NTU	331.6 mV	28.86 ft	1.27 PSU	110.00 ml/min
5/2/2025 12:01 PM	10:00	7.07 pH	20.89 °C	2,484.2 µS/cm	0.26 mg/L	7.91 NTU	414.5 mV	28.77 ft	1.30 PSU	110.00 ml/min
5/2/2025 12:06 PM	15:00	7.07 pH	20.16 °C	2,500.9 µS/cm	0.24 mg/L	7.46 NTU	427.1 mV	28.79 ft	1.30 PSU	110.00 ml/min
5/2/2025 12:11 PM	20:00	7.06 pH	19.64 °C	2,517.7 µS/cm	0.22 mg/L	7.53 NTU	420.1 mV	28.90 ft	1.31 PSU	110.00 ml/min
5/2/2025 12:16 PM	25:00	7.07 pH	19.62 °C	2,523.1 µS/cm	0.21 mg/L	7.28 NTU	410.8 mV	29.04 ft	1.32 PSU	100.00 ml/min
5/2/2025 12:21 PM	30:00	7.06 pH	20.60 °C	2,521.6 µS/cm	0.19 mg/L	7.05 NTU	398.9 mV	29.08 ft	1.32 PSU	100.00 ml/min
5/2/2025 12:26 PM	35:00	7.07 pH	20.54 °C	2,487.2 µS/cm	0.18 mg/L	6.88 NTU	398.5 mV	29.14 ft	1.30 PSU	100.00 ml/min
5/2/2025 12:31 PM	40:00	7.08 pH	20.40 °C	2,395.0 µS/cm	0.16 mg/L	9.08 NTU	388.6 mV	29.20 ft	1.25 PSU	100.00 ml/min
5/2/2025 12:36 PM	45:00	7.07 pH	20.18 °C	2,396.4 µS/cm	0.15 mg/L	8.70 NTU	384.8 mV	29.24 ft	1.25 PSU	100.00 ml/min
5/2/2025 12:41 PM	50:00	7.07 pH	19.85 °C	2,415.3 µS/cm	0.15 mg/L	7.94 NTU	376.7 mV	29.29 ft	1.26 PSU	100.00 ml/min
5/2/2025 12:46 PM	55:00	7.07 pH	19.95 °C	2,417.9 µS/cm	0.14 mg/L	7.83 NTU	378.5 mV	29.35 ft	1.26 PSU	100.00 ml/min
5/2/2025 12:51 PM	01:00:00	7.07 pH	20.30 °C	2,406.6 µS/cm	0.13 mg/L	7.14 NTU	360.9 mV	29.42 ft	1.25 PSU	100.00 ml/min
5/2/2025 12:56 PM	01:05:00	7.07 pH	20.38 °C	2,416.6 µS/cm	0.12 mg/L	6.93 NTU	354.7 mV	29.51 ft	1.26 PSU	100.00 ml/min
5/2/2025 1:01 PM	01:10:00	7.07 pH	20.62 °C	2,411.6 µS/cm	0.12 mg/L	6.80 NTU	373.4 mV	29.55 ft	1.26 PSU	100.00 ml/min

5/2/2025 1:06 PM	01:15:00	7.07 pH	20.83 °C	2,399.7 µS/cm	0.11 mg/L	6.74 NTU	375.4 mV	29.59 ft	1.25 PSU	100.00 ml/min
5/2/2025 1:11 PM	01:20:00	7.07 pH	20.70 °C	2,406.0 µS/cm	0.11 mg/L	6.67 NTU	391.0 mV	29.63 ft	1.25 PSU	100.00 ml/min
5/2/2025 1:16 PM	01:25:00	7.07 pH	20.98 °C	2,403.5 µS/cm	0.11 mg/L	6.93 NTU	399.7 mV	29.66 ft	1.25 PSU	100.00 ml/min
5/2/2025 1:21 PM	01:30:00	7.07 pH	20.42 °C	2,402.8 µS/cm	0.11 mg/L	6.99 NTU	408.7 mV	29.67 ft	1.25 PSU	100.00 ml/min
5/2/2025 1:26 PM	01:35:00	7.07 pH	20.12 °C	2,410.0 µS/cm	0.11 mg/L	7.18 NTU	417.6 mV	29.73 ft	1.25 PSU	100.00 ml/min
5/2/2025 1:31 PM	01:40:00	7.07 pH	19.87 °C	2,416.3 µS/cm	0.12 mg/L	7.27 NTU	411.8 mV	29.76 ft	1.26 PSU	100.00 ml/min
5/2/2025 1:36 PM	01:45:00	7.07 pH	19.73 °C	2,425.8 µS/cm	0.12 mg/L	7.38 NTU	400.6 mV	29.80 ft	1.26 PSU	100.00 ml/min
5/2/2025 1:41 PM	01:50:00	7.07 pH	19.69 °C	2,444.3 µS/cm	0.12 mg/L	6.58 NTU	389.0 mV	29.83 ft	1.27 PSU	100.00 ml/min
5/2/2025 1:46 PM	01:55:00	7.07 pH	19.72 °C	2,438.2 µS/cm	0.11 mg/L	6.14 NTU	382.9 mV	29.85 ft	1.27 PSU	100.00 ml/min
5/2/2025 1:51 PM	02:00:00	7.06 pH	19.73 °C	2,456.6 µS/cm	0.12 mg/L	5.39 NTU	378.2 mV	29.86 ft	1.28 PSU	100.00 ml/min
5/2/2025 1:56 PM	02:05:00	7.06 pH	19.95 °C	2,478.3 µS/cm	0.11 mg/L	5.88 NTU	382.3 mV	29.87 ft	1.29 PSU	100.00 ml/min
5/2/2025 2:01 PM	02:10:00	7.06 pH	20.26 °C	2,493.3 µS/cm	0.11 mg/L	5.70 NTU	387.9 mV	29.87 ft	1.30 PSU	100.00 ml/min
5/2/2025 2:06 PM	02:15:00	7.06 pH	20.30 °C	2,486.5 µS/cm	0.11 mg/L	4.90 NTU	380.7 mV	29.88 ft	1.30 PSU	100.00 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/2/2025 9:52:27 AM
Project: Plant Bowen AP CA Week 1 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: 26.44 ft**	**Pump Type: Geotech Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.06 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	
5/2/2025 9:52 AM	00:00	7.22 pH	21.01 °C	3,752.8 µS/cm	0.82 mg/L	0.20 NTU	136.5 mV	26.45 ft	2.00 PSU	100.00 ml/min
5/2/2025 9:57 AM	05:00	7.22 pH	20.43 °C	3,914.0 µS/cm	0.55 mg/L	0.12 NTU	181.3 mV	26.48 ft	2.09 PSU	100.00 ml/min
5/2/2025 10:02 AM	10:00	7.26 pH	20.39 °C	3,777.4 µS/cm	0.43 mg/L	0.37 NTU	123.1 mV	26.49 ft	2.02 PSU	100.00 ml/min
5/2/2025 10:07 AM	15:00	7.26 pH	20.47 °C	3,838.6 µS/cm	0.36 mg/L	0.30 NTU	104.4 mV	26.49 ft	2.05 PSU	100.00 ml/min
5/2/2025 10:12 AM	20:00	7.27 pH	20.47 °C	3,816.9 µS/cm	0.33 mg/L	0.19 NTU	86.6 mV	26.50 ft	2.04 PSU	100.00 ml/min
5/2/2025 10:17 AM	25:00	7.26 pH	20.43 °C	3,816.6 µS/cm	0.30 mg/L	0.12 NTU	76.4 mV	26.50 ft	2.04 PSU	100.00 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: 5/15/2025 1:50:12 PM
Project: Plant Bowen AP CA Week 3 Performance Monitoring
Operator Name: Natalie Piparo

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: 28.5 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.65 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 0.09 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	
5/15/2025 1:50 PM	00:00	7.03 pH	23.87 °C	2,063.2 µS/cm	0.90 mg/L	2.66 NTU	32.4 mV	28.57 ft	1.07 PSU	125.00 ml/min
5/15/2025 1:55 PM	05:00	7.00 pH	21.36 °C	2,115.1 µS/cm	0.65 mg/L	2.14 NTU	31.7 mV	28.58 ft	1.09 PSU	125.00 ml/min
5/15/2025 2:00 PM	10:00	6.99 pH	20.92 °C	2,090.1 µS/cm	0.64 mg/L	2.25 NTU	28.3 mV	28.59 ft	1.08 PSU	125.00 ml/min
5/15/2025 2:05 PM	15:00	6.99 pH	20.77 °C	2,043.4 µS/cm	0.64 mg/L	1.73 NTU	28.3 mV	28.59 ft	1.05 PSU	125.00 ml/min
5/15/2025 2:10 PM	20:00	6.98 pH	20.68 °C	1,992.7 µS/cm	0.69 mg/L	1.81 NTU	28.7 mV	28.59 ft	1.03 PSU	125.00 ml/min
5/15/2025 2:15 PM	25:00	6.99 pH	20.65 °C	1,960.6 µS/cm	0.73 mg/L	1.68 NTU	29.0 mV	28.59 ft	1.01 PSU	125.00 ml/min
5/15/2025 2:20 PM	30:00	6.98 pH	20.64 °C	1,916.5 µS/cm	0.77 mg/L	1.45 NTU	29.5 mV	28.59 ft	0.99 PSU	125.00 ml/min
5/15/2025 2:25 PM	35:00	6.97 pH	20.91 °C	1,879.4 µS/cm	0.79 mg/L	1.34 NTU	29.9 mV	28.59 ft	0.97 PSU	125.00 ml/min
5/15/2025 2:30 PM	40:00	6.98 pH	20.78 °C	1,862.3 µS/cm	0.81 mg/L	1.22 NTU	29.7 mV	28.59 ft	0.96 PSU	125.00 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS
FD-01	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/16/2025 10:30:15 AM
Project: Plant Bowen AP CA Week 3 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: 25.57 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.88 ft** **Estimated Total Volume Pumped: 8225 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.32 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	
5/16/2025 10:30 AM	00:00	7.04 pH	22.31 °C	2,770.9 µS/cm	0.46 mg/L	13.40 NTU	121.0 mV	25.86 ft	1.45 PSU	125.00 ml/min
5/16/2025 10:35 AM	05:00	7.04 pH	20.14 °C	2,859.9 µS/cm	0.38 mg/L	12.09 NTU	34.3 mV	25.86 ft	1.50 PSU	125.00 ml/min
5/16/2025 10:40 AM	10:00	7.04 pH	20.05 °C	2,861.9 µS/cm	0.36 mg/L	11.41 NTU	21.4 mV	25.86 ft	1.50 PSU	125.00 ml/min
5/16/2025 10:45 AM	15:00	7.04 pH	19.94 °C	2,862.8 µS/cm	0.34 mg/L	10.70 NTU	12.7 mV	25.87 ft	1.50 PSU	125.00 ml/min
5/16/2025 10:50 AM	20:00	7.04 pH	20.12 °C	2,854.7 µS/cm	0.33 mg/L	9.60 NTU	7.5 mV	25.87 ft	1.50 PSU	125.00 ml/min
5/16/2025 10:55 AM	25:00	7.04 pH	20.04 °C	2,842.3 µS/cm	0.31 mg/L	8.83 NTU	3.5 mV	25.87 ft	1.49 PSU	125.00 ml/min
5/16/2025 11:00 AM	30:00	7.04 pH	20.45 °C	2,834.0 µS/cm	0.30 mg/L	7.77 NTU	-0.0 mV	25.87 ft	1.49 PSU	125.00 ml/min
5/16/2025 11:05 AM	35:00	7.04 pH	20.28 °C	2,838.8 µS/cm	0.29 mg/L	6.79 NTU	-0.6 mV	25.87 ft	1.49 PSU	110.00 ml/min
5/16/2025 11:10 AM	40:00	7.05 pH	20.24 °C	2,818.6 µS/cm	0.29 mg/L	6.54 NTU	-1.8 mV	25.88 ft	1.48 PSU	110.00 ml/min
5/16/2025 11:15 AM	45:00	7.05 pH	19.95 °C	2,818.4 µS/cm	0.26 mg/L	6.24 NTU	-2.6 mV	25.88 ft	1.48 PSU	110.00 ml/min
5/16/2025 11:20 AM	50:00	7.05 pH	19.86 °C	2,815.7 µS/cm	0.26 mg/L	5.99 NTU	-3.5 mV	25.88 ft	1.48 PSU	110.00 ml/min
5/16/2025 11:25 AM	55:00	7.05 pH	19.83 °C	2,806.1 µS/cm	0.25 mg/L	5.47 NTU	-3.8 mV	25.88 ft	1.47 PSU	110.00 ml/min
5/16/2025 11:30 AM	01:00:00	7.05 pH	19.84 °C	2,801.3 µS/cm	0.24 mg/L	4.98 NTU	-4.1 mV	25.89 ft	1.47 PSU	110.00 ml/min
5/16/2025 11:35 AM	01:05:00	7.05 pH	20.01 °C	2,791.9 µS/cm	0.24 mg/L	3.60 NTU	-4.9 mV	25.89 ft	1.46 PSU	110.00 ml/min
5/16/2025 11:40 AM	01:10:00	7.05 pH	20.42 °C	2,783.0 µS/cm	0.24 mg/L	3.93 NTU	-5.4 mV	25.89 ft	1.46 PSU	110.00 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/15/2025 11:53:08 AM
Project: Plant Bowen AP CA Week 3 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: 25.11 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 5950 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.59 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	
5/15/2025 11:53 AM	00:00	6.92 pH	20.52 °C	1,626.9 µS/cm	0.89 mg/L	10.16 NTU	-19.3 mV	25.53 ft	0.83 PSU	105.00 ml/min
5/15/2025 11:58 AM	05:00	6.92 pH	20.61 °C	1,637.1 µS/cm	0.71 mg/L	9.74 NTU	-16.6 mV	25.54 ft	0.84 PSU	105.00 ml/min
5/15/2025 12:03 PM	10:00	6.93 pH	20.46 °C	1,646.6 µS/cm	0.58 mg/L	7.11 NTU	-17.6 mV	25.53 ft	0.84 PSU	105.00 ml/min
5/15/2025 12:08 PM	15:00	6.92 pH	20.77 °C	1,645.9 µS/cm	0.54 mg/L	6.18 NTU	-20.3 mV	25.52 ft	0.84 PSU	105.00 ml/min
5/15/2025 12:13 PM	20:00	6.93 pH	21.14 °C	1,630.1 µS/cm	0.51 mg/L	5.91 NTU	-21.8 mV	25.48 ft	0.83 PSU	105.00 ml/min
5/15/2025 12:18 PM	25:00	6.93 pH	21.55 °C	1,614.6 µS/cm	0.50 mg/L	5.08 NTU	-23.0 mV	25.47 ft	0.82 PSU	105.00 ml/min
5/15/2025 12:23 PM	30:00	6.93 pH	21.72 °C	1,602.0 µS/cm	0.49 mg/L	4.24 NTU	-23.6 mV	25.54 ft	0.82 PSU	140.00 ml/min
5/15/2025 12:28 PM	35:00	6.93 pH	21.28 °C	1,592.5 µS/cm	0.53 mg/L	4.29 NTU	-22.9 mV	25.58 ft	0.81 PSU	140.00 ml/min
5/15/2025 12:33 PM	40:00	6.93 pH	21.31 °C	1,583.8 µS/cm	0.42 mg/L	4.16 NTU	-23.5 mV	25.63 ft	0.81 PSU	140.00 ml/min
5/15/2025 12:38 PM	45:00	6.94 pH	20.80 °C	1,580.9 µS/cm	0.38 mg/L	3.68 NTU	-23.3 mV	25.68 ft	0.81 PSU	140.00 ml/min
5/15/2025 12:43 PM	50:00	6.94 pH	20.66 °C	1,587.5 µS/cm	0.38 mg/L	3.22 NTU	-23.5 mV	25.70 ft	0.81 PSU	140.00 ml/min

Samples

Sample ID:	Description:
PT-05	Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/15/2025 1:30:25 PM
Project: Plant Bowen AP CA Week 3 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-06 **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: 24.92 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 39.92 ft** **Estimated Total Volume Pumped: 9750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 5.78 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1202740**

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	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 100	
5/15/2025 1:30 PM	00:00	7.08 pH	19.70 °C	1,446.2 µS/cm	0.25 mg/L	13.18 NTU	58.4 mV	30.20 ft	0.73 PSU	130.00 ml/min
5/15/2025 1:35 PM	05:00	7.08 pH	19.91 °C	1,505.7 µS/cm	0.24 mg/L	10.27 NTU	167.3 mV	30.25 ft	0.77 PSU	130.00 ml/min
5/15/2025 1:40 PM	10:00	7.07 pH	19.91 °C	1,561.5 µS/cm	0.24 mg/L	9.74 NTU	239.1 mV	30.33 ft	0.79 PSU	130.00 ml/min
5/15/2025 1:45 PM	15:00	7.07 pH	20.00 °C	1,595.5 µS/cm	0.24 mg/L	9.30 NTU	274.2 mV	30.40 ft	0.81 PSU	130.00 ml/min
5/15/2025 1:50 PM	20:00	7.07 pH	19.91 °C	1,642.7 µS/cm	0.23 mg/L	9.08 NTU	300.1 mV	30.46 ft	0.84 PSU	130.00 ml/min
5/15/2025 1:55 PM	25:00	7.06 pH	19.92 °C	1,688.0 µS/cm	0.23 mg/L	8.98 NTU	373.3 mV	30.50 ft	0.86 PSU	130.00 ml/min
5/15/2025 2:00 PM	30:00	7.06 pH	19.86 °C	1,714.9 µS/cm	0.24 mg/L	7.99 NTU	349.0 mV	30.54 ft	0.88 PSU	130.00 ml/min
5/15/2025 2:05 PM	35:00	7.06 pH	19.86 °C	1,758.7 µS/cm	0.23 mg/L	6.44 NTU	381.8 mV	30.57 ft	0.90 PSU	130.00 ml/min
5/15/2025 2:10 PM	40:00	7.05 pH	19.82 °C	1,797.9 µS/cm	0.24 mg/L	6.01 NTU	406.1 mV	30.60 ft	0.92 PSU	130.00 ml/min
5/15/2025 2:15 PM	45:00	7.05 pH	19.95 °C	1,824.9 µS/cm	0.23 mg/L	5.94 NTU	427.4 mV	30.62 ft	0.94 PSU	130.00 ml/min
5/15/2025 2:20 PM	50:00	7.05 pH	20.06 °C	1,853.1 µS/cm	0.23 mg/L	5.44 NTU	434.8 mV	30.65 ft	0.95 PSU	130.00 ml/min
5/15/2025 2:25 PM	55:00	7.05 pH	20.23 °C	1,883.3 µS/cm	0.23 mg/L	4.76 NTU	441.4 mV	30.69 ft	0.97 PSU	130.00 ml/min
5/15/2025 2:30 PM	01:00:00	7.04 pH	20.09 °C	1,911.2 µS/cm	0.22 mg/L	5.09 NTU	466.1 mV	30.71 ft	0.98 PSU	130.00 ml/min
5/15/2025 2:35 PM	01:05:00	7.04 pH	20.40 °C	1,936.1 µS/cm	0.23 mg/L	4.58 NTU	479.4 mV	30.72 ft	1.00 PSU	130.00 ml/min
5/15/2025 2:40 PM	01:10:00	7.04 pH	20.45 °C	1,985.5 µS/cm	0.22 mg/L	3.84 NTU	493.2 mV	30.69 ft	1.02 PSU	130.00 ml/min

5/15/2025 2:45 PM	01:15:00	7.04 pH	20.27 °C	2,025.2 µS/cm	0.23 mg/L	3.30 NTU	499.7 mV	30.70 ft	1.04 PSU	130.00 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: 5/16/2025 10:23:53 AM
Project: Plant Bowen AP CA Week 3 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: 25.74 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.06 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	
5/16/2025 10:23 AM	00:00	6.99 pH	19.91 °C	2,675.9 µS/cm	0.45 mg/L	0.53 NTU	156.6 mV	25.78 ft	1.40 PSU	140.00 ml/min
5/16/2025 10:28 AM	05:00	7.05 pH	19.95 °C	2,714.9 µS/cm	0.42 mg/L	0.70 NTU	416.5 mV	25.78 ft	1.42 PSU	140.00 ml/min
5/16/2025 10:33 AM	10:00	7.05 pH	19.85 °C	2,715.7 µS/cm	0.38 mg/L	0.34 NTU	460.9 mV	25.79 ft	1.42 PSU	140.00 ml/min
5/16/2025 10:38 AM	15:00	7.05 pH	19.87 °C	2,708.7 µS/cm	0.34 mg/L	0.27 NTU	473.5 mV	25.79 ft	1.42 PSU	140.00 ml/min
5/16/2025 10:43 AM	20:00	7.05 pH	19.87 °C	2,703.3 µS/cm	0.30 mg/L	0.21 NTU	460.2 mV	25.80 ft	1.42 PSU	140.00 ml/min
5/16/2025 10:48 AM	25:00	7.05 pH	19.95 °C	2,700.0 µS/cm	0.27 mg/L	0.08 NTU	446.7 mV	25.80 ft	1.41 PSU	140.00 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 6/3/2025 12:44:36 PM
Project: Plant Bowen AP CA Week 6 Performance Monitoring
Operator Name: Jay Siewert

Location Name: PT-02 **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: 28.96 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 4200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.13 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	
6/3/2025 12:44 PM	00:00	6.81 pH	20.71 °C	1,975.0 µS/cm	0.66 mg/L	1.32 NTU	266.1 mV	29.07 ft	1.02 PSU	140.00 ml/min
6/3/2025 12:49 PM	05:00	6.88 pH	20.75 °C	1,919.5 µS/cm	0.63 mg/L	0.97 NTU	465.7 mV	29.07 ft	0.99 PSU	140.00 ml/min
6/3/2025 12:54 PM	10:00	6.87 pH	20.68 °C	1,872.8 µS/cm	0.55 mg/L	1.19 NTU	508.0 mV	29.08 ft	0.96 PSU	140.00 ml/min
6/3/2025 12:59 PM	15:00	6.87 pH	20.75 °C	1,823.1 µS/cm	0.49 mg/L	0.93 NTU	524.4 mV	29.08 ft	0.94 PSU	140.00 ml/min
6/3/2025 1:04 PM	20:00	6.86 pH	20.94 °C	1,793.9 µS/cm	0.48 mg/L	0.83 NTU	536.4 mV	29.08 ft	0.92 PSU	140.00 ml/min
6/3/2025 1:09 PM	25:00	6.86 pH	20.73 °C	1,786.1 µS/cm	0.49 mg/L	0.76 NTU	542.0 mV	29.08 ft	0.92 PSU	140.00 ml/min
6/3/2025 1:14 PM	30:00	6.86 pH	20.80 °C	1,755.4 µS/cm	0.47 mg/L	0.73 NTU	527.5 mV	29.09 ft	0.90 PSU	140.00 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/4/2025 9:44:17 AM
Project: Plant Bowen AP CA Week 6 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: 25.97 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: 0.31 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	
6/4/2025 9:44 AM	00:00	6.87 pH	19.78 °C	2,562.8 µS/cm	0.45 mg/L	2.02 NTU	63.9 mV	26.24 ft	1.34 PSU	125.00 ml/min
6/4/2025 9:49 AM	05:00	6.86 pH	19.85 °C	2,543.1 µS/cm	0.35 mg/L	1.95 NTU	59.6 mV	26.26 ft	1.33 PSU	125.00 ml/min
6/4/2025 9:54 AM	10:00	6.87 pH	19.72 °C	2,546.3 µS/cm	0.32 mg/L	1.65 NTU	53.6 mV	26.28 ft	1.33 PSU	125.00 ml/min
6/4/2025 9:59 AM	15:00	6.87 pH	19.76 °C	2,564.0 µS/cm	0.28 mg/L	1.22 NTU	50.7 mV	26.28 ft	1.34 PSU	125.00 ml/min
6/4/2025 10:04 AM	20:00	6.87 pH	19.90 °C	2,554.6 µS/cm	0.26 mg/L	1.11 NTU	44.2 mV	26.28 ft	1.33 PSU	125.00 ml/min
6/4/2025 10:09 AM	25:00	6.87 pH	19.90 °C	2,550.3 µS/cm	0.24 mg/L	1.08 NTU	28.9 mV	26.28 ft	1.33 PSU	125.00 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 6/3/2025 10:35:39 AM
Project: Plant Bowen AP CA Week 6 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: 25.5 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 2750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.69 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	
6/3/2025 10:35 AM	00:00	6.62 pH	19.46 °C	1,594.9 µS/cm	0.45 mg/L	7.97 NTU	282.4 mV	26.12 ft	0.81 PSU	110.00 ml/min
6/3/2025 10:40 AM	05:00	6.88 pH	19.38 °C	1,598.5 µS/cm	0.41 mg/L	6.08 NTU	484.9 mV	26.14 ft	0.81 PSU	110.00 ml/min
6/3/2025 10:45 AM	10:00	6.89 pH	19.48 °C	1,586.7 µS/cm	0.35 mg/L	5.48 NTU	422.9 mV	26.15 ft	0.81 PSU	110.00 ml/min
6/3/2025 10:50 AM	15:00	6.90 pH	19.46 °C	1,592.3 µS/cm	0.31 mg/L	3.88 NTU	404.0 mV	26.17 ft	0.81 PSU	110.00 ml/min
6/3/2025 10:55 AM	20:00	6.90 pH	19.57 °C	1,594.3 µS/cm	0.26 mg/L	2.93 NTU	383.2 mV	26.18 ft	0.81 PSU	110.00 ml/min
6/3/2025 11:00 AM	25:00	6.90 pH	19.64 °C	1,603.2 µS/cm	0.25 mg/L	2.74 NTU	383.2 mV	26.19 ft	0.82 PSU	110.00 ml/min

Samples

Sample ID:	Description:
PT-05	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: 6/3/2025 10:44:08 AM
Project: Plant Bowen AP CA Week 6 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: 25.35 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 8450 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 5.61 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	
6/3/2025 10:44 AM	00:00	7.11 pH	28.11 °C	1,604.3 µS/cm	1.06 mg/L	3.88 NTU	-50.5 mV	28.34 ft	0.82 PSU	130.00 ml/min
6/3/2025 10:49 AM	05:00	7.12 pH	20.74 °C	1,825.0 µS/cm	0.55 mg/L	3.31 NTU	-137.2 mV	28.61 ft	0.94 PSU	130.00 ml/min
6/3/2025 10:54 AM	10:00	7.11 pH	20.24 °C	1,928.8 µS/cm	0.49 mg/L	2.97 NTU	-79.1 mV	28.88 ft	0.99 PSU	130.00 ml/min
6/3/2025 10:59 AM	15:00	7.10 pH	20.24 °C	2,007.5 µS/cm	0.44 mg/L	2.25 NTU	-78.6 mV	29.14 ft	1.03 PSU	130.00 ml/min
6/3/2025 11:04 AM	20:00	7.09 pH	20.41 °C	2,077.1 µS/cm	0.44 mg/L	2.06 NTU	-77.4 mV	29.34 ft	1.07 PSU	130.00 ml/min
6/3/2025 11:09 AM	25:00	7.08 pH	20.16 °C	2,154.8 µS/cm	0.49 mg/L	1.71 NTU	-73.9 mV	29.57 ft	1.11 PSU	130.00 ml/min
6/3/2025 11:14 AM	30:00	7.08 pH	20.06 °C	2,147.4 µS/cm	0.45 mg/L	1.85 NTU	-72.0 mV	29.79 ft	1.11 PSU	130.00 ml/min
6/3/2025 11:19 AM	35:00	7.07 pH	20.12 °C	2,197.1 µS/cm	0.36 mg/L	1.77 NTU	-71.2 mV	30.08 ft	1.14 PSU	130.00 ml/min
6/3/2025 11:24 AM	40:00	7.06 pH	20.21 °C	2,236.1 µS/cm	0.30 mg/L	1.11 NTU	-70.5 mV	30.28 ft	1.16 PSU	130.00 ml/min
6/3/2025 11:29 AM	45:00	7.06 pH	20.26 °C	2,264.9 µS/cm	0.30 mg/L	1.14 NTU	-67.7 mV	30.43 ft	1.17 PSU	130.00 ml/min
6/3/2025 11:34 AM	50:00	7.05 pH	20.29 °C	2,281.0 µS/cm	0.29 mg/L	1.07 NTU	-64.9 mV	30.60 ft	1.18 PSU	130.00 ml/min
6/3/2025 11:39 AM	55:00	7.04 pH	20.14 °C	2,303.8 µS/cm	0.27 mg/L	1.55 NTU	-61.7 mV	30.73 ft	1.20 PSU	130.00 ml/min
6/3/2025 11:44 AM	01:00:00	7.04 pH	20.29 °C	2,307.8 µS/cm	0.26 mg/L	1.60 NTU	-57.3 mV	30.84 ft	1.20 PSU	130.00 ml/min
6/3/2025 11:49 AM	01:05:00	7.03 pH	20.16 °C	2,314.6 µS/cm	0.26 mg/L	1.58 NTU	-52.1 mV	30.96 ft	1.20 PSU	130.00 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/3/2025 12:56:11 PM
Project: Plant Bowen AP CA Week 6 Performance Monitoring
Operator Name: Natalie Piparo

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: 25.91 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.08 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	
6/3/2025 12:56 PM	00:00	6.98 pH	21.19 °C	2,592.1 µS/cm	0.77 mg/L	0.22 NTU	30.2 mV	25.98 ft	1.35 PSU	120.00 ml/min
6/3/2025 1:01 PM	05:00	6.98 pH	20.92 °C	2,608.8 µS/cm	0.71 mg/L	0.10 NTU	46.4 mV	25.98 ft	1.36 PSU	120.00 ml/min
6/3/2025 1:06 PM	10:00	6.98 pH	21.07 °C	2,616.4 µS/cm	0.61 mg/L	0.18 NTU	44.3 mV	25.98 ft	1.37 PSU	120.00 ml/min
6/3/2025 1:11 PM	15:00	6.98 pH	20.93 °C	2,609.5 µS/cm	0.55 mg/L	0.21 NTU	45.5 mV	25.99 ft	1.36 PSU	120.00 ml/min
6/3/2025 1:16 PM	20:00	6.97 pH	20.97 °C	2,605.2 µS/cm	0.49 mg/L	0.20 NTU	45.9 mV	25.99 ft	1.36 PSU	120.00 ml/min
6/3/2025 1:21 PM	25:00	6.97 pH	20.89 °C	2,613.8 µS/cm	0.42 mg/L	0.19 NTU	46.5 mV	25.99 ft	1.37 PSU	120.00 ml/min
6/3/2025 1:26 PM	30:00	6.97 pH	20.71 °C	2,603.4 µS/cm	0.39 mg/L	0.15 NTU	47.0 mV	25.99 ft	1.36 PSU	120.00 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/18/2025 10:32:18 AM
Project: Plant Bowen AP CA Month 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: 33.67 ft** **Total Depth: 43.67 ft** **Initial Depth to Water: 30.08 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.67 ft** **Estimated Total Volume Pumped: 2400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.12 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	
6/18/2025 10:32 AM	00:00	6.874 pH	20.42 °C	1,684 µS/cm	0.673 mg/L	0.370 NTU	49.3 mV	30.18 ft	0.861 PSU	120.0 ml/min
6/18/2025 10:37 AM	05:00	6.873 pH	20.34 °C	1,679 µS/cm	0.502 mg/L	0.210 NTU	48.4 mV	30.19 ft	0.858 PSU	120.0 ml/min
6/18/2025 10:42 AM	10:00	6.875 pH	20.51 °C	1,679 µS/cm	0.453 mg/L	0.200 NTU	49.4 mV	30.19 ft	0.858 PSU	120.0 ml/min
6/18/2025 10:47 AM	15:00	6.874 pH	20.59 °C	1,677 µS/cm	0.399 mg/L	0.170 NTU	50.0 mV	30.19 ft	0.857 PSU	120.0 ml/min
6/18/2025 10:52 AM	20:00	6.876 pH	20.48 °C	1,673 µS/cm	0.365 mg/L	0.010 NTU	50.4 mV	30.20 ft	0.855 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-02	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 6/18/2025 12:11:26 PM
Project: Plant Bowen AP CA Month 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: 26.88 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: 0.35 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	
6/18/2025 12:11 PM	00:00	6.917 pH	20.81 °C	1,967 µS/cm	0.321 mg/L	0.280 NTU	68.6 mV	27.19 ft	1.013 PSU	120.0 ml/min
6/18/2025 12:16 PM	05:00	6.917 pH	21.17 °C	1,971 µS/cm	0.270 mg/L	0.290 NTU	73.7 mV	27.19 ft	1.015 PSU	120.0 ml/min
6/18/2025 12:21 PM	10:00	6.919 pH	20.93 °C	1,968 µS/cm	0.227 mg/L	0.390 NTU	64.1 mV	27.22 ft	1.014 PSU	120.0 ml/min
6/18/2025 12:26 PM	15:00	6.918 pH	20.86 °C	1,971 µS/cm	0.213 mg/L	0.460 NTU	56.1 mV	27.22 ft	1.015 PSU	120.0 ml/min
6/18/2025 12:31 PM	20:00	6.921 pH	20.60 °C	1,968 µS/cm	0.192 mg/L	0.140 NTU	47.0 mV	27.23 ft	1.014 PSU	120.0 ml/min
6/18/2025 12:36 PM	25:00	6.923 pH	20.29 °C	1,972 µS/cm	0.180 mg/L	0.190 NTU	41.4 mV	27.23 ft	1.016 PSU	120.0 ml/min

Samples

Sample ID:	Description:
PT-04	Metals, Inorganics, Alkalinity, TDS, Sulfide

Low-Flow Test Report:

Test Date / Time: 6/17/2025 1:21:41 PM
Project: Plant Bowen AP CA 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: 26.55 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 40.19 ft** **Estimated Total Volume Pumped: 2750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.51 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	
6/17/2025 1:21 PM	00:00	7.083 pH	20.35 °C	1,542 µS/cm	0.628 mg/L	2.100 NTU	286.7 mV	27.01 ft	0.785 PSU	110.0 ml/min
6/17/2025 1:26 PM	05:00	7.079 pH	20.54 °C	1,542 µS/cm	0.562 mg/L	1.750 NTU	582.9 mV	27.03 ft	0.785 PSU	110.0 ml/min
6/17/2025 1:31 PM	10:00	7.085 pH	20.75 °C	1,535 µS/cm	0.427 mg/L	1.460 NTU	600.6 mV	27.05 ft	0.781 PSU	110.0 ml/min
6/17/2025 1:36 PM	15:00	7.084 pH	21.07 °C	1,534 µS/cm	0.461 mg/L	1.500 NTU	616.0 mV	27.05 ft	0.780 PSU	110.0 ml/min
6/17/2025 1:41 PM	20:00	7.082 pH	21.05 °C	1,528 µS/cm	0.347 mg/L	1.370 NTU	620.2 mV	27.05 ft	0.777 PSU	110.0 ml/min
6/17/2025 1:46 PM	25:00	7.082 pH	20.71 °C	1,530 µS/cm	0.309 mg/L	1.230 NTU	627.2 mV	27.06 ft	0.778 PSU	110.0 ml/min

Samples

Sample ID:	Description:
PT-05	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: 6/17/2025 11:15:10 AM
Project: Plant Bowen AP CA 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: 26.38 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 38.86 ft** **Estimated Total Volume Pumped: 2920.75 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 105 ml/min** **Final Draw Down: 3.52 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	+/- 5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	+/- 10	
6/17/2025 11:15 AM	00:00	7.045 pH	20.31 °C	2,370 µS/cm	0.302 mg/L	2.490 NTU	318.5 mV	29.29 ft	1.232 PSU	105.0 ml/min
6/17/2025 11:17 AM	02:49	7.036 pH	20.64 °C	2,406 µS/cm	0.326 mg/L	2.080 NTU	478.2 mV	29.37 ft	1.252 PSU	105.0 ml/min
6/17/2025 11:22 AM	07:49	7.038 pH	20.87 °C	2,412 µS/cm	0.321 mg/L	1.690 NTU	541.7 mV	29.49 ft	1.256 PSU	105.0 ml/min
6/17/2025 11:27 AM	12:49	7.036 pH	20.69 °C	2,444 µS/cm	0.366 mg/L	2.080 NTU	583.4 mV	29.61 ft	1.273 PSU	105.0 ml/min
6/17/2025 11:32 AM	17:49	7.031 pH	20.56 °C	2,494 µS/cm	0.409 mg/L	1.680 NTU	626.4 mV	29.70 ft	1.301 PSU	105.0 ml/min
6/17/2025 11:37 AM	22:49	7.022 pH	20.87 °C	2,522 µS/cm	0.382 mg/L	1.890 NTU	644.3 mV	29.78 ft	1.316 PSU	105.0 ml/min
6/17/2025 11:42 AM	27:49	7.021 pH	20.92 °C	2,536 µS/cm	0.398 mg/L	1.640 NTU	667.6 mV	29.90 ft	1.324 PSU	105.0 ml/min

Samples

Sample ID:	Description:
PT-06	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/18/2025 1:00:46 PM
Project: Plant Bowen AP CA 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: 27.05 ft**	**Pump Type: QED Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 37.42 ft** **Estimated Total Volume Pumped: 3000 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: 1197755**

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	
6/18/2025 1:00 PM	00:00	6.869 pH	19.89 °C	2,506 µS/cm	0.814 mg/L	0.690 NTU	119.6 mV	27.10 ft	1.307 PSU	120.0 ml/min
6/18/2025 1:05 PM	05:00	6.864 pH	19.88 °C	2,504 µS/cm	0.656 mg/L	0.760 NTU	117.8 mV	27.10 ft	1.305 PSU	120.0 ml/min
6/18/2025 1:10 PM	10:00	6.863 pH	19.78 °C	2,515 µS/cm	0.570 mg/L	0.730 NTU	74.5 mV	27.10 ft	1.311 PSU	120.0 ml/min
6/18/2025 1:15 PM	15:00	6.861 pH	19.76 °C	2,507 µS/cm	0.417 mg/L	0.900 NTU	66.9 mV	27.10 ft	1.307 PSU	120.0 ml/min
6/18/2025 1:20 PM	20:00	6.860 pH	19.85 °C	2,507 µS/cm	0.376 mg/L	0.530 NTU	63.4 mV	27.08 ft	1.307 PSU	120.0 ml/min
6/18/2025 1:25 PM	25:00	6.860 pH	19.85 °C	2,505 µS/cm	0.356 mg/L	0.470 NTU	59.9 mV	27.08 ft	1.306 PSU	120.0 ml/min

Samples

Sample ID:	Description:
INW-01	Metals, Inorganics, Alkalinity, TDS, Sulfide

Created using VuSitu from In-Situ, Inc.

Calibration Forms

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/01/2025

Calibrated By: Natalie Piparo

Field Conditions: H 82, L 66

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	08:53	**Time Finish**	09:11		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.45	23.34	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,441.60	22.57	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.47	± 0.1	GWMP
pH (SU)	7.00	7.05	22.64	± 0.1	GWMP
pH (SU)	10.00	10.11	22.89	± 0.1	GWMP
ORP (mV)	228.0	224.60	22.61	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.19		
	10.00	10.22		

Calibration Check					
Time Start	16:43	**Time Finish**	16:55		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,491.30	26.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	26.09	± 0.1	GWMP
pH (SU)	7.00	7.12	27.61	± 0.1	GWMP
pH (SU)	10.00	10.03	29.18	± 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	10.10		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/01/2025

Calibrated By: Natalie Piparo

Field Conditions: H 82, L 66

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	08:53	**Time Finish**	09:11		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.45	23.34	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,441.60	22.57	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.47	± 0.1	GWMP
pH (SU)	7.00	7.05	22.64	± 0.1	GWMP
pH (SU)	10.00	10.11	22.89	± 0.1	GWMP
ORP (mV)	228.0	224.60	22.61	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.19		
	10.00	10.22		

Calibration Check					
Time Start	16:43	**Time Finish**	16:55		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,491.30	26.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	26.09	± 0.1	GWMP
pH (SU)	7.00	7.12	27.61	± 0.1	GWMP
pH (SU)	10.00	10.03	29.18	± 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	10.10		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/02/2025

Calibrated By: Natalie Piparo

Field Conditions: H 81, L 61

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	08:29	**Time Finish**	08:42		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.09	19.89	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,519.00	19.77	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	19.76	± 0.1	GWMP
pH (SU)	7.00	7.01	19.90	± 0.1	GWMP
pH (SU)	10.00	10.02	20.00	± 0.1	GWMP
ORP (mV)	228.0	232.20	20.02	± 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	10.17		

Calibration Check					
Time Start	14:01	**Time Finish**	14:13		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,439.40	26.88	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	23.91	± 0.1	GWMP
pH (SU)	7.00	7.17	25.13	± 0.1	GWMP
pH (SU)	10.00	10.16	26.09	± 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	10.16		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/02/2025

Calibrated By: Jay Siewert

Field Conditions: 81°/61°

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.
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	08:32	**Time Finish**	08:51		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.29	20.00	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,384.60	19.73	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	19.74	± 0.1	GWMP
pH (SU)	7.00	7.02	20.09	± 0.1	GWMP
pH (SU)	10.00	10.07	20.18	± 0.1	GWMP
ORP (mV)	228.0	230.30	20.22	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	10.45		

Calibration Check					
Time Start	15:10	**Time Finish**	15:27		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,339.40	26.16	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	26.94	± 0.1	GWMP
pH (SU)	7.00	7.07	26.67	± 0.1	GWMP
pH (SU)	10.00	10.10	28.68	± 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	10.20		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/15/2025

Calibrated By: Natalie Piparo

Field Conditions: H 85, L 65

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	10:30	**Time Finish**	10:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.40	22.79	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,512.40	22.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	22.81	± 0.1	GWMP
pH (SU)	7.00	7.10	22.55	± 0.1	GWMP
pH (SU)	10.00	10.10	22.45	± 0.1	GWMP
ORP (mV)	228.0	220.10	22.72	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.06		
	10.00	10.48		

Calibration Check					
Time Start	15:53	**Time Finish**	16:00		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,410.50	26.60	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	26.57	± 0.1	GWMP
pH (SU)	7.00	7.18	26.51	± 0.1	GWMP
pH (SU)	10.00	10.20	27.13	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.17		
	10.00	10.33		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/15/2025

Calibrated By: Jay Siewert

Field Conditions: 87°/63°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
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	10:35	**Time Finish**	10:47		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.04	24.09	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,449.50	23.85	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	24.31	± 0.1	GWMP
pH (SU)	7.00	7.07	24.52	± 0.1	GWMP
pH (SU)	10.00	10.03	23.95	± 0.1	GWMP
ORP (mV)	228.0	231.30	22.95	± 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	10.28		

Calibration Check					
Time Start	16:15	**Time Finish**	16:23		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,211.30	28.86	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	28.50	± 0.1	GWMP
pH (SU)	7.00	7.15	28.52	± 0.1	GWMP
pH (SU)	10.00	10.13	30.42	± 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: 05/16/2025

Calibrated By: Jay Siewert

Field Conditions: 88°/68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1202740
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	08:47	**Time Finish**	09:07		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.34	23.03	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,095.60	23.20	± 10% of standard	EPA 2023
pH (SU)	4.00	3.94	23.42	± 0.1	GWMP
pH (SU)	7.00	7.02	23.57	± 0.1	GWMP
pH (SU)	10.00	10.09	23.94	± 0.1	GWMP
ORP (mV)	228.0	235.00	23.99	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.11		
	10.00	10.10		

Calibration Check					
Time Start	12:33	**Time Finish**	12:40		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,383.90	26.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	26.07	± 0.1	GWMP
pH (SU)	7.00	7.10	26.84	± 0.1	GWMP
pH (SU)	10.00	10.05	27.91	± 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	10.62		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 05/16/2025

Calibrated By: Natalie Piparo

Field Conditions: H 85, L 70

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	08:47	**Time Finish**	08:59		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.25	22.41	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,279.80	22.29	± 10% of standard	EPA 2023
pH (SU)	4.00	3.96	22.31	± 0.1	GWMP
pH (SU)	7.00	6.98	22.18	± 0.1	GWMP
pH (SU)	10.00	10.05	22.35	± 0.1	GWMP
ORP (mV)	228.0	229.10	22.34	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.22		
	10.00	10.23		

Calibration Check					
Time Start	12:27	**Time Finish**	12:31		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,498.90	23.81	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	23.79	± 0.1	GWMP
pH (SU)	7.00	7.19	23.86	± 0.1	GWMP
pH (SU)	10.00	10.08	24.05	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.31		
	10.00	10.09		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 06/03/2025

Calibrated By: Jay Siewert

Field Conditions: 86°/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	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	08:51	**Time Finish**	09:11		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	97.67	22.82	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,566.30	23.39	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	23.60	± 0.1	GWMP
pH (SU)	7.00	7.12	24.47	± 0.1	GWMP
pH (SU)	10.00	10.01	24.24	± 0.1	GWMP
ORP (mV)	228.0	225.50	24.22	± 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	10.46		

Calibration Check					
Time Start	14:25	**Time Finish**	14:32		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,356.40	28.46	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	28.51	± 0.1	GWMP
pH (SU)	7.00	7.05	29.34	± 0.1	GWMP
pH (SU)	10.00	9.99	30.57	± 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	10.21		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 06/03/2025

Calibrated By: Natalie Piparo

Field Conditions: H 85, L 62

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	08:57	**Time Finish**	09:09		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.20	23.61	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,494.00	24.01	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	24.26	± 0.1	GWMP
pH (SU)	7.00	7.06	24.54	± 0.1	GWMP
pH (SU)	10.00	10.02	24.72	± 0.1	GWMP
ORP (mV)	228.0	218.50	24.77	± 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	10.06		

Calibration Check					
Time Start	14:22	**Time Finish**	14:32		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,451.40	25.87	± 10% of standard	EPA 2023
pH (SU)	4.00	4.17	25.87	± 0.1	GWMP
pH (SU)	7.00	7.22	25.00	± 0.1	GWMP
pH (SU)	10.00	10.19	26.60	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.03	± 10% of standard	EPA 2023
	1.00	1.09		
	10.00	10.20		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 06/04/2025

Calibrated By: Natalie Piparo

Field Conditions: H 82, L 67

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	08:42	**Time Finish**	08:54		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.94	22.21	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,408.80	22.48	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	22.62	± 0.1	GWMP
pH (SU)	7.00	7.00	22.84	± 0.1	GWMP
pH (SU)	10.00	10.00	22.86	± 0.1	GWMP
ORP (mV)	228.0	231.20	22.74	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.05		
	10.00	10.27		

Calibration Check					
Time Start	11:05	**Time Finish**	11:11		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,456.80	23.29	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	23.33	± 0.1	GWMP
pH (SU)	7.00	7.21	23.76	± 0.1	GWMP
pH (SU)	10.00	10.09	25.16	± 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	10.10		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 06/17/2025

Calibrated By: Jay Siewert

Field Conditions: 86°/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	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	08:58	**Time Finish**	09:17		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.30	24.61	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,450.00	24.84	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	25.01	± 0.1	GWMP
pH (SU)	7.00	6.95	24.79	± 0.1	GWMP
pH (SU)	10.00	10.03	25.13	± 0.1	GWMP
ORP (mV)	228.0	224.80	25.10	± 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	10.23		

Calibration Check					
Time Start	15:09	**Time Finish**	15:15		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,437.00	29.45	± 10% of standard	EPA 2023
pH (SU)	4.00	4.13	29.45	± 0.1	GWMP
pH (SU)	7.00	7.18	30.00	± 0.1	GWMP
pH (SU)	10.00	10.12	30.43	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.05		
	10.00	10.22		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 06/18/2025

Calibrated By: Shannon Northen

Field Conditions: 86 High/ 68 Low

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	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**	08:54		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.90	22.45	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,490.00	22.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	22.60	± 0.1	GWMP
pH (SU)	7.00	23.01	23.04	± 0.1	GWMP
pH (SU)	10.00	10.07	23.25	± 0.1	GWMP
ORP (mV)	228.0	228.30	23.28	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	0.99		
	10.00	10.83		

Calibration Check					
Time Start	15:08	**Time Finish**	15:16		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,710.00	33.11	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	33.17	± 0.1	GWMP
pH (SU)	7.00	7.15	32.69	± 0.1	GWMP
pH (SU)	10.00	10.11	32.30	± 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	9.44		

Notes:

Start of Day:

End of Day:

Field Instrumentation Calibration Form

Site Name: Plant Bowen AP

Date: 06/18/2025

Calibrated By: Jay Siewert

Field Conditions: 86°/68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1197755
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	09:40	**Time Finish**	09:54		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.90	25.21	± 10%	NA
Specific Conductance (µS/cm)	4,490	4,387.00	24.96	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	25.18	± 0.1	GWMP
pH (SU)	7.00	6.98	24.83	± 0.1	GWMP
pH (SU)	10.00	10.02	24.49	± 0.1	GWMP
ORP (mV)	228.0	220.00	24.89	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	10.33		

Calibration Check					
Time Start	15:04	**Time Finish**	15:15		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,584.00	30.18	± 10% of standard	EPA 2023
pH (SU)	4.00	4.13	30.14	± 0.1	GWMP
pH (SU)	7.00	7.18	30.86	± 0.1	GWMP
pH (SU)	10.00	10.14	31.87	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0.00	0	± 10% of standard	EPA 2023
	1.00	1.05		
	10.00	10.64		

Notes:

Start of Day:

End of Day:

APPENDIX C

Laboratory Reports

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

May 19, 2025

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

RE: Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 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,

Nicole D'Oleo

Nicole D'Oleo for
Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Marty Crook, Geosyntec Consultants
R. Michael Kelly, Georgia Power - Plant Bowen
Whitney Law, Geosyntec
Mintao Lu, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Rachel Spear, Georgia Power - Plant Bowen

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 CA Week 1
Pace Project No.: 92794440

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

SAMPLE SUMMARY

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92794440001	**BOW-PT-02**	Water	05/02/25 12:27	05/05/25 14:30
92794440002	**BOW-PT-06**	Water	05/02/25 14:20	05/05/25 14:30
92794440003	**BOW-INW-01**	Water	05/02/25 10:27	05/05/25 14:30
92794440004	**BOW-AP1-FD-01**	Water	05/02/25 00:00	05/05/25 14:30
92794440005	**BOW-AP1-FB-01**	Water	05/02/25 14:15	05/05/25 14:30
92794440006	**BOW-AP1-EB-01**	Water	05/02/25 15:11	05/05/25 14:30
92794440007	**BOW-PT-04**	Water	05/01/25 14:46	05/05/25 14:30
92794440008	**BOW-PT-05**	Water	05/01/25 16:10	05/05/25 14:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92794440001	**BOW-PT-02**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440002	**BOW-PT-06**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440003	**BOW-INW-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440004	**BOW-AP1-FD-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440005	**BOW-AP1-FB-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440006	**BOW-AP1-EB-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	SMS	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440007	**BOW-PT-04**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, BW	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92794440008	**BOW-PT-05**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1, 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 Week 1
Pace Project No.: 92794440

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92794440001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00811J	mg/L	0.0300	05/13/25 18:21	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	1140	mg/L	5.0	05/14/25 10:29	
SM 2320B-2011	Alkalinity, Total as CaCO3	1140	mg/L	5.0	05/14/25 10:29	
SM 2540C-2015	Total Dissolved Solids	1890	mg/L	125	05/06/25 14:52	
EPA 300.0 Rev 2.1 1993	Chloride	208	mg/L	5.0	05/06/25 16:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.35	mg/L	0.10	05/06/25 14:22	
EPA 300.0 Rev 2.1 1993	Sulfate	213	mg/L	5.0	05/06/25 16:51	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	05/12/25 12:08	
EPA 6020B	Barium	0.076	mg/L	0.0050	05/12/25 12:08	
EPA 6020B	Boron	5.8	mg/L	1.0	05/13/25 13:38	
EPA 6020B	Cadmium	0.00013J	mg/L	0.00050	05/12/25 12:08	
EPA 6020B	Calcium	124	mg/L	25.0	05/13/25 13:38	
EPA 6020B	Iron	2.2	mg/L	0.040	05/12/25 12:08	
EPA 6020B	Magnesium	27.4	mg/L	0.050	05/12/25 12:08	
EPA 6020B	Manganese	0.093	mg/L	0.040	05/12/25 12:08	
EPA 6020B	Molybdenum	0.12	mg/L	0.010	05/12/25 12:08	
EPA 6020B	Potassium	6.8	mg/L	0.50	05/12/25 12:08	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	05/12/25 12:08	
EPA 6020B	Sodium	625	mg/L	25.0	05/13/25 13:38	
EPA 6020B	Thallium	0.00054J	mg/L	0.0010	05/12/25 12:08	
92794440002	**BOW-PT-06**					
EPA 6020B	Lithium	0.00563J	mg/L	0.0300	05/13/25 18:24	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	321	mg/L	5.0	05/14/25 10:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	321	mg/L	5.0	05/14/25 10:39	
SM 2540C-2015	Total Dissolved Solids	1870	mg/L	125	05/06/25 14:53	
SM 4500-S2D-2011	Sulfide	0.033J	mg/L	0.10	05/07/25 20:16	
EPA 300.0 Rev 2.1 1993	Chloride	497	mg/L	11.0	05/06/25 17:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	05/06/25 14:37	
EPA 300.0 Rev 2.1 1993	Sulfate	349	mg/L	11.0	05/06/25 17:05	
EPA 6020B	Antimony	0.00071J	mg/L	0.0030	05/12/25 12:12	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0050	05/12/25 12:12	
EPA 6020B	Barium	0.088	mg/L	0.0050	05/12/25 12:12	
EPA 6020B	Boron	8.1	mg/L	2.0	05/13/25 13:57	
EPA 6020B	Calcium	306	mg/L	50.0	05/13/25 13:57	
EPA 6020B	Cobalt	0.0052	mg/L	0.0050	05/12/25 12:12	
EPA 6020B	Iron	6.7	mg/L	0.040	05/12/25 12:12	
EPA 6020B	Magnesium	77.4	mg/L	0.25	05/13/25 13:48	
EPA 6020B	Manganese	0.81	mg/L	0.20	05/13/25 13:48	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	05/12/25 12:12	
EPA 6020B	Potassium	11.6	mg/L	0.50	05/12/25 12:12	
EPA 6020B	Selenium	0.0022J	mg/L	0.0050	05/12/25 12:12	
EPA 6020B	Sodium	127	mg/L	50.0	05/13/25 13:57	
92794440003	**BOW-INW-01**					
EPA 6020B	Lithium	0.00873J	mg/L	0.0300	05/13/25 18:27	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	1720	mg/L	5.0	05/14/25 10:47	
SM 2320B-2011	Alkalinity, Total as CaCO3	1720	mg/L	5.0	05/14/25 10:47	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92794440003	**BOW-INW-01**					
SM 2540C-2015	Total Dissolved Solids	2560	mg/L	125	05/06/25 14:53	
EPA 300.0 Rev 2.1 1993	Chloride	224	mg/L	5.0	05/06/25 17:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.45	mg/L	0.10	05/06/25 14:51	
EPA 300.0 Rev 2.1 1993	Sulfate	230	mg/L	5.0	05/06/25 17:20	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	05/12/25 12:16	
EPA 6020B	Barium	0.11	mg/L	0.0050	05/12/25 12:16	
EPA 6020B	Boron	6.6	mg/L	2.0	05/13/25 14:06	
EPA 6020B	Cadmium	0.00018J	mg/L	0.00050	05/12/25 12:16	
EPA 6020B	Calcium	104	mg/L	50.0	05/13/25 14:06	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	05/12/25 12:16	
EPA 6020B	Iron	1.8	mg/L	0.040	05/12/25 12:16	
EPA 6020B	Magnesium	23.5	mg/L	0.050	05/12/25 12:16	
EPA 6020B	Manganese	0.069	mg/L	0.040	05/12/25 12:16	
EPA 6020B	Molybdenum	0.23	mg/L	0.010	05/12/25 12:16	
EPA 6020B	Potassium	6.6	mg/L	0.50	05/12/25 12:16	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	05/12/25 12:16	
EPA 6020B	Sodium	891	mg/L	50.0	05/13/25 14:06	
EPA 6020B	Thallium	0.00038J	mg/L	0.0010	05/12/25 12:16	
92794440004	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00870J	mg/L	0.0300	05/13/25 18:30	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	1720	mg/L	5.0	05/14/25 10:59	
SM 2320B-2011	Alkalinity, Total as CaCO3	1720	mg/L	5.0	05/14/25 10:59	
SM 2540C-2015	Total Dissolved Solids	2630	mg/L	250	05/06/25 14:53	
EPA 300.0 Rev 2.1 1993	Chloride	225	mg/L	5.0	05/06/25 17:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.46	mg/L	0.10	05/06/25 15:06	
EPA 300.0 Rev 2.1 1993	Sulfate	230	mg/L	5.0	05/06/25 17:35	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	05/12/25 12:20	
EPA 6020B	Barium	0.11	mg/L	0.0050	05/12/25 12:20	
EPA 6020B	Boron	6.5	mg/L	2.0	05/13/25 14:15	
EPA 6020B	Cadmium	0.00019J	mg/L	0.00050	05/12/25 12:20	
EPA 6020B	Calcium	103	mg/L	50.0	05/13/25 14:15	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	05/12/25 12:20	
EPA 6020B	Iron	1.9	mg/L	0.040	05/12/25 12:20	
EPA 6020B	Magnesium	24.0	mg/L	0.050	05/12/25 12:20	
EPA 6020B	Manganese	0.070	mg/L	0.040	05/12/25 12:20	
EPA 6020B	Molybdenum	0.23	mg/L	0.010	05/12/25 12:20	
EPA 6020B	Potassium	6.7	mg/L	0.50	05/12/25 12:20	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	05/12/25 12:20	
EPA 6020B	Sodium	890	mg/L	50.0	05/13/25 14:15	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	05/12/25 12:20	
92794440005	**BOW-AP1-FB-01**					
EPA 6020B	Sodium	0.17J	mg/L	1.0	05/12/25 12:32	
92794440007	**BOW-PT-04**					
EPA 6020B	Lithium	0.00499J	mg/L	0.0300	05/14/25 03:39	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	2130	mg/L	5.0	05/14/25 10:07	
SM 2320B-2011	Alkalinity, Total as CaCO3	2130	mg/L	5.0	05/14/25 10:07	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92794440007	**BOW-PT-04**					
SM 2540C-2015	Total Dissolved Solids	2620	mg/L	125	05/06/25 14:51	
EPA 300.0 Rev 2.1 1993	Chloride	114	mg/L	3.0	05/06/25 17:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.45	mg/L	0.10	05/06/25 15:51	
EPA 300.0 Rev 2.1 1993	Sulfate	146	mg/L	3.0	05/06/25 17:49	
EPA 6020B	Arsenic	0.0014J	mg/L	0.0050	05/12/25 12:40	
EPA 6020B	Barium	0.029	mg/L	0.0050	05/12/25 12:40	
EPA 6020B	Boron	4.8	mg/L	1.0	05/13/25 14:42	
EPA 6020B	Calcium	43.8	mg/L	1.0	05/12/25 12:40	
EPA 6020B	Iron	0.84	mg/L	0.040	05/12/25 12:40	
EPA 6020B	Magnesium	14.2	mg/L	0.050	05/12/25 12:40	
EPA 6020B	Manganese	0.079	mg/L	0.040	05/12/25 12:40	
EPA 6020B	Molybdenum	0.16	mg/L	0.010	05/12/25 12:40	
EPA 6020B	Potassium	5.3	mg/L	0.50	05/12/25 12:40	
EPA 6020B	Sodium	1010	mg/L	125	05/13/25 15:09	
EPA 6020B	Thallium	0.0010	mg/L	0.0010	05/12/25 12:40	
92794440008	**BOW-PT-05**					
EPA 6020B	Lithium	0.00298J	mg/L	0.0300	05/14/25 03:42	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	387	mg/L	5.0	05/14/25 10:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	387	mg/L	5.0	05/14/25 10:21	
SM 2540C-2015	Total Dissolved Solids	1390	mg/L	125	05/06/25 14:51	
EPA 300.0 Rev 2.1 1993	Chloride	274	mg/L	6.0	05/06/25 18:04	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	05/06/25 16:06	
EPA 300.0 Rev 2.1 1993	Sulfate	249	mg/L	6.0	05/06/25 18:04	M1
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	05/12/25 12:45	
EPA 6020B	Barium	0.081	mg/L	0.0050	05/12/25 12:45	
EPA 6020B	Boron	6.8	mg/L	1.0	05/13/25 15:19	
EPA 6020B	Calcium	230	mg/L	25.0	05/13/25 15:19	
EPA 6020B	Cobalt	0.0061	mg/L	0.0050	05/12/25 12:45	
EPA 6020B	Iron	5.2	mg/L	0.040	05/12/25 12:45	
EPA 6020B	Magnesium	57.9	mg/L	1.2	05/13/25 15:19	
EPA 6020B	Manganese	0.37	mg/L	0.040	05/12/25 12:45	
EPA 6020B	Molybdenum	0.014	mg/L	0.010	05/12/25 12:45	
EPA 6020B	Potassium	5.3	mg/L	0.50	05/12/25 12:45	
EPA 6020B	Sodium	118	mg/L	25.0	05/13/25 15:19	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-02 **Lab ID: 92794440001** Collected: 05/02/25 12:27 Received: 05/05/25 14:30 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	**0.00811J**	mg/L	0.0300	0.000600	1	05/13/25 09:49	05/13/25 18:21	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**1140**	mg/L	5.0	5.0	1		05/14/25 10:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/14/25 10:29		
Alkalinity, Total as CaCO3	**1140**	mg/L	5.0	5.0	1		05/14/25 10:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1890**	mg/L	125	125	1		05/06/25 14:52		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:15	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**208**	mg/L	5.0	3.0	5		05/06/25 16:51	16887-00-6	
Fluoride	**0.35**	mg/L	0.10	0.050	1		05/06/25 14:22	16984-48-8	
Sulfate	**213**	mg/L	5.0	2.5	5		05/06/25 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	0.0030	0.00050	1	05/10/25 07:02	05/12/25 12:08	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:08	7440-38-2	
Barium	**0.076**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:08	7440-41-7	
Boron	**5.8**	mg/L	1.0	0.16	25	05/10/25 07:02	05/13/25 13:38	7440-42-8	
Cadmium	**0.00013J**	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:08	7440-43-9	
Calcium	**124**	mg/L	25.0	2.5	25	05/10/25 07:02	05/13/25 13:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:08	7440-48-4	
Iron	**2.2**	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:08	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:08	7439-92-1	
Magnesium	**27.4**	mg/L	0.050	0.010	1	05/10/25 07:02	05/12/25 12:08	7439-95-4	
Manganese	**0.093**	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:08	7439-96-5	
Molybdenum	**0.12**	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:08	7439-98-7	
Potassium	**6.8**	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:08	7440-09-7	
Selenium	**0.0025J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:08	7782-49-2	
Sodium	**625**	mg/L	25.0	3.8	25	05/10/25 07:02	05/13/25 13:38	7440-23-5	
Thallium	**0.00054J**	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:08	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-02 **Lab ID: 92794440001** Collected: 05/02/25 12:27 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:21	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-06 **Lab ID: 92794440002** Collected: 05/02/25 14:20 Received: 05/05/25 14:30 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	**0.00563J**	mg/L	0.0300	0.000600	1	05/13/25 09:49	05/13/25 18:24	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**321**	mg/L	5.0	5.0	1		05/14/25 10:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/14/25 10:39		
Alkalinity, Total as CaCO3	**321**	mg/L	5.0	5.0	1		05/14/25 10:39		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1870**	mg/L	125	125	1		05/06/25 14:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.033J**	mg/L	0.10	0.022	1		05/07/25 20:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**497**	mg/L	11.0	6.6	11		05/06/25 17:05	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		05/06/25 14:37	16984-48-8	
Sulfate	**349**	mg/L	11.0	5.5	11		05/06/25 17:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00071J**	mg/L	0.0030	0.00050	1	05/10/25 07:02	05/12/25 12:12	7440-36-0	
Arsenic	**0.0020J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:12	7440-38-2	
Barium	**0.088**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:12	7440-41-7	
Boron	**8.1**	mg/L	2.0	0.31	50	05/10/25 07:02	05/13/25 13:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:12	7440-43-9	
Calcium	**306**	mg/L	50.0	5.0	50	05/10/25 07:02	05/13/25 13:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:12	7440-47-3	
Cobalt	**0.0052**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:12	7440-48-4	
Iron	**6.7**	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:12	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:12	7439-92-1	
Magnesium	**77.4**	mg/L	0.25	0.050	5	05/10/25 07:02	05/13/25 13:48	7439-95-4	
Manganese	**0.81**	mg/L	0.20	0.0062	5	05/10/25 07:02	05/13/25 13:48	7439-96-5	
Molybdenum	**0.019**	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:12	7439-98-7	
Potassium	**11.6**	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:12	7440-09-7	
Selenium	**0.0022J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:12	7782-49-2	
Sodium	**127**	mg/L	50.0	7.5	50	05/10/25 07:02	05/13/25 13:57	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:12	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-06 **Lab ID: 92794440002** Collected: 05/02/25 14:20 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-INW-01 **Lab ID: 92794440003** Collected: 05/02/25 10:27 Received: 05/05/25 14:30 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	**0.00873J**	mg/L	0.0300	0.000600	1	05/13/25 09:49	05/13/25 18:27	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**1720**	mg/L	5.0	5.0	1		05/14/25 10:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/14/25 10:47		
Alkalinity, Total as CaCO3	**1720**	mg/L	5.0	5.0	1		05/14/25 10:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2560**	mg/L	125	125	1		05/06/25 14:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:17	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**224**	mg/L	5.0	3.0	5		05/06/25 17:20	16887-00-6	
Fluoride	**0.45**	mg/L	0.10	0.050	1		05/06/25 14:51	16984-48-8	
Sulfate	**230**	mg/L	5.0	2.5	5		05/06/25 17:20	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	05/10/25 07:02	05/12/25 12:16	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:16	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:16	7440-41-7	
Boron	**6.6**	mg/L	2.0	0.31	50	05/10/25 07:02	05/13/25 14:06	7440-42-8	
Cadmium	**0.00018J**	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:16	7440-43-9	
Calcium	**104**	mg/L	50.0	5.0	50	05/10/25 07:02	05/13/25 14:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:16	7440-47-3	
Cobalt	**0.0016J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:16	7440-48-4	
Iron	**1.8**	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:16	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:16	7439-92-1	
Magnesium	**23.5**	mg/L	0.050	0.010	1	05/10/25 07:02	05/12/25 12:16	7439-95-4	
Manganese	**0.069**	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:16	7439-96-5	
Molybdenum	**0.23**	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:16	7439-98-7	
Potassium	**6.6**	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:16	7440-09-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:16	7782-49-2	
Sodium	**891**	mg/L	50.0	7.5	50	05/10/25 07:02	05/13/25 14:06	7440-23-5	
Thallium	**0.00038J**	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:16	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-INW-01 **Lab ID: 92794440003** Collected: 05/02/25 10:27 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:27	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-AP1-FD-01 **Lab ID: 92794440004** Collected: 05/02/25 00:00 Received: 05/05/25 14:30 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	**0.00870J**	mg/L	0.0300	0.000600	1	05/13/25 09:49	05/13/25 18:30	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**1720**	mg/L	5.0	5.0	1		05/14/25 10:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/14/25 10:59		
Alkalinity, Total as CaCO3	**1720**	mg/L	5.0	5.0	1		05/14/25 10:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2630**	mg/L	250	250	1		05/06/25 14:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:17	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**225**	mg/L	5.0	3.0	5		05/06/25 17:35	16887-00-6	
Fluoride	**0.46**	mg/L	0.10	0.050	1		05/06/25 15:06	16984-48-8	
Sulfate	**230**	mg/L	5.0	2.5	5		05/06/25 17:35	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	05/10/25 07:02	05/12/25 12:20	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:20	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:20	7440-41-7	
Boron	**6.5**	mg/L	2.0	0.31	50	05/10/25 07:02	05/13/25 14:15	7440-42-8	
Cadmium	**0.00019J**	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:20	7440-43-9	
Calcium	**103**	mg/L	50.0	5.0	50	05/10/25 07:02	05/13/25 14:15	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:20	7440-47-3	
Cobalt	**0.0016J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:20	7440-48-4	
Iron	**1.9**	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:20	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:20	7439-92-1	
Magnesium	**24.0**	mg/L	0.050	0.010	1	05/10/25 07:02	05/12/25 12:20	7439-95-4	
Manganese	**0.070**	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:20	7439-96-5	
Molybdenum	**0.23**	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:20	7439-98-7	
Potassium	**6.7**	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:20	7440-09-7	
Selenium	**0.0023J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:20	7782-49-2	
Sodium	**890**	mg/L	50.0	7.5	50	05/10/25 07:02	05/13/25 14:15	7440-23-5	
Thallium	**0.00037J**	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:20	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-AP1-FD-01 **Lab ID: 92794440004** Collected: 05/02/25 00:00 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:29	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-AP1-FB-01 **Lab ID: 92794440005** Collected: 05/02/25 14:15 Received: 05/05/25 14:30 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	05/13/25 09:49	05/13/25 18:33	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		05/13/25 21:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/13/25 21:03		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		05/13/25 21:03		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		05/06/25 14:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:24	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		05/06/25 13:22	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		05/06/25 13:22	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		05/06/25 13:22	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	05/10/25 07:02	05/12/25 12:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:32	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	05/10/25 07:02	05/13/25 14:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:32	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	05/10/25 07:02	05/12/25 12:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:32	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:32	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:32	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	05/10/25 07:02	05/12/25 12:32	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:32	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:32	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:32	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:32	7782-49-2	
Sodium	**0.17J**	mg/L	1.0	0.15	1	05/10/25 07:02	05/12/25 12:32	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:32	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-AP1-FB-01 **Lab ID: 92794440005** Collected: 05/02/25 14:15 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:32	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-AP1-EB-01 **Lab ID: 92794440006** Collected: 05/02/25 15:11 Received: 05/05/25 14:30 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	05/13/25 09:47	05/14/25 03:36	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		05/13/25 21:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/13/25 21:07		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		05/13/25 21:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		05/06/25 14:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:25	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		05/06/25 13:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		05/06/25 13:37	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		05/06/25 13:37	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	05/10/25 07:02	05/12/25 12:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:36	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	05/10/25 07:02	05/13/25 14:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:36	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	05/10/25 07:02	05/12/25 12:36	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:36	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:36	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:36	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	05/10/25 07:02	05/12/25 12:36	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:36	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:36	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:36	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:36	7782-49-2	
Sodium	ND	mg/L	1.0	0.15	1	05/10/25 07:02	05/12/25 12:36	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:36	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-AP1-EB-01 **Lab ID: 92794440006** Collected: 05/02/25 15:11 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:34	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-04 **Lab ID: 92794440007** Collected: 05/01/25 14:46 Received: 05/05/25 14:30 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	**0.00499J**	mg/L	0.0300	0.000600	1	05/13/25 09:47	05/14/25 03:39	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**2130**	mg/L	5.0	5.0	1		05/14/25 10:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/14/25 10:07		
Alkalinity, Total as CaCO3	**2130**	mg/L	5.0	5.0	1		05/14/25 10:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2620**	mg/L	125	125	1		05/06/25 14:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**114**	mg/L	3.0	1.8	3		05/06/25 17:49	16887-00-6	
Fluoride	**0.45**	mg/L	0.10	0.050	1		05/06/25 15:51	16984-48-8	
Sulfate	**146**	mg/L	3.0	1.5	3		05/06/25 17:49	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	05/10/25 07:02	05/12/25 12:40	7440-36-0	
Arsenic	**0.0014J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:40	7440-38-2	
Barium	**0.029**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:40	7440-41-7	
Boron	**4.8**	mg/L	1.0	0.16	25	05/10/25 07:02	05/13/25 14:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:40	7440-43-9	
Calcium	**43.8**	mg/L	1.0	0.10	1	05/10/25 07:02	05/12/25 12:40	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:40	7440-48-4	
Iron	**0.84**	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:40	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:40	7439-92-1	
Magnesium	**14.2**	mg/L	0.050	0.010	1	05/10/25 07:02	05/12/25 12:40	7439-95-4	
Manganese	**0.079**	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:40	7439-96-5	
Molybdenum	**0.16**	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:40	7439-98-7	
Potassium	**5.3**	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:40	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:40	7782-49-2	
Sodium	**1010**	mg/L	125	18.8	125	05/10/25 07:02	05/13/25 15:09	7440-23-5	
Thallium	**0.0010**	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:40	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-04 **Lab ID: 92794440007** Collected: 05/01/25 14:46 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-05 **Lab ID: 92794440008** Collected: 05/01/25 16:10 Received: 05/05/25 14:30 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	**0.00298J**	mg/L	0.0300	0.000600	1	05/13/25 09:47	05/14/25 03:42	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**387**	mg/L	5.0	5.0	1		05/14/25 10:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/14/25 10:21		
Alkalinity, Total as CaCO3	**387**	mg/L	5.0	5.0	1		05/14/25 10:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1390**	mg/L	125	125	1		05/06/25 14:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/07/25 20:14	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**274**	mg/L	6.0	3.6	6		05/06/25 18:04	16887-00-6	M1
Fluoride	**0.11**	mg/L	0.10	0.050	1		05/06/25 16:06	16984-48-8	
Sulfate	**249**	mg/L	6.0	3.0	6		05/06/25 18:04	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	05/10/25 07:02	05/12/25 12:45	7440-36-0	
Arsenic	**0.0019J**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:45	7440-38-2	
Barium	**0.081**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/10/25 07:02	05/12/25 12:45	7440-41-7	
Boron	**6.8**	mg/L	1.0	0.16	25	05/10/25 07:02	05/13/25 15:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/10/25 07:02	05/12/25 12:45	7440-43-9	
Calcium	**230**	mg/L	25.0	2.5	25	05/10/25 07:02	05/13/25 15:19	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:45	7440-47-3	
Cobalt	**0.0061**	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:45	7440-48-4	
Iron	**5.2**	mg/L	0.040	0.012	1	05/10/25 07:02	05/12/25 12:45	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	05/10/25 07:02	05/12/25 12:45	7439-92-1	
Magnesium	**57.9**	mg/L	1.2	0.25	25	05/10/25 07:02	05/13/25 15:19	7439-95-4	
Manganese	**0.37**	mg/L	0.040	0.0012	1	05/10/25 07:02	05/12/25 12:45	7439-96-5	
Molybdenum	**0.014**	mg/L	0.010	0.0025	1	05/10/25 07:02	05/12/25 12:45	7439-98-7	
Potassium	**5.3**	mg/L	0.50	0.10	1	05/10/25 07:02	05/12/25 12:45	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	05/10/25 07:02	05/12/25 12:45	7782-49-2	
Sodium	**118**	mg/L	25.0	3.8	25	05/10/25 07:02	05/13/25 15:19	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	05/10/25 07:02	05/12/25 12:45	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Sample: BOW-PT-05 **Lab ID: 92794440008** Collected: 05/01/25 16:10 Received: 05/05/25 14:30 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	05/10/25 09:40	05/12/25 08:44	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 2511462
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005

METHOD BLANK: R4214199-1 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	05/13/25 16:58	

LABORATORY CONTROL SAMPLE: R4214199-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0432	86.3	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4214199-4 R4214199-5

Parameter	Units	L1855547-37 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0276	0.0500	0.0500	0.0721	0.0703	89.1	85.5	75.0-125	2.54	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 2511466
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92794440006, 92794440007, 92794440008

METHOD BLANK: R4214415-1 Matrix: Water
Associated Lab Samples: 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	05/14/25 03:12	

LABORATORY CONTROL SAMPLE: R4214415-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0500	99.9	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4214415-4 R4214415-5

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	0.0684	0.0679	92.4	91.5	75.0-125	0.657	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 935257
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

METHOD BLANK: 4806201 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	05/13/25 18:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	05/13/25 18:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	05/13/25 18:06	

LABORATORY CONTROL SAMPLE: 4806202

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: 4806203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4806204 4806205

Parameter	Units	92795828002 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	56.6	50	50	106	107	99	102	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4806221 4806222

Parameter	Units	92793347003 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	211	50	50	260	257	97	92	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 933710 | 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: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

METHOD BLANK: 4797050 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	05/06/25 14:51	

LABORATORY CONTROL SAMPLE: 4797051

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

SAMPLE DUPLICATE: 4797052

Parameter	Units	92794440007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2620	2610	0	25	

SAMPLE DUPLICATE: 4797053

Parameter	Units	92794440003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2560	2540	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 934148
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: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

METHOD BLANK: 4800215 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	05/07/25 20:10	

LABORATORY CONTROL SAMPLE: 4800216

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: 4800217 4800218

Parameter	Units	92794440007 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	109	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4800219 4800220

Parameter	Units	92794751002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.10	0.5	0.5	0.64	0.64	107	107	80-120	0	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 933670
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: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

METHOD BLANK: 4796894 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	05/06/25 12:52	
Fluoride	mg/L	ND	0.10	0.050	05/06/25 12:52	
Sulfate	mg/L	ND	1.0	0.50	05/06/25 12:52	

LABORATORY CONTROL SAMPLE: 4796895

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	104	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4796896 4796897

Parameter	Units	92794440008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	274	50	50	317	313	86	79	90-110	1	10	M1
Fluoride	mg/L	0.11	2.5	2.5	2.5	2.5	96	98	90-110	1	10	
Sulfate	mg/L	249	50	50	295	292	91	86	90-110	1	10	M1

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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 Week 1
Pace Project No.: 92794440

QC Batch: 934546
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

METHOD BLANK: 4802343 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	05/12/25 10:55	
Arsenic	mg/L	ND	0.0050	0.0012	05/12/25 10:55	
Barium	mg/L	ND	0.0050	0.0012	05/12/25 10:55	
Beryllium	mg/L	ND	0.00050	0.00015	05/12/25 10:55	
Boron	mg/L	ND	0.040	0.0062	05/13/25 13:20	
Cadmium	mg/L	ND	0.00050	0.00012	05/12/25 10:55	
Calcium	mg/L	ND	1.0	0.10	05/12/25 10:55	
Chromium	mg/L	ND	0.0050	0.0012	05/12/25 10:55	
Cobalt	mg/L	ND	0.0050	0.0012	05/12/25 10:55	
Iron	mg/L	0.015J	0.040	0.012	05/12/25 10:55	
Lead	mg/L	ND	0.0010	0.00025	05/12/25 10:55	
Magnesium	mg/L	ND	0.050	0.010	05/12/25 10:55	
Manganese	mg/L	ND	0.040	0.0012	05/12/25 10:55	
Molybdenum	mg/L	ND	0.010	0.0025	05/12/25 10:55	
Potassium	mg/L	ND	0.50	0.10	05/12/25 10:55	
Selenium	mg/L	ND	0.0050	0.0012	05/12/25 10:55	
Sodium	mg/L	ND	1.0	0.15	05/12/25 10:55	
Thallium	mg/L	ND	0.0010	0.00015	05/12/25 10:55	

LABORATORY CONTROL SAMPLE: 4802344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Calcium	mg/L	1	1.1	107	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.11	107	80-120	
Iron	mg/L	1	1.1	108	80-120	
Lead	mg/L	0.1	0.11	108	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Manganese	mg/L	0.1	0.11	105	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Potassium	mg/L	1	1.1	113	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

LABORATORY CONTROL SAMPLE: 4802344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.10	105	80-120	
Sodium	mg/L	1	1.0	105	80-120	
Thallium	mg/L	0.1	0.11	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4802345 4802346

Parameter	Units	92794814005 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	102	102	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	0	20	
Barium	mg/L	105 ug/L	0.1	0.1	0.20	0.20	100	97	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	275 ug/L	0.1	0.1	0.36	0.36	84	86	75-125	0	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Calcium	mg/L	219000 ug/L	1	1	211	208	-821	-1090	75-125	1	20	M1
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	98	98	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	105	105	75-125	0	20	
Iron	mg/L	7600 ug/L	1	1	8.7	8.6	106	95	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Magnesium	mg/L	8740 ug/L	1	1	9.6	9.4	84	71	75-125	1	20	M1
Manganese	mg/L	466 ug/L	0.1	0.1	0.57	0.55	100	86	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20	
Potassium	mg/L	5580 ug/L	1	1	6.5	6.4	92	81	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20	
Sodium	mg/L	5940 ug/L	1	1	6.8	6.8	87	86	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

QC Batch: 934748 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

METHOD BLANK: 4803742 Matrix: Water
Associated Lab Samples: 92794440001, 92794440002, 92794440003, 92794440004, 92794440005, 92794440006, 92794440007, 92794440008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	05/12/25 08:14	

LABORATORY CONTROL SAMPLE: 4803743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0018	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4803744 4803745

Parameter	Units	92794442002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00048	0.002	0.002	0.0024	0.0024	98	98	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

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

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92794440001	**BOW-PT-02**	3015	2511462	EPA 6020B	2511462
92794440002	**BOW-PT-06**	3015	2511462	EPA 6020B	2511462
92794440003	**BOW-INW-01**	3015	2511462	EPA 6020B	2511462
92794440004	**BOW-AP1-FD-01**	3015	2511462	EPA 6020B	2511462
92794440005	**BOW-AP1-FB-01**	3015	2511462	EPA 6020B	2511462
92794440006	**BOW-AP1-EB-01**	3015	2511466	EPA 6020B	2511466
92794440007	**BOW-PT-04**	3015	2511466	EPA 6020B	2511466
92794440008	**BOW-PT-05**	3015	2511466	EPA 6020B	2511466
92794440001	**BOW-PT-02**	SM 2320B-2011	935257		
92794440002	**BOW-PT-06**	SM 2320B-2011	935257		
92794440003	**BOW-INW-01**	SM 2320B-2011	935257		
92794440004	**BOW-AP1-FD-01**	SM 2320B-2011	935257		
92794440005	**BOW-AP1-FB-01**	SM 2320B-2011	935257		
92794440006	**BOW-AP1-EB-01**	SM 2320B-2011	935257		
92794440007	**BOW-PT-04**	SM 2320B-2011	935257		
92794440008	**BOW-PT-05**	SM 2320B-2011	935257		
92794440001	**BOW-PT-02**	SM 2540C-2015	933710		
92794440002	**BOW-PT-06**	SM 2540C-2015	933710		
92794440003	**BOW-INW-01**	SM 2540C-2015	933710		
92794440004	**BOW-AP1-FD-01**	SM 2540C-2015	933710		
92794440005	**BOW-AP1-FB-01**	SM 2540C-2015	933710		
92794440006	**BOW-AP1-EB-01**	SM 2540C-2015	933710		
92794440007	**BOW-PT-04**	SM 2540C-2015	933710		
92794440008	**BOW-PT-05**	SM 2540C-2015	933710		
92794440001	**BOW-PT-02**	SM 4500-S2D-2011	934148		
92794440002	**BOW-PT-06**	SM 4500-S2D-2011	934148		
92794440003	**BOW-INW-01**	SM 4500-S2D-2011	934148		
92794440004	**BOW-AP1-FD-01**	SM 4500-S2D-2011	934148		
92794440005	**BOW-AP1-FB-01**	SM 4500-S2D-2011	934148		
92794440006	**BOW-AP1-EB-01**	SM 4500-S2D-2011	934148		
92794440007	**BOW-PT-04**	SM 4500-S2D-2011	934148		
92794440008	**BOW-PT-05**	SM 4500-S2D-2011	934148		
92794440001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	933670		
92794440002	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	933670		
92794440003	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	933670		
92794440004	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	933670		
92794440005	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	933670		
92794440006	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	933670		
92794440007	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	933670		
92794440008	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	933670		
92794440001	**BOW-PT-02**	EPA 3005A	934546	EPA 6020B	935090
92794440002	**BOW-PT-06**	EPA 3005A	934546	EPA 6020B	935090
92794440003	**BOW-INW-01**	EPA 3005A	934546	EPA 6020B	935090
92794440004	**BOW-AP1-FD-01**	EPA 3005A	934546	EPA 6020B	935090
92794440005	**BOW-AP1-FB-01**	EPA 3005A	934546	EPA 6020B	935090
92794440006	**BOW-AP1-EB-01**	EPA 3005A	934546	EPA 6020B	935090

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Week 1
Pace Project No.: 92794440

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92794440007	**BOW-PT-04**	EPA 3005A	934546	EPA 6020B	935090
92794440008	**BOW-PT-05**	EPA 3005A	934546	EPA 6020B	935090
92794440001	**BOW-PT-02**	EPA 7470A	934748	EPA 7470A	935100
92794440002	**BOW-PT-06**	EPA 7470A	934748	EPA 7470A	935100
92794440003	**BOW-INW-01**	EPA 7470A	934748	EPA 7470A	935100
92794440004	**BOW-AP1-FD-01**	EPA 7470A	934748	EPA 7470A	935100
92794440005	**BOW-AP1-FB-01**	EPA 7470A	934748	EPA 7470A	935100
92794440006	**BOW-AP1-EB-01**	EPA 7470A	934748	EPA 7470A	935100
92794440007	**BOW-PT-04**	EPA 7470A	934748	EPA 7470A	935100
92794440008	**BOW-PT-05**	EPA 7470A	934748	EPA 7470A	935100

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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: Gc Power

Project #:

WO# : 92794440

92794440

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: 5/5 JML

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

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? -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# : 92794440

PM: BV Due Date: 05/20/25

CLIENT: 92-GP-BOWLF

Project #

*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-)	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 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)	AGDU-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							1																						
10							1																						
11							1																						
12							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

Page 2 of 2

Pace® Location Requested (City/State):

Pace Analytical Charlotte
5000 Sunny 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 WorkorderLogin Label Here

92794440

Scan QR Code for instructions

Company Name: Georgia Power - Bowen

Street Address: 241 Ralph McGill Blvd NE, Bin 10160, 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 CA Week 1

Site Collection Info/Facility ID (as applicable):

Invoice to: Account Payable

Invoice E-mail: georgiapowerinvoices@southernco.com

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 Vann; Acct Num / Client ID:; Table #:; Profile / Template: 16507; Prolog / Bottle Ord. ID: EZ 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, Cl	4500S2D Sulfide	*Appendix III, IV – Additional Metals	Sample Comment	Preservation non-conformance identified for sample
BOW-PT-02	WG	G			5/2/25	1227	6			X	X	X	X	X	001	
BOW-PT-04	WG	G					6			X	X	X	X	X		
BOW-PT-05	WG	G					6			X	X	X	X	X		
BOW-PT-06	WG	G			5/2/25	1420	6			X	X	X	X	X	002	
BOW-INW-01	WG	G			5/2/25	1027	6			X	X	X	X	X	003	
BOW-AP1-FD-01	WG	G			5/2/25	—	6			X	X	X	X	X	004	
BOW-AP1-FB-01	WQ	G			5/2/25	1415	6			X	X	X	X	X	005	
BOW-AP1-EB-01	WQ	G			5/2/25	1511	6			X	X	X	X	X	006	

Additional Instructions from Pace®:

Task Code: BOW-CCR-CA-20250501

*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

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	5/5/25 0830	Pace	5/6/25 0930
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 5/6/25 1430
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-CORC-0019_v02_110121 ©

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, Minlao 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 Week 1	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:

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

* 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	Sample Comment
BOW-PT-02	WG	G					6			X	X	X	X	X	
BOW-PT-04	WG	G			5/1/25	1446	6			X	X	X	X	X	007
BOW-PT-05	WG	G			5/1/25	1610	6			X	X	X	X	X	008
BOW-PT-06	WG	G					6			X	X	X	X	X	
BOW-INW-01	WG	G					6			X	X	X	X	X	
BOW-AP1-FD-01	WG	G					6			X	X	X	X	X	
BOW-AP1-FB-01	WQ	G					6			X	X	X	X	X	
BOW-AP1-EB-01	WQ	G					6			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 3252077

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Task Code: BCW-CCR-CA-20250501

*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

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	5/5/25 0830	Ryan Will / Pace	5/5/25 0930	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 5/5/25 1736	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

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ENV-FRM-CORC-0019_v02_110123

Task Code: BOW-CCR-CA-20250428-0901

Report to: Kristen Jurinko, Geosyntec Group

PO# GPC95642-0004

Location Code	Unit	Matrix Code	Parameters							
			APPENDIX III [Boron, Calcium, Chloride, Fluoride, Sulfate, TDS]	APPENDIX IV [Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium]	Geochemical Parameters [Bicarb. alkalinity, Total alkalinity, Iron, Magnesium, Manganese, Potassium, Sodium, Sulfide]	250-mL HNO3 (Metals)	250-mL unpreserved (Ions & Alkalinity)	500-mL unpreserved (TDS)	125-mL ZnAc + NaOH (Sulfide)	Total per kit
BOW-PT-02	AP-1	WG	X	X	X	2	2	1	1	6
BOW-PT-04	AP-1	WG	X	X	X	2	2	1	1	6
BOW-PT-05	AP-1	WG	X	X	X	2	2	1	1	6
BOW-PT-06	AP-1	WG	X	X	X	2	2	1	1	6
BOW-INW-01	AP-1	WG	X	X	X	2	2	1	1	6
BOW-AP1-FD-01	AP-1	WG	X	X	X	2	2	1	1	6
BOW-AP1-FB-01	AP-1	WQ	X	X	X	2	2	1	1	6
BOW-AP1-EB-01	AP-1	WQ	X	X	X	2	2	1	1	6
Extra 1			X	X	X	2	2	1	1	6
Extra 2			X	X	X	2	2	1	1	6
						20	20	10	10	60

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

June 20, 2025

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

RE: Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on May 16, 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: Report revised to have the lab re-run Cobalt at a 1x dilution to meet the standard reporting limits/GWPS.

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

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

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
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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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92797266001	**BOW-PT-02**	Water	05/15/25 14:40	05/16/25 15:37
92797266002	**BOW-PT-04**	Water	05/16/25 11:50	05/16/25 15:37
92797266003	**BOW-PT-05**	Water	05/15/25 12:53	05/16/25 15:37
92797266004	**BOW-PT-06**	Water	05/15/25 14:56	05/16/25 15:37
92797266005	**BOW-INW-01**	Water	05/16/25 10:55	05/16/25 15:37
92797266006	**BOW-AP1-FD-01**	Water	05/15/25 00:00	05/16/25 15:37
92797266007	**BOW-AP1-FB-01**	Water	05/15/25 16:05	05/16/25 15:37
92797266008	**BOW-AP1-EB-01**	Water	05/15/25 16:11	05/16/25 15:37

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92797266001	**BOW-PT-02**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266002	**BOW-PT-04**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266003	**BOW-PT-05**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266004	**BOW-PT-06**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266005	**BOW-INW-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266006	**BOW-AP1-FD-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266007	**BOW-AP1-FB-01**	EPA 6020B	UNP	1	PAN

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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
92797266008	**BOW-AP1-EB-01**	EPA 6020B	UNP	1	PAN
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	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

PAN = Pace National - Mt. Juliet
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 Week 3
Pace Project No.: 92797266

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92797266001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00922J	mg/L	0.0300	05/30/25 22:41	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	352	mg/L	5.0	05/27/25 15:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	352	mg/L	5.0	05/27/25 15:57	
SM 2540C-2015	Total Dissolved Solids	1100	mg/L	125	05/21/25 10:13	
EPA 300.0 Rev 2.1 1993	Chloride	211	mg/L	5.0	05/17/25 19:17	
EPA 300.0 Rev 2.1 1993	Fluoride	0.25	mg/L	0.10	05/17/25 17:15	
EPA 300.0 Rev 2.1 1993	Sulfate	202	mg/L	5.0	05/17/25 19:17	
EPA 6020B	Boron	1.5	mg/L	0.40	06/03/25 17:16	
EPA 6020B	Calcium	42.6	mg/L	10.0	06/04/25 11:29	
EPA 7470A	Mercury	0.000097J	mg/L	0.00020	05/30/25 20:56	
92797266002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00810J	mg/L	0.0300	05/30/25 22:44	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	785	mg/L	5.0	05/27/25 19:05	
SM 2320B-2011	Alkalinity, Total as CaCO3	785	mg/L	5.0	05/27/25 19:05	
SM 2540C-2015	Total Dissolved Solids	1740	mg/L	125	05/21/25 10:15	
EPA 300.0 Rev 2.1 1993	Chloride	257	mg/L	7.0	05/17/25 19:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.23	mg/L	0.10	05/17/25 17:31	
EPA 300.0 Rev 2.1 1993	Sulfate	242	mg/L	7.0	05/17/25 19:33	
EPA 6020B	Barium	0.067	mg/L	0.050	06/03/25 17:26	
EPA 6020B	Boron	9.7	mg/L	2.0	06/04/25 13:36	
EPA 6020B	Calcium	138	mg/L	10.0	06/04/25 11:38	
EPA 6020B	Cobalt	0.0053	mg/L	0.0050	06/11/25 18:39	
EPA 6020B	Molybdenum	0.050J	mg/L	0.10	06/03/25 17:26	
92797266003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00629J	mg/L	0.0300	05/30/25 22:47	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	5.0	05/27/25 16:05	
SM 2320B-2011	Alkalinity, Total as CaCO3	263	mg/L	5.0	05/27/25 16:05	
SM 2540C-2015	Total Dissolved Solids	1170	mg/L	125	05/21/25 10:13	
EPA 300.0 Rev 2.1 1993	Chloride	257	mg/L	6.0	05/17/25 20:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	05/17/25 17:46	
EPA 300.0 Rev 2.1 1993	Sulfate	231	mg/L	6.0	05/17/25 20:18	
EPA 6020B	Barium	0.055	mg/L	0.050	06/03/25 17:35	
EPA 6020B	Boron	8.5	mg/L	2.0	06/04/25 13:45	
EPA 6020B	Calcium	249	mg/L	10.0	06/04/25 11:47	
EPA 6020B	Cobalt	0.0055	mg/L	0.0050	06/11/25 18:48	
92797266004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00597J	mg/L	0.0300	05/30/25 22:50	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	5.0	05/27/25 16:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	242	mg/L	5.0	05/27/25 16:13	
SM 2540C-2015	Total Dissolved Solids	1760	mg/L	125	05/21/25 10:13	
EPA 300.0 Rev 2.1 1993	Chloride	359	mg/L	9.0	05/17/25 20:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	05/17/25 18:01	
EPA 300.0 Rev 2.1 1993	Sulfate	262	mg/L	9.0	05/17/25 20:33	
EPA 6020B	Barium	0.087	mg/L	0.050	06/03/25 17:44	
EPA 6020B	Boron	9.8	mg/L	2.0	06/04/25 13:54	
EPA 6020B	Calcium	298	mg/L	50.0	06/04/25 13:54	

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SUMMARY OF DETECTION

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92797266004	**BOW-PT-06**					
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	06/11/25 18:57	
92797266005	**BOW-INW-01**					
EPA 6020B	Lithium	0.0111J	mg/L	0.0300	05/29/25 18:58	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	576	mg/L	5.0	05/27/25 19:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	576	mg/L	5.0	05/27/25 19:14	M1
SM 2540C-2015	Total Dissolved Solids	1810	mg/L	125	05/21/25 10:15	
EPA 300.0 Rev 2.1 1993	Chloride	305	mg/L	8.0	05/17/25 20:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.31	mg/L	0.10	05/17/25 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	266	mg/L	8.0	05/17/25 20:48	
EPA 6020B	Barium	0.10	mg/L	0.050	06/03/25 18:02	
EPA 6020B	Boron	10.3	mg/L	2.0	06/04/25 14:03	M1
EPA 6020B	Calcium	247	mg/L	10.0	06/04/25 12:05	M1
EPA 6020B	Cobalt	0.0015J	mg/L	0.0050	06/11/25 19:06	
EPA 6020B	Molybdenum	0.087J	mg/L	0.10	06/03/25 18:02	
92797266006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00921J	mg/L	0.0300	05/29/25 19:01	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	351	mg/L	5.0	05/27/25 16:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	351	mg/L	5.0	05/27/25 16:21	M1
SM 2540C-2015	Total Dissolved Solids	1180	mg/L	50.0	05/21/25 10:13	
EPA 300.0 Rev 2.1 1993	Chloride	211	mg/L	5.0	05/17/25 21:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	05/17/25 18:32	
EPA 300.0 Rev 2.1 1993	Sulfate	202	mg/L	5.0	05/17/25 21:03	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	06/04/25 13:08	
EPA 6020B	Barium	0.054	mg/L	0.0050	06/04/25 13:08	
EPA 6020B	Boron	8.4	mg/L	4.0	06/04/25 17:58	
EPA 6020B	Cadmium	0.00013J	mg/L	0.00050	06/04/25 13:08	
EPA 6020B	Calcium	184	mg/L	10.0	06/04/25 18:08	
EPA 6020B	Molybdenum	0.048	mg/L	0.010	06/04/25 13:08	
EPA 6020B	Selenium	0.0026J	mg/L	0.0050	06/04/25 13:08	
EPA 6020B	Thallium	0.00051J	mg/L	0.0010	06/04/25 13:08	B

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-PT-02 **Lab ID: 92797266001** Collected: 05/15/25 14:40 Received: 05/16/25 15:37 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	**0.00922J**	mg/L	0.0300	0.000600	1	05/28/25 13:38	05/30/25 22:41	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**352**	mg/L	5.0	5.0	1		05/27/25 15:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 15:57		
Alkalinity, Total as CaCO3	**352**	mg/L	5.0	5.0	1		05/27/25 15:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1100**	mg/L	125	125	1		05/21/25 10:13		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**211**	mg/L	5.0	3.0	5		05/17/25 19:17	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.050	1		05/17/25 17:15	16984-48-8	
Sulfate	**202**	mg/L	5.0	2.5	5		05/17/25 19:17	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	05/23/25 12:48	06/03/25 17:16	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:16	7440-38-2	
Barium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:16	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	05/23/25 12:48	06/03/25 17:16	7440-41-7	
Boron	**1.5**	mg/L	0.40	0.062	10	05/23/25 12:48	06/03/25 17:16	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	05/23/25 12:48	06/03/25 17:16	7440-43-9	
Calcium	**42.6**	mg/L	10.0	1.0	10	05/23/25 12:48	06/04/25 11:29	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 18:29	7440-48-4	
Lead	ND	mg/L	0.010	0.0025	10	05/23/25 12:48	06/03/25 17:16	7439-92-1	
Molybdenum	ND	mg/L	0.10	0.025	10	05/23/25 12:48	06/03/25 17:16	7439-98-7	
Selenium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/04/25 11:29	7782-49-2	
Thallium	ND	mg/L	0.010	0.0015	10	05/23/25 12:48	06/03/25 17:16	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.000097J**	mg/L	0.00020	0.000091	1	05/30/25 17:18	05/30/25 20:56	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-PT-04 **Lab ID: 92797266002** Collected: 05/16/25 11:50 Received: 05/16/25 15:37 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	**0.00810J**	mg/L	0.0300	0.000600	1	05/28/25 13:38	05/30/25 22:44	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**785**	mg/L	5.0	5.0	1		05/27/25 19:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 19:05		
Alkalinity, Total as CaCO3	**785**	mg/L	5.0	5.0	1		05/27/25 19:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1740**	mg/L	125	125	1		05/21/25 10:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**257**	mg/L	7.0	4.2	7		05/17/25 19:33	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.050	1		05/17/25 17:31	16984-48-8	
Sulfate	**242**	mg/L	7.0	3.5	7		05/17/25 19:33	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	05/23/25 12:48	06/03/25 17:26	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:26	7440-38-2	
Barium	**0.067**	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:26	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	05/23/25 12:48	06/03/25 17:26	7440-41-7	
Boron	**9.7**	mg/L	2.0	0.31	50	05/23/25 12:48	06/04/25 13:36	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	05/23/25 12:48	06/03/25 17:26	7440-43-9	
Calcium	**138**	mg/L	10.0	1.0	10	05/23/25 12:48	06/04/25 11:38	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:26	7440-47-3	
Cobalt	**0.0053**	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 18:39	7440-48-4	
Lead	ND	mg/L	0.010	0.0025	10	05/23/25 12:48	06/03/25 17:26	7439-92-1	
Molybdenum	**0.050J**	mg/L	0.10	0.025	10	05/23/25 12:48	06/03/25 17:26	7439-98-7	
Selenium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/04/25 11:38	7782-49-2	
Thallium	ND	mg/L	0.010	0.0015	10	05/23/25 12:48	06/03/25 17:26	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	05/30/25 17:18	05/30/25 20:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-PT-05 **Lab ID: 92797266003** Collected: 05/15/25 12:53 Received: 05/16/25 15:37 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	**0.00629J**	mg/L	0.0300	0.000600	1	05/28/25 13:38	05/30/25 22:47	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	5.0	5.0	1		05/27/25 16:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 16:05		
Alkalinity, Total as CaCO3	**263**	mg/L	5.0	5.0	1		05/27/25 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1170**	mg/L	125	125	1		05/21/25 10:13		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**257**	mg/L	6.0	3.6	6		05/17/25 20:18	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.050	1		05/17/25 17:46	16984-48-8	
Sulfate	**231**	mg/L	6.0	3.0	6		05/17/25 20:18	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	05/23/25 12:48	06/03/25 17:35	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:35	7440-38-2	
Barium	**0.055**	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:35	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	05/23/25 12:48	06/03/25 17:35	7440-41-7	
Boron	**8.5**	mg/L	2.0	0.31	50	05/23/25 12:48	06/04/25 13:45	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	05/23/25 12:48	06/03/25 17:35	7440-43-9	
Calcium	**249**	mg/L	10.0	1.0	10	05/23/25 12:48	06/04/25 11:47	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:35	7440-47-3	
Cobalt	**0.0055**	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 18:48	7440-48-4	
Lead	ND	mg/L	0.010	0.0025	10	05/23/25 12:48	06/03/25 17:35	7439-92-1	
Molybdenum	ND	mg/L	0.10	0.025	10	05/23/25 12:48	06/03/25 17:35	7439-98-7	
Selenium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/04/25 11:47	7782-49-2	
Thallium	ND	mg/L	0.010	0.0015	10	05/23/25 12:48	06/03/25 17:35	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	05/30/25 17:18	05/30/25 21:01	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-PT-06 **Lab ID: 92797266004** Collected: 05/15/25 14:56 Received: 05/16/25 15:37 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	**0.00597J**	mg/L	0.0300	0.000600	1	05/28/25 13:38	05/30/25 22:50	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**242**	mg/L	5.0	5.0	1		05/27/25 16:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 16:13		
Alkalinity, Total as CaCO3	**242**	mg/L	5.0	5.0	1		05/27/25 16:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1760**	mg/L	125	125	1		05/21/25 10:13		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**359**	mg/L	9.0	5.4	9		05/17/25 20:33	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		05/17/25 18:01	16984-48-8	
Sulfate	**262**	mg/L	9.0	4.5	9		05/17/25 20:33	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	05/23/25 12:48	06/03/25 17:44	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:44	7440-38-2	
Barium	**0.087**	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:44	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	05/23/25 12:48	06/03/25 17:44	7440-41-7	
Boron	**9.8**	mg/L	2.0	0.31	50	05/23/25 12:48	06/04/25 13:54	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	05/23/25 12:48	06/03/25 17:44	7440-43-9	
Calcium	**298**	mg/L	50.0	5.0	50	05/23/25 12:48	06/04/25 13:54	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 17:44	7440-47-3	
Cobalt	**0.0026J**	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 18:57	7440-48-4	
Lead	ND	mg/L	0.010	0.0025	10	05/23/25 12:48	06/03/25 17:44	7439-92-1	
Molybdenum	ND	mg/L	0.10	0.025	10	05/23/25 12:48	06/03/25 17:44	7439-98-7	
Selenium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/04/25 11:56	7782-49-2	
Thallium	ND	mg/L	0.010	0.0015	10	05/23/25 12:48	06/03/25 17:44	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	05/30/25 17:18	05/30/25 21:14	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-INW-01 **Lab ID: 92797266005** Collected: 05/16/25 10:55 Received: 05/16/25 15:37 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	**0.0111J**	mg/L	0.0300	0.000600	1	05/27/25 18:09	05/29/25 18:58	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**576**	mg/L	5.0	5.0	1		05/27/25 19:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 19:14		
Alkalinity, Total as CaCO3	**576**	mg/L	5.0	5.0	1		05/27/25 19:14		M1
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1810**	mg/L	125	125	1		05/21/25 10:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**305**	mg/L	8.0	4.8	8		05/17/25 20:48	16887-00-6	
Fluoride	**0.31**	mg/L	0.10	0.050	1		05/17/25 18:17	16984-48-8	
Sulfate	**266**	mg/L	8.0	4.0	8		05/17/25 20:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	05/23/25 12:48	06/03/25 18:02	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 18:02	7440-38-2	
Barium	**0.10**	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 18:02	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	05/23/25 12:48	06/03/25 18:02	7440-41-7	
Boron	**10.3**	mg/L	2.0	0.31	50	05/23/25 12:48	06/04/25 14:03	7440-42-8	M1
Cadmium	ND	mg/L	0.0050	0.0012	10	05/23/25 12:48	06/03/25 18:02	7440-43-9	
Calcium	**247**	mg/L	10.0	1.0	10	05/23/25 12:48	06/04/25 12:05	7440-70-2	M1
Chromium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/03/25 18:02	7440-47-3	
Cobalt	**0.0015J**	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 19:06	7440-48-4	
Lead	ND	mg/L	0.010	0.0025	10	05/23/25 12:48	06/03/25 18:02	7439-92-1	
Molybdenum	**0.087J**	mg/L	0.10	0.025	10	05/23/25 12:48	06/03/25 18:02	7439-98-7	
Selenium	ND	mg/L	0.050	0.012	10	05/23/25 12:48	06/04/25 12:05	7782-49-2	
Thallium	ND	mg/L	0.010	0.0015	10	05/23/25 12:48	06/03/25 18:02	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	05/30/25 17:18	05/30/25 21:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-AP1-FD-01 **Lab ID: 92797266006** Collected: 05/15/25 00:00 Received: 05/16/25 15:37 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	**0.00921J**	mg/L	0.0300	0.000600	1	05/27/25 18:09	05/29/25 19:01	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**351**	mg/L	5.0	5.0	1		05/27/25 16:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 16:21		
Alkalinity, Total as CaCO3	**351**	mg/L	5.0	5.0	1		05/27/25 16:21		M1
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1180**	mg/L	50.0	50.0	1		05/21/25 10:13		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**211**	mg/L	5.0	3.0	5		05/17/25 21:03	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.050	1		05/17/25 18:32	16984-48-8	
Sulfate	**202**	mg/L	5.0	2.5	5		05/17/25 21:03	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.0017J**	mg/L	0.0030	0.00050	1	05/23/25 12:48	06/04/25 13:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/04/25 13:08	7440-38-2	
Barium	**0.054**	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/04/25 13:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/23/25 12:48	06/04/25 13:08	7440-41-7	
Boron	**8.4**	mg/L	4.0	0.62	100	05/23/25 12:48	06/04/25 17:58	7440-42-8	
Cadmium	**0.00013J**	mg/L	0.00050	0.00012	1	05/23/25 12:48	06/04/25 13:08	7440-43-9	
Calcium	**184**	mg/L	10.0	1.0	10	05/23/25 12:48	06/04/25 18:08	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/04/25 13:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 19:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	05/23/25 12:48	06/04/25 13:08	7439-92-1	
Molybdenum	**0.048**	mg/L	0.010	0.0025	1	05/23/25 12:48	06/04/25 13:08	7439-98-7	
Selenium	**0.0026J**	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/04/25 13:08	7782-49-2	
Thallium	**0.00051J**	mg/L	0.0010	0.00015	1	05/23/25 12:48	06/04/25 13:08	7440-28-0	B
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	05/30/25 17:18	05/30/25 21:19	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-AP1-FB-01 **Lab ID: 92797266007** Collected: 05/15/25 16:05 Received: 05/16/25 15:37 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	05/27/25 18:09	05/29/25 19:05	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		05/23/25 15:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/23/25 15:14		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		05/23/25 15:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		05/21/25 10:15		
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		05/17/25 11:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		05/17/25 11:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		05/17/25 11:38	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	05/23/25 12:48	06/03/25 21:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/03/25 21:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/03/25 21:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/23/25 12:48	06/03/25 21:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	05/23/25 12:48	06/03/25 21:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/23/25 12:48	06/03/25 21:31	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	05/23/25 12:48	06/04/25 13:18	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/03/25 21:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 20:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	05/23/25 12:48	06/03/25 21:31	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	05/23/25 12:48	06/03/25 21:31	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/04/25 13:18	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	05/23/25 12:48	06/03/25 21:31	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	05/30/25 17:18	05/30/25 21:21	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Sample: BOW-AP1-EB-01 **Lab ID: 92797266008** Collected: 05/15/25 16:11 Received: 05/16/25 15:37 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	05/27/25 18:09	05/29/25 19:08	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		05/27/25 15:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/27/25 15:53		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		05/27/25 15:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		05/21/25 10:15		
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		05/17/25 11:53	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		05/17/25 11:53	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		05/17/25 11:53	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	05/23/25 12:48	06/03/25 21:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/03/25 21:40	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/03/25 21:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	05/23/25 12:48	06/03/25 21:40	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	05/23/25 12:48	06/03/25 21:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	05/23/25 12:48	06/03/25 21:40	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	05/23/25 12:48	06/04/25 13:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/03/25 21:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/11/25 20:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	05/23/25 12:48	06/03/25 21:40	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	05/23/25 12:48	06/03/25 21:40	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	05/23/25 12:48	06/04/25 13:27	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	05/23/25 12:48	06/03/25 21:40	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	05/30/25 17:18	05/30/25 21:24	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 2523697
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004

METHOD BLANK: R4223293-1 Matrix: Water
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	05/30/25 20:44	

LABORATORY CONTROL SAMPLE: R4223293-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0536	107	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4223293-4 R4223293-5

Parameter	Units	L1860227-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0639	0.0500	0.0500	0.114	0.112	101	95.5	75.0-125	2.36	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4223293-6 R4223293-7

Parameter	Units	L1860229-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0635	0.0500	0.0500	0.109	0.115	91.0	103	75.0-125	5.49	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 2523698 — Analysis Method: EPA 6020B
QC Batch Method: 3015 — Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92797266005, 92797266006, 92797266007, 92797266008

METHOD BLANK: R4222719-1 Matrix: Water
Associated Lab Samples: 92797266005, 92797266006, 92797266007, 92797266008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	05/29/25 18:40	

LABORATORY CONTROL SAMPLE: R4222719-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0518	104	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4222719-4 R4222719-5

Parameter	Units	L1860287-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00223	0.0500	0.0500	0.0546	0.0540	105	103	75.0-125	1.11	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 937509
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92797266007

METHOD BLANK: 4818129 Matrix: Water
Associated Lab Samples: 92797266007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	05/23/25 12:56	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	05/23/25 12:56	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	05/23/25 12:56	

LABORATORY CONTROL SAMPLE: 4818130

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: 4818131

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: 4818132 4818133

Parameter	Units	92796638002 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	8170	50	50	8250	8270	167	200	80-120	0	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4818134 4818135

Parameter	Units	92796566006 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	16900	50	50	17100	17000	333	267	80-120	0	25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 937757 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92797266001, 92797266003, 92797266004, 92797266006, 92797266008

METHOD BLANK: 4819745 Matrix: Water
Associated Lab Samples: 92797266001, 92797266003, 92797266004, 92797266006, 92797266008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	05/27/25 13:01	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	05/27/25 13:01	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	05/27/25 13:01	

LABORATORY CONTROL SAMPLE: 4819746

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

LABORATORY CONTROL SAMPLE: 4819747

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: 4819748 4819749

Parameter	Units	92796904004 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	6400	50	50	6460	6460	135	135	80-120	0	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4819750 4819751

Parameter	Units	92797266006 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	351	50	50	382	384	62	65	80-120	0	25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 937916
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92797266002, 92797266005

METHOD BLANK: 4820400 Matrix: Water
Associated Lab Samples: 92797266002, 92797266005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	05/27/25 16:37	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	05/27/25 16:37	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	05/27/25 16:37	

LABORATORY CONTROL SAMPLE: 4820401

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

LABORATORY CONTROL SAMPLE: 4820402

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: 4820403 4820404

Parameter	Units	92797266005 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	576	50	50	628	653	103	153	80-120	4	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4820405 4820406

Parameter	Units	92797609001 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	399	50	50	441	449	84	100	80-120	2	25	

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(704)875-9092

QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 936776 | 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: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

METHOD BLANK: 4814223 Matrix: Water
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	05/21/25 10:12	

LABORATORY CONTROL SAMPLE: 4814224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	248	99	90-110	

SAMPLE DUPLICATE: 4814225

Parameter	Units	92797142001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	31000	30500	2	25	

SAMPLE DUPLICATE: 4814226

Parameter	Units	92797178001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2020	2120	5	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 936189
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: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

METHOD BLANK: 4811244 Matrix: Water
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	05/17/25 11:07	
Fluoride	mg/L	ND	0.10	0.050	05/17/25 11:07	
Sulfate	mg/L	ND	1.0	0.50	05/17/25 11:07	

LABORATORY CONTROL SAMPLE: 4811245

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	98	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4811246 4811247

Parameter	Units	92797117001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	43.3	50	50	92.0	92.1	97	97	90-110	0	10	
Fluoride	mg/L	0.48	2.5	2.5	3.0	3.1	102	103	90-110	1	10	
Sulfate	mg/L	7.1	50	50	56.5	56.8	99	99	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4811248 4811249

Parameter	Units	92797212001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.6	50	50	51.8	56.2	98	107	90-110	8	10	
Fluoride	mg/L	0.15	2.5	2.5	2.6	2.8	97	107	90-110	9	10	
Sulfate	mg/L	44.6	50	50	93.7	98.0	98	107	90-110	4	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 937526
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

METHOD BLANK: 4818208 Matrix: Water
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	06/05/25 10:07	
Arsenic	mg/L	ND	0.0050	0.0012	06/05/25 10:07	
Barium	mg/L	ND	0.0050	0.0012	06/05/25 10:07	
Beryllium	mg/L	ND	0.00050	0.00015	06/05/25 10:07	
Boron	mg/L	ND	0.040	0.0062	06/05/25 10:07	
Cadmium	mg/L	ND	0.00050	0.00012	06/05/25 10:07	
Calcium	mg/L	ND	1.0	0.10	06/05/25 10:07	
Chromium	mg/L	ND	0.0050	0.0012	06/05/25 10:07	
Cobalt	mg/L	ND	0.0050	0.0012	06/05/25 10:07	
Lead	mg/L	ND	0.0010	0.00025	06/05/25 10:07	
Molybdenum	mg/L	ND	0.010	0.0025	06/05/25 10:07	
Selenium	mg/L	ND	0.0050	0.0012	06/05/25 10:07	
Thallium	mg/L	0.00018J	0.0010	0.00015	06/05/25 10:07	

LABORATORY CONTROL SAMPLE: 4818209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.05	0.048	96	80-120	
Arsenic	mg/L	0.05	0.046	93	80-120	
Barium	mg/L	0.05	0.050	100	80-120	
Beryllium	mg/L	0.05	0.047	94	80-120	
Boron	mg/L	0.05	0.048	96	80-120	
Cadmium	mg/L	0.05	0.047	93	80-120	
Calcium	mg/L	0.5	0.52J	104	80-120	
Chromium	mg/L	0.05	0.050	100	80-120	
Cobalt	mg/L	0.05	0.052	103	80-120	
Lead	mg/L	0.05	0.052	105	80-120	
Molybdenum	mg/L	0.05	0.056	111	80-120	
Selenium	mg/L	0.05	0.043	87	80-120	
Thallium	mg/L	0.05	0.049	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4818210 4818211

Parameter	Units	92797266005 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	0.05	0.05	0.051	0.051	101	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4818210 4818211

Parameter	Units	92797266005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.05	0.05	0.052	0.053	103	105	75-125	1	20	
Barium	mg/L	0.10	0.05	0.05	0.15	0.16	94	105	75-125	3	20	
Beryllium	mg/L	ND	0.05	0.05	0.044	0.048	88	95	75-125	9	20	
Boron	mg/L	10.3	0.05	0.05	9.8	10.3	-990	-16	75-125	5	20	M1
Cadmium	mg/L	ND	0.05	0.05	0.050	0.051	100	102	75-125	1	20	
Calcium	mg/L	247	0.5	0.5	237	270	-1960	4630	75-125	13	20	M1
Chromium	mg/L	ND	0.05	0.05	0.049J	0.050J	96	98	75-125		20	
Cobalt	mg/L	0.0015J	0.05	0.05	0.045	0.046	87	90	75-125	3	20	
Lead	mg/L	ND	0.05	0.05	0.049	0.050	99	101	75-125	2	20	
Molybdenum	mg/L	0.087J	0.05	0.05	0.14	0.15	113	118	75-125	2	20	
Selenium	mg/L	ND	0.05	0.05	0.052	0.056	101	109	75-125	8	20	
Thallium	mg/L	ND	0.05	0.05	0.047	0.047	93	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

QC Batch: 938924 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

METHOD BLANK: 4825645 Matrix: Water
Associated Lab Samples: 92797266001, 92797266002, 92797266003, 92797266004, 92797266005, 92797266006, 92797266007, 92797266008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	05/30/25 20:38	

LABORATORY CONTROL SAMPLE: 4825646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4825647 4825648

Parameter	Units	92796205001 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	95	96	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4825649 4825650

Parameter	Units	92797266003 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	98	100	80-120	2	20	

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QUALIFIERS

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

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

B	Analyte was detected in the associated method blank.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92797266001	**BOW-PT-02**	3015	2523697	EPA 6020B	2523697
92797266002	**BOW-PT-04**	3015	2523697	EPA 6020B	2523697
92797266003	**BOW-PT-05**	3015	2523697	EPA 6020B	2523697
92797266004	**BOW-PT-06**	3015	2523697	EPA 6020B	2523697
92797266005	**BOW-INW-01**	3015	2523698	EPA 6020B	2523698
92797266006	**BOW-AP1-FD-01**	3015	2523698	EPA 6020B	2523698
92797266007	**BOW-AP1-FB-01**	3015	2523698	EPA 6020B	2523698
92797266008	**BOW-AP1-EB-01**	3015	2523698	EPA 6020B	2523698
92797266001	**BOW-PT-02**	SM 2320B-2011	937757		
92797266002	**BOW-PT-04**	SM 2320B-2011	937916		
92797266003	**BOW-PT-05**	SM 2320B-2011	937757		
92797266004	**BOW-PT-06**	SM 2320B-2011	937757		
92797266005	**BOW-INW-01**	SM 2320B-2011	937916		
92797266006	**BOW-AP1-FD-01**	SM 2320B-2011	937757		
92797266007	**BOW-AP1-FB-01**	SM 2320B-2011	937509		
92797266008	**BOW-AP1-EB-01**	SM 2320B-2011	937757		
92797266001	**BOW-PT-02**	SM 2540C-2015	936776		
92797266002	**BOW-PT-04**	SM 2540C-2015	936776		
92797266003	**BOW-PT-05**	SM 2540C-2015	936776		
92797266004	**BOW-PT-06**	SM 2540C-2015	936776		
92797266005	**BOW-INW-01**	SM 2540C-2015	936776		
92797266006	**BOW-AP1-FD-01**	SM 2540C-2015	936776		
92797266007	**BOW-AP1-FB-01**	SM 2540C-2015	936776		
92797266008	**BOW-AP1-EB-01**	SM 2540C-2015	936776		
92797266001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	936189		
92797266002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	936189		
92797266003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	936189		
92797266004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	936189		
92797266005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	936189		
92797266006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	936189		
92797266007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	936189		
92797266008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	936189		
92797266001	**BOW-PT-02**	EPA 3005A	937526	EPA 6020B	939572
92797266002	**BOW-PT-04**	EPA 3005A	937526	EPA 6020B	939572
92797266003	**BOW-PT-05**	EPA 3005A	937526	EPA 6020B	939572
92797266004	**BOW-PT-06**	EPA 3005A	937526	EPA 6020B	939572
92797266005	**BOW-INW-01**	EPA 3005A	937526	EPA 6020B	939572
92797266006	**BOW-AP1-FD-01**	EPA 3005A	937526	EPA 6020B	939572
92797266007	**BOW-AP1-FB-01**	EPA 3005A	937526	EPA 6020B	939572
92797266008	**BOW-AP1-EB-01**	EPA 3005A	937526	EPA 6020B	939572
92797266001	**BOW-PT-02**	EPA 7470A	938924	EPA 7470A	938999
92797266002	**BOW-PT-04**	EPA 7470A	938924	EPA 7470A	938999
92797266003	**BOW-PT-05**	EPA 7470A	938924	EPA 7470A	938999

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 CA Week 3
Pace Project No.: 92797266

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92797266004	**BOW-PT-06**	EPA 7470A	938924	EPA 7470A	938999
92797266005	**BOW-INW-01**	EPA 7470A	938924	EPA 7470A	938999
92797266006	**BOW-AP1-FD-01**	EPA 7470A	938924	EPA 7470A	938999
92797266007	**BOW-AP1-FB-01**	EPA 7470A	938924	EPA 7470A	938999
92797266008	**BOW-AP1-EB-01**	EPA 7470A	938924	EPA 7470A	938999

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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# : 92797266

92797266

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 3

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kristen Jurinko, Mintao Lu, Marly 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): ~~GPC85642-0004~~ 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 [ ] 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

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 Metals	Sample Comment
BOW-PT-02	WG	G			5/15/25	1440	5			X	X	X	X	
BOW-PT-04	WG	G			5/16/25	1150	5			X	X	X	X	
BOW-PT-05	WG	G			5/15/25	1253	5			X	X	X	X	
BOW-PT-06	WG	G			5/15/25	1456	5			X	X	X	X	
BOW-INW-01	WG	G			5/16/25	1055	5			X	X	X	X	
BOW-AP1-FD-01	WG	G			5/15/25	—	5			X	X	X	X	
BOW-AP1-FB-01	WQ	G			5/15/25	1605	5			X	X	X	X	
BOW-AP1-EB-01	WQ	G			5/15/25	1611	5			X	X	X	X	

Specify Container Size**: 3 2 3 3

Identify Container Preservative Type***: 1 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

Lab Use Only

Proj. Mgr: Bonnie Vang

Acct Num / Client ID:

Table #:

Profile / Template: 16507

Prelog / Bottle Ord. ID: EZ 3252084

Preservation non-conformance identified for sample

Additional instructions from Pace®:

Task Code: BOW CCR CA ~~20250512~~ 20250515

*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

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	5/16/25 1537		5/16/25 1537	
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-CORO-0019_v03_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 ☑ ...

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

WO# : 92797266

PM: BV **Due Date: 06/03/25**

CLIENT: 92-GP-BOWLF

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: 5/16/25 DH

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: 1.7 Correction Factor: Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 1.1

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: 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

*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 (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		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

June 20, 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.: 92800255

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on June 04, 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: Report revised to have the lab re-run Cobalt at a 1x dilution to meet the standard reporting limits/GWPS.

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

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

CERTIFICATIONS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

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
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
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(704)875-9092

SAMPLE SUMMARY

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92800255001	**BOW-PT-02**	Water	06/03/25 13:24	06/04/25 12:48
92800255002	**BOW-PT-04**	Water	06/04/25 10:20	06/04/25 12:48
92800255003	**BOW-PT-05**	Water	06/03/25 11:08	06/04/25 12:48
92800255004	**BOW-PT-06**	Water	06/03/25 12:00	06/04/25 12:48
92800255005	**BOW-INW-01**	Water	06/03/25 13:35	06/04/25 12:48
92800255006	**BOW-AP1-FD-01**	Water	06/03/25 00:00	06/04/25 12:48
92800255007	**BOW-AP1-FB-01**	Water	06/04/25 11:00	06/04/25 12:48
92800255008	**BOW-AP1-EB-01**	Water	06/04/25 10:55	06/04/25 12:48

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92800255001	**BOW-PT-02**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255002	**BOW-PT-04**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255003	**BOW-PT-05**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255004	**BOW-PT-06**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255005	**BOW-INW-01**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255006	**BOW-AP1-FD-01**	EPA 6020B	LD	1	PAN
		SM 2320B-2011	YEG	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255007	**BOW-AP1-FB-01**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92800255008	**BOW-AP1-EB-01**	EPA 6020B	LD	1	PAN
		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	CDC	3	PASI-A
		EPA 6020B	BW, 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

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92800255001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00889J	mg/L	0.0300	06/12/25 21:35	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	205	mg/L	5.0	06/09/25 15:56	
SM 2320B-2011	Alkalinity, Total as CaCO3	205	mg/L	5.0	06/09/25 15:56	
SM 2540C-2015	Total Dissolved Solids	1160	mg/L	125	06/04/25 19:04	
EPA 300.0 Rev 2.1 1993	Chloride	247	mg/L	6.0	06/05/25 07:37	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.23	mg/L	0.10	06/05/25 02:14	
EPA 300.0 Rev 2.1 1993	Sulfate	232	mg/L	6.0	06/05/25 07:37	M1
EPA 6020B	Barium	0.052	mg/L	0.050	06/10/25 17:34	
EPA 6020B	Boron	7.0	mg/L	2.0	06/10/25 19:23	
EPA 6020B	Calcium	236	mg/L	10.0	06/10/25 17:34	
EPA 6020B	Cobalt	0.0025J	mg/L	0.0050	06/16/25 13:56	
EPA 6020B	Magnesium	42.0	mg/L	0.50	06/10/25 17:34	
EPA 6020B	Manganese	0.23J	mg/L	0.40	06/10/25 17:34	
EPA 6020B	Molybdenum	0.036J	mg/L	0.10	06/10/25 17:34	
EPA 6020B	Potassium	8.3	mg/L	5.0	06/10/25 17:34	
EPA 6020B	Sodium	72.6	mg/L	10.0	06/10/25 17:34	
EPA 7470A	Mercury	0.00042	mg/L	0.00020	06/10/25 11:13	
92800255002	**BOW-PT-04**					
EPA 6020B	Lithium	0.0101J	mg/L	0.0300	06/12/25 21:47	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	411	mg/L	5.0	06/09/25 17:31	
SM 2320B-2011	Alkalinity, Total as CaCO3	411	mg/L	5.0	06/09/25 17:31	
SM 2540C-2015	Total Dissolved Solids	1660	mg/L	125	06/04/25 19:04	
EPA 300.0 Rev 2.1 1993	Chloride	348	mg/L	8.0	06/05/25 08:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	06/05/25 03:49	
EPA 300.0 Rev 2.1 1993	Sulfate	306	mg/L	8.0	06/05/25 08:21	
EPA 6020B	Barium	0.091	mg/L	0.050	06/10/25 17:43	
EPA 6020B	Boron	9.6	mg/L	2.0	06/10/25 19:32	
EPA 6020B	Calcium	244	mg/L	10.0	06/10/25 17:43	
EPA 6020B	Cobalt	0.0098	mg/L	0.0050	06/16/25 14:01	
EPA 6020B	Iron	0.13J	mg/L	0.40	06/10/25 17:43	
EPA 6020B	Magnesium	51.8	mg/L	0.50	06/10/25 17:43	
EPA 6020B	Manganese	0.56	mg/L	0.40	06/10/25 17:43	
EPA 6020B	Molybdenum	0.026J	mg/L	0.10	06/10/25 17:43	
EPA 6020B	Potassium	10.0	mg/L	5.0	06/10/25 17:43	
EPA 6020B	Sodium	233	mg/L	10.0	06/10/25 17:43	
92800255003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00645J	mg/L	0.0300	06/12/25 21:50	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	5.0	06/09/25 16:31	
SM 2320B-2011	Alkalinity, Total as CaCO3	207	mg/L	5.0	06/09/25 16:31	
SM 2540C-2015	Total Dissolved Solids	1220	mg/L	125	06/04/25 19:04	
EPA 300.0 Rev 2.1 1993	Chloride	252	mg/L	6.0	06/05/25 08:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	06/05/25 04:04	
EPA 300.0 Rev 2.1 1993	Sulfate	232	mg/L	6.0	06/05/25 08:35	
EPA 6020B	Barium	0.043J	mg/L	0.050	06/10/25 17:52	
EPA 6020B	Boron	6.3	mg/L	2.0	06/10/25 19:41	
EPA 6020B	Calcium	216	mg/L	10.0	06/10/25 17:52	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92800255003	**BOW-PT-05**					
EPA 6020B	Cobalt	0.0073	mg/L	0.0050	06/16/25 14:05	
EPA 6020B	Iron	0.73	mg/L	0.40	06/10/25 17:52	
EPA 6020B	Magnesium	43.2	mg/L	0.50	06/10/25 17:52	
EPA 6020B	Manganese	1.1	mg/L	0.40	06/10/25 17:52	
EPA 6020B	Molybdenum	0.027J	mg/L	0.10	06/10/25 17:52	
EPA 6020B	Potassium	7.2	mg/L	5.0	06/10/25 17:52	
EPA 6020B	Sodium	49.0	mg/L	10.0	06/10/25 17:52	
92800255004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00531J	mg/L	0.0300	06/12/25 21:53	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	198	mg/L	5.0	06/09/25 16:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	198	mg/L	5.0	06/09/25 16:43	
SM 2540C-2015	Total Dissolved Solids	1620	mg/L	125	06/04/25 19:05	
SM 4500-S2D-2011	Sulfide	0.028J	mg/L	0.10	06/05/25 05:35	
EPA 300.0 Rev 2.1 1993	Chloride	420	mg/L	10.0	06/05/25 08:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	06/05/25 04:19	
EPA 300.0 Rev 2.1 1993	Sulfate	309	mg/L	10.0	06/05/25 08:50	
EPA 6020B	Barium	0.093	mg/L	0.050	06/10/25 18:01	
EPA 6020B	Boron	8.3	mg/L	2.0	06/10/25 19:50	
EPA 6020B	Calcium	316	mg/L	50.0	06/10/25 19:50	
EPA 6020B	Cobalt	0.0053	mg/L	0.0050	06/16/25 14:09	
EPA 6020B	Iron	1.5	mg/L	0.40	06/10/25 18:01	
EPA 6020B	Magnesium	75.7	mg/L	0.50	06/10/25 18:01	
EPA 6020B	Manganese	0.96	mg/L	0.40	06/10/25 18:01	
EPA 6020B	Potassium	13.7	mg/L	5.0	06/10/25 18:01	
EPA 6020B	Sodium	79.9	mg/L	10.0	06/10/25 18:01	
92800255005	**BOW-INW-01**					
EPA 6020B	Lithium	0.0115J	mg/L	0.0300	06/12/25 21:56	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	303	mg/L	5.0	06/09/25 17:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	303	mg/L	5.0	06/09/25 17:39	
SM 2540C-2015	Total Dissolved Solids	1760	mg/L	125	06/04/25 19:05	
EPA 300.0 Rev 2.1 1993	Chloride	424	mg/L	10.0	06/05/25 09:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.27	mg/L	0.10	06/05/25 04:34	
EPA 300.0 Rev 2.1 1993	Sulfate	359	mg/L	10.0	06/05/25 09:35	
EPA 6020B	Barium	0.10	mg/L	0.050	06/10/25 18:10	
EPA 6020B	Boron	10.4	mg/L	2.0	06/10/25 19:59	
EPA 6020B	Calcium	353	mg/L	50.0	06/10/25 19:59	
EPA 6020B	Cobalt	0.0050J	mg/L	0.0050	06/16/25 14:22	
EPA 6020B	Magnesium	57.2	mg/L	0.50	06/10/25 18:10	
EPA 6020B	Manganese	1.3	mg/L	0.40	06/10/25 18:10	
EPA 6020B	Molybdenum	0.070J	mg/L	0.10	06/10/25 18:10	
EPA 6020B	Potassium	11.7	mg/L	5.0	06/10/25 18:10	
EPA 6020B	Sodium	135	mg/L	10.0	06/10/25 18:10	
92800255006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.00610J	mg/L	0.0300	06/12/25 22:14	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	209	mg/L	5.0	06/09/25 17:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	209	mg/L	5.0	06/09/25 17:11	

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SUMMARY OF DETECTION

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92800255006	**BOW-AP1-FD-01**					
SM 2540C-2015	Total Dissolved Solids	1140	mg/L	125	06/04/25 19:05	
EPA 300.0 Rev 2.1 1993	Chloride	250	mg/L	6.0	06/05/25 12:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	06/05/25 04:49	
EPA 300.0 Rev 2.1 1993	Sulfate	121	mg/L	6.0	06/05/25 12:11	
EPA 6020B	Barium	0.048J	mg/L	0.050	06/10/25 18:19	
EPA 6020B	Boron	6.9	mg/L	2.0	06/10/25 20:08	M1
EPA 6020B	Calcium	243	mg/L	10.0	06/10/25 18:19	M1
EPA 6020B	Cobalt	0.0081	mg/L	0.0050	06/16/25 14:27	
EPA 6020B	Iron	0.79	mg/L	0.40	06/10/25 18:19	
EPA 6020B	Magnesium	48.4	mg/L	0.50	06/10/25 18:19	M1
EPA 6020B	Manganese	1.2	mg/L	0.40	06/10/25 18:19	M1
EPA 6020B	Molybdenum	0.030J	mg/L	0.10	06/10/25 18:19	
EPA 6020B	Potassium	7.9	mg/L	5.0	06/10/25 18:19	
EPA 6020B	Sodium	53.6	mg/L	10.0	06/10/25 18:19	M1
92800255007	**BOW-AP1-FB-01**					
EPA 6020B	Boron	0.028J	mg/L	0.040	06/10/25 21:12	
EPA 6020B	Calcium	0.88J	mg/L	1.0	06/09/25 18:58	
EPA 6020B	Magnesium	0.24	mg/L	0.050	06/10/25 21:12	
EPA 6020B	Manganese	0.0033J	mg/L	0.040	06/10/25 21:12	
EPA 6020B	Sodium	0.26J	mg/L	1.0	06/10/25 21:12	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-02 **Lab ID: 92800255001** Collected: 06/03/25 13:24 Received: 06/04/25 12:48 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	**0.00889J**	mg/L	0.0300	0.000600	1	06/12/25 01:22	06/12/25 21:35	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**205**	mg/L	5.0	5.0	1		06/09/25 15:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 15:56		
Alkalinity, Total as CaCO3	**205**	mg/L	5.0	5.0	1		06/09/25 15:56		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1160**	mg/L	125	125	1		06/04/25 19:04		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:34	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**247**	mg/L	6.0	3.6	6		06/05/25 07:37	16887-00-6	M1
Fluoride	**0.23**	mg/L	0.10	0.050	1		06/05/25 02:14	16984-48-8	
Sulfate	**232**	mg/L	6.0	3.0	6		06/05/25 07:37	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	0.030	0.0050	10	06/07/25 08:37	06/10/25 17:34	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:34	7440-38-2	
Barium	**0.052**	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:34	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	06/07/25 08:37	06/10/25 17:34	7440-41-7	
Boron	**7.0**	mg/L	2.0	0.31	50	06/07/25 08:37	06/10/25 19:23	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	06/07/25 08:37	06/10/25 17:34	7440-43-9	
Calcium	**236**	mg/L	10.0	1.0	10	06/07/25 08:37	06/10/25 17:34	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:34	7440-47-3	
Cobalt	**0.0025J**	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 13:56	7440-48-4	
Iron	ND	mg/L	0.40	0.12	10	06/07/25 08:37	06/10/25 17:34	7439-89-6	
Lead	ND	mg/L	0.010	0.0025	10	06/07/25 08:37	06/10/25 17:34	7439-92-1	
Magnesium	**42.0**	mg/L	0.50	0.10	10	06/07/25 08:37	06/10/25 17:34	7439-95-4	
Manganese	**0.23J**	mg/L	0.40	0.012	10	06/07/25 08:37	06/10/25 17:34	7439-96-5	
Molybdenum	**0.036J**	mg/L	0.10	0.025	10	06/07/25 08:37	06/10/25 17:34	7439-98-7	
Potassium	**8.3**	mg/L	5.0	1.0	10	06/07/25 08:37	06/10/25 17:34	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:34	7782-49-2	1g
Sodium	**72.6**	mg/L	10.0	1.5	10	06/07/25 08:37	06/10/25 17:34	7440-23-5	
Thallium	ND	mg/L	0.010	0.0015	10	06/07/25 08:37	06/10/25 17:34	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-02 **Lab ID: 92800255001** Collected: 06/03/25 13:24 Received: 06/04/25 12:48 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	**0.00042**	mg/L	0.00020	0.000091	1	06/10/25 06:42	06/10/25 11:13	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-04 **Lab ID: 92800255002** Collected: 06/04/25 10:20 Received: 06/04/25 12:48 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	**0.0101J**	mg/L	0.0300	0.000600	1	06/12/25 01:22	06/12/25 21:47	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**411**	mg/L	5.0	5.0	1		06/09/25 17:31		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 17:31		
Alkalinity, Total as CaCO3	**411**	mg/L	5.0	5.0	1		06/09/25 17:31		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1660**	mg/L	125	125	1		06/04/25 19:04		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:36	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**348**	mg/L	8.0	4.8	8		06/05/25 08:21	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.050	1		06/05/25 03:49	16984-48-8	
Sulfate	**306**	mg/L	8.0	4.0	8		06/05/25 08:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	06/07/25 08:37	06/10/25 17:43	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:43	7440-38-2	
Barium	**0.091**	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:43	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	06/07/25 08:37	06/10/25 17:43	7440-41-7	
Boron	**9.6**	mg/L	2.0	0.31	50	06/07/25 08:37	06/10/25 19:32	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	06/07/25 08:37	06/10/25 17:43	7440-43-9	
Calcium	**244**	mg/L	10.0	1.0	10	06/07/25 08:37	06/10/25 17:43	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:43	7440-47-3	
Cobalt	**0.0098**	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:01	7440-48-4	
Iron	**0.13J**	mg/L	0.40	0.12	10	06/07/25 08:37	06/10/25 17:43	7439-89-6	
Lead	ND	mg/L	0.010	0.0025	10	06/07/25 08:37	06/10/25 17:43	7439-92-1	
Magnesium	**51.8**	mg/L	0.50	0.10	10	06/07/25 08:37	06/10/25 17:43	7439-95-4	
Manganese	**0.56**	mg/L	0.40	0.012	10	06/07/25 08:37	06/10/25 17:43	7439-96-5	
Molybdenum	**0.026J**	mg/L	0.10	0.025	10	06/07/25 08:37	06/10/25 17:43	7439-98-7	
Potassium	**10.0**	mg/L	5.0	1.0	10	06/07/25 08:37	06/10/25 17:43	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:43	7782-49-2	1g
Sodium	**233**	mg/L	10.0	1.5	10	06/07/25 08:37	06/10/25 17:43	7440-23-5	
Thallium	ND	mg/L	0.010	0.0015	10	06/07/25 08:37	06/10/25 17:43	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-04 **Lab ID: 92800255002** Collected: 06/04/25 10:20 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-05 **Lab ID: 92800255003** Collected: 06/03/25 11:08 Received: 06/04/25 12:48 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	**0.00645J**	mg/L	0.0300	0.000600	1	06/12/25 01:22	06/12/25 21:50	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**207**	mg/L	5.0	5.0	1		06/09/25 16:31		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 16:31		
Alkalinity, Total as CaCO3	**207**	mg/L	5.0	5.0	1		06/09/25 16:31		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1220**	mg/L	125	125	1		06/04/25 19:04		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:34	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**252**	mg/L	6.0	3.6	6		06/05/25 08:35	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.050	1		06/05/25 04:04	16984-48-8	
Sulfate	**232**	mg/L	6.0	3.0	6		06/05/25 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	0.030	0.0050	10	06/07/25 08:37	06/10/25 17:52	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:52	7440-38-2	
Barium	**0.043J**	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:52	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	06/07/25 08:37	06/10/25 17:52	7440-41-7	
Boron	**6.3**	mg/L	2.0	0.31	50	06/07/25 08:37	06/10/25 19:41	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	06/07/25 08:37	06/10/25 17:52	7440-43-9	
Calcium	**216**	mg/L	10.0	1.0	10	06/07/25 08:37	06/10/25 17:52	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:52	7440-47-3	
Cobalt	**0.0073**	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:05	7440-48-4	
Iron	**0.73**	mg/L	0.40	0.12	10	06/07/25 08:37	06/10/25 17:52	7439-89-6	
Lead	ND	mg/L	0.010	0.0025	10	06/07/25 08:37	06/10/25 17:52	7439-92-1	
Magnesium	**43.2**	mg/L	0.50	0.10	10	06/07/25 08:37	06/10/25 17:52	7439-95-4	
Manganese	**1.1**	mg/L	0.40	0.012	10	06/07/25 08:37	06/10/25 17:52	7439-96-5	
Molybdenum	**0.027J**	mg/L	0.10	0.025	10	06/07/25 08:37	06/10/25 17:52	7439-98-7	
Potassium	**7.2**	mg/L	5.0	1.0	10	06/07/25 08:37	06/10/25 17:52	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 17:52	7782-49-2	1g
Sodium	**49.0**	mg/L	10.0	1.5	10	06/07/25 08:37	06/10/25 17:52	7440-23-5	
Thallium	ND	mg/L	0.010	0.0015	10	06/07/25 08:37	06/10/25 17:52	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-05 **Lab ID: 92800255003** Collected: 06/03/25 11:08 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:18	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-06 **Lab ID: 92800255004** Collected: 06/03/25 12:00 Received: 06/04/25 12:48 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	**0.00531J**	mg/L	0.0300	0.000600	1	06/12/25 01:22	06/12/25 21:53	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**198**	mg/L	5.0	5.0	1		06/09/25 16:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 16:43		
Alkalinity, Total as CaCO3	**198**	mg/L	5.0	5.0	1		06/09/25 16:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1620**	mg/L	125	125	1		06/04/25 19:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.028J**	mg/L	0.10	0.022	1		06/05/25 05:35	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**420**	mg/L	10.0	6.0	10		06/05/25 08:50	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		06/05/25 04:19	16984-48-8	
Sulfate	**309**	mg/L	10.0	5.0	10		06/05/25 08:50	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	06/07/25 08:37	06/10/25 18:01	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:01	7440-38-2	
Barium	**0.093**	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:01	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	06/07/25 08:37	06/10/25 18:01	7440-41-7	
Boron	**8.3**	mg/L	2.0	0.31	50	06/07/25 08:37	06/10/25 19:50	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	06/07/25 08:37	06/10/25 18:01	7440-43-9	
Calcium	**316**	mg/L	50.0	5.0	50	06/07/25 08:37	06/10/25 19:50	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:01	7440-47-3	
Cobalt	**0.0053**	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:09	7440-48-4	
Iron	**1.5**	mg/L	0.40	0.12	10	06/07/25 08:37	06/10/25 18:01	7439-89-6	
Lead	ND	mg/L	0.010	0.0025	10	06/07/25 08:37	06/10/25 18:01	7439-92-1	
Magnesium	**75.7**	mg/L	0.50	0.10	10	06/07/25 08:37	06/10/25 18:01	7439-95-4	
Manganese	**0.96**	mg/L	0.40	0.012	10	06/07/25 08:37	06/10/25 18:01	7439-96-5	
Molybdenum	ND	mg/L	0.10	0.025	10	06/07/25 08:37	06/10/25 18:01	7439-98-7	
Potassium	**13.7**	mg/L	5.0	1.0	10	06/07/25 08:37	06/10/25 18:01	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:01	7782-49-2	1g
Sodium	**79.9**	mg/L	10.0	1.5	10	06/07/25 08:37	06/10/25 18:01	7440-23-5	
Thallium	ND	mg/L	0.010	0.0015	10	06/07/25 08:37	06/10/25 18:01	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-PT-06 **Lab ID: 92800255004** Collected: 06/03/25 12:00 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:21	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-INW-01 **Lab ID: 92800255005** Collected: 06/03/25 13:35 Received: 06/04/25 12:48 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	**0.0115J**	mg/L	0.0300	0.000600	1	06/12/25 01:22	06/12/25 21:56	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**303**	mg/L	5.0	5.0	1		06/09/25 17:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 17:39		
Alkalinity, Total as CaCO3	**303**	mg/L	5.0	5.0	1		06/09/25 17:39		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1760**	mg/L	125	125	1		06/04/25 19:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:36	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**424**	mg/L	10.0	6.0	10		06/05/25 09:35	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.050	1		06/05/25 04:34	16984-48-8	
Sulfate	**359**	mg/L	10.0	5.0	10		06/05/25 09:35	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	06/07/25 08:37	06/10/25 18:10	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:10	7440-38-2	
Barium	**0.10**	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:10	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	06/07/25 08:37	06/10/25 18:10	7440-41-7	
Boron	**10.4**	mg/L	2.0	0.31	50	06/07/25 08:37	06/10/25 19:59	7440-42-8	
Cadmium	ND	mg/L	0.0050	0.0012	10	06/07/25 08:37	06/10/25 18:10	7440-43-9	
Calcium	**353**	mg/L	50.0	5.0	50	06/07/25 08:37	06/10/25 19:59	7440-70-2	
Chromium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:10	7440-47-3	
Cobalt	**0.0050J**	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:22	7440-48-4	
Iron	ND	mg/L	0.40	0.12	10	06/07/25 08:37	06/10/25 18:10	7439-89-6	
Lead	ND	mg/L	0.010	0.0025	10	06/07/25 08:37	06/10/25 18:10	7439-92-1	
Magnesium	**57.2**	mg/L	0.50	0.10	10	06/07/25 08:37	06/10/25 18:10	7439-95-4	
Manganese	**1.3**	mg/L	0.40	0.012	10	06/07/25 08:37	06/10/25 18:10	7439-96-5	
Molybdenum	**0.070J**	mg/L	0.10	0.025	10	06/07/25 08:37	06/10/25 18:10	7439-98-7	
Potassium	**11.7**	mg/L	5.0	1.0	10	06/07/25 08:37	06/10/25 18:10	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:10	7782-49-2	1g
Sodium	**135**	mg/L	10.0	1.5	10	06/07/25 08:37	06/10/25 18:10	7440-23-5	
Thallium	ND	mg/L	0.010	0.0015	10	06/07/25 08:37	06/10/25 18:10	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-INW-01 **Lab ID: 92800255005** Collected: 06/03/25 13:35 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:23	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-AP1-FD-01 **Lab ID: 92800255006** Collected: 06/03/25 00:00 Received: 06/04/25 12:48 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	**0.00610J**	mg/L	0.0300	0.000600	1	06/12/25 01:22	06/12/25 22:14	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**209**	mg/L	5.0	5.0	1		06/09/25 17:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 17:11		
Alkalinity, Total as CaCO3	**209**	mg/L	5.0	5.0	1		06/09/25 17:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1140**	mg/L	125	125	1		06/04/25 19:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:36	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**250**	mg/L	6.0	3.6	6		06/05/25 12:11	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.050	1		06/05/25 04:49	16984-48-8	
Sulfate	**121**	mg/L	6.0	3.0	6		06/05/25 12:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.030	0.0050	10	06/07/25 08:37	06/10/25 18:19	7440-36-0	
Arsenic	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:19	7440-38-2	
Barium	**0.048J**	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:19	7440-39-3	
Beryllium	ND	mg/L	0.0050	0.0015	10	06/07/25 08:37	06/10/25 18:19	7440-41-7	
Boron	**6.9**	mg/L	2.0	0.31	50	06/07/25 08:37	06/10/25 20:08	7440-42-8	M1
Cadmium	ND	mg/L	0.0050	0.0012	10	06/07/25 08:37	06/10/25 18:19	7440-43-9	
Calcium	**243**	mg/L	10.0	1.0	10	06/07/25 08:37	06/10/25 18:19	7440-70-2	M1
Chromium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:19	7440-47-3	
Cobalt	**0.0081**	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:27	7440-48-4	
Iron	**0.79**	mg/L	0.40	0.12	10	06/07/25 08:37	06/10/25 18:19	7439-89-6	
Lead	ND	mg/L	0.010	0.0025	10	06/07/25 08:37	06/10/25 18:19	7439-92-1	
Magnesium	**48.4**	mg/L	0.50	0.10	10	06/07/25 08:37	06/10/25 18:19	7439-95-4	M1
Manganese	**1.2**	mg/L	0.40	0.012	10	06/07/25 08:37	06/10/25 18:19	7439-96-5	M1
Molybdenum	**0.030J**	mg/L	0.10	0.025	10	06/07/25 08:37	06/10/25 18:19	7439-98-7	
Potassium	**7.9**	mg/L	5.0	1.0	10	06/07/25 08:37	06/10/25 18:19	7440-09-7	
Selenium	ND	mg/L	0.050	0.012	10	06/07/25 08:37	06/10/25 18:19	7782-49-2	1g
Sodium	**53.6**	mg/L	10.0	1.5	10	06/07/25 08:37	06/10/25 18:19	7440-23-5	M1
Thallium	ND	mg/L	0.010	0.0015	10	06/07/25 08:37	06/10/25 18:19	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-AP1-FD-01 **Lab ID: 92800255006** Collected: 06/03/25 00:00 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:26	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-AP1-FB-01 **Lab ID: 92800255007** Collected: 06/04/25 11:00 Received: 06/04/25 12:48 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	06/12/25 01:22	06/12/25 22:17	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		06/09/25 17:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 17:23		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		06/09/25 17:23		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/04/25 19:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:37	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		06/05/25 05:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/05/25 05:03	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/05/25 05:03	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	06/07/25 08:37	06/10/25 21:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:12	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/07/25 08:37	06/10/25 21:12	7440-41-7	
Boron	**0.028J**	mg/L	0.040	0.0062	1	06/07/25 08:37	06/10/25 21:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/07/25 08:37	06/10/25 21:12	7440-43-9	
Calcium	**0.88J**	mg/L	1.0	0.10	1	06/07/25 08:37	06/09/25 18:58	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:48	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	06/07/25 08:37	06/10/25 21:12	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/07/25 08:37	06/10/25 21:12	7439-92-1	
Magnesium	**0.24**	mg/L	0.050	0.010	1	06/07/25 08:37	06/10/25 21:12	7439-95-4	
Manganese	**0.0033J**	mg/L	0.040	0.0012	1	06/07/25 08:37	06/10/25 21:12	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	06/07/25 08:37	06/10/25 21:12	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	06/07/25 08:37	06/10/25 21:12	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:12	7782-49-2	
Sodium	**0.26J**	mg/L	1.0	0.15	1	06/07/25 08:37	06/10/25 21:12	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	06/07/25 08:37	06/10/25 21:12	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-AP1-FB-01 **Lab ID: 92800255007** Collected: 06/04/25 11:00 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:39	7439-97-6	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-AP1-EB-01 **Lab ID: 92800255008** Collected: 06/04/25 10:55 Received: 06/04/25 12:48 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	06/12/25 01:22	06/12/25 22:20	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		06/09/25 17:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/09/25 17:27		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		06/09/25 17:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/04/25 19:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/05/25 05:37	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		06/05/25 05:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/05/25 05:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/05/25 05:18	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	06/07/25 08:37	06/10/25 21:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:21	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/07/25 08:37	06/10/25 21:21	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	06/07/25 08:37	06/10/25 21:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/07/25 08:37	06/10/25 21:21	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	06/07/25 08:37	06/10/25 21:21	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/16/25 14:53	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	06/07/25 08:37	06/10/25 21:21	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/07/25 08:37	06/10/25 21:21	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	06/07/25 08:37	06/10/25 21:21	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	06/07/25 08:37	06/10/25 21:21	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	06/07/25 08:37	06/10/25 21:21	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	06/07/25 08:37	06/10/25 21:21	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	06/07/25 08:37	06/10/25 21:21	7782-49-2	
Sodium	ND	mg/L	1.0	0.15	1	06/07/25 08:37	06/10/25 21:21	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	06/07/25 08:37	06/10/25 21:21	7440-28-0	

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ANALYTICAL RESULTS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Sample: BOW-AP1-EB-01 **Lab ID: 92800255008** Collected: 06/04/25 10:55 Received: 06/04/25 12:48 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	06/10/25 06:42	06/10/25 11:41	7439-97-6	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 2534139 | Analysis Method: EPA 6020B
QC Batch Method: 3015 | Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: R4229645-1 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	06/12/25 21:28	

LABORATORY CONTROL SAMPLE: R4229645-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0474	94.8	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4229645-4 R4229645-5

Parameter	Units	92800255001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00889	0.0500	0.0500	0.0551	0.0547	92.5	91.6	75.0-125	0.788	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 939797
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: 4830012 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	06/09/25 15:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	06/09/25 15:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	06/09/25 15:38	

LABORATORY CONTROL SAMPLE: 4830013

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: 4830014

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: 4834760 4834761

Parameter	Units	92800255001 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	205	50	50	250	258	92	108	80-120	3	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 939836 | 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: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: 4830385 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	06/04/25 19:04	

LABORATORY CONTROL SAMPLE: 4830386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	264	106	90-110	

SAMPLE DUPLICATE: 4830387

Parameter	Units	92800255001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1160	1260	8	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 939876
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: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: 4830484 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	06/05/25 05:21	

LABORATORY CONTROL SAMPLE: 4830485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4830486 4830487

Parameter	Units	92800156001 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	0.52	0.53	103	105	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4830488 4830489

Parameter	Units	92800147005 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	0.42	0.41	80	79	80-120	1	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 939800
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: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: 4830030 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/04/25 21:41	
Fluoride	mg/L	ND	0.10	0.050	06/04/25 21:41	
Sulfate	mg/L	ND	1.0	0.50	06/04/25 21:41	

LABORATORY CONTROL SAMPLE: 4830031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.0	104	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	52.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4830032 4830033

Parameter	Units	92800255001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	247	50	50	286	289	76	83	90-110	1	10	M1
Fluoride	mg/L	0.23	2.5	2.5	2.7	2.7	97	100	90-110	2	10	
Sulfate	mg/L	232	50	50	271	274	77	84	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 940246
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: 4832429 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	06/10/25 17:16	
Arsenic	mg/L	ND	0.0050	0.0012	06/10/25 17:16	
Barium	mg/L	ND	0.0050	0.0012	06/10/25 17:16	
Beryllium	mg/L	ND	0.00050	0.00015	06/10/25 17:16	
Boron	mg/L	ND	0.040	0.0062	06/10/25 17:16	
Cadmium	mg/L	ND	0.00050	0.00012	06/10/25 17:16	
Calcium	mg/L	ND	1.0	0.10	06/10/25 17:16	
Chromium	mg/L	ND	0.0050	0.0012	06/10/25 17:16	
Cobalt	mg/L	ND	0.0050	0.0012	06/10/25 17:16	
Iron	mg/L	ND	0.040	0.012	06/10/25 17:16	
Lead	mg/L	ND	0.0010	0.00025	06/10/25 17:16	
Magnesium	mg/L	ND	0.050	0.010	06/10/25 17:16	
Manganese	mg/L	ND	0.040	0.0012	06/10/25 17:16	
Molybdenum	mg/L	ND	0.010	0.0025	06/10/25 17:16	
Potassium	mg/L	ND	0.50	0.10	06/10/25 17:16	
Selenium	mg/L	ND	0.0050	0.0012	06/10/25 17:16	
Sodium	mg/L	ND	1.0	0.15	06/10/25 17:16	
Thallium	mg/L	ND	0.0010	0.00015	06/10/25 17:16	

LABORATORY CONTROL SAMPLE: 4832430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.092	92	80-120	
Boron	mg/L	0.1	0.094	94	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	1.1	106	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Iron	mg/L	1	1.0	104	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Magnesium	mg/L	1	1.1	109	80-120	
Manganese	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.12	118	80-120	
Potassium	mg/L	1	1.1	114	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

LABORATORY CONTROL SAMPLE: 4832430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.094	94	80-120	
Sodium	mg/L	1	0.92J	92	80-120	
Thallium	mg/L	0.1	0.092	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4832431 4832432

Parameter	Units	92800255006 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	102	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.11	101	106	75-125	5	20	
Barium	mg/L	0.048J	0.1	0.1	0.15	0.15	101	101	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	5	20	
Boron	mg/L	6.9	0.1	0.1	7.0	7.1	100	187	75-125	1	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	105	75-125	4	20	
Calcium	mg/L	243	1	1	245	241	231	-160	75-125	2	20	M1
Chromium	mg/L	ND	0.1	0.1	0.097	0.10	96	101	75-125	5	20	
Cobalt	mg/L	0.0081	0.1	0.1	0.11	0.11	101	103	75-125	2	20	
Iron	mg/L	0.79	1	1	1.7	1.8	96	106	75-125	5	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	3	20	
Magnesium	mg/L	48.4	1	1	47.6	49.7	-76	128	75-125	4	20	M1
Manganese	mg/L	1.2	0.1	0.1	1.3	1.3	56	99	75-125	3	20	M1
Molybdenum	mg/L	0.030J	0.1	0.1	0.14	0.14	107	113	75-125	4	20	
Potassium	mg/L	7.9	1	1	8.7	8.9	80	101	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	102	75-125	3	20	
Sodium	mg/L	53.6	1	1	52.7	53.8	-88	23	75-125	2	20	M1
Thallium	mg/L	ND	0.1	0.1	0.086	0.088	85	88	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

QC Batch: 940245 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

METHOD BLANK: 4832425 Matrix: Water
Associated Lab Samples: 92800255001, 92800255002, 92800255003, 92800255004, 92800255005, 92800255006, 92800255007, 92800255008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	06/10/25 11:03	

LABORATORY CONTROL SAMPLE: 4832426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4832427 4832428

Parameter	Units	92800255006 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	96	105	80-120	9	20	

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QUALIFIERS

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

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	The continuing calibration verification (CCV) for this analyte is above laboratory acceptance limits. The analyte was not detected above the reporting limit in the associated sample.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1-CA-Week 6
Pace Project No.: 92800255

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92800255001	**BOW-PT-02**	3015	2534139	EPA 6020B	2534139
92800255002	**BOW-PT-04**	3015	2534139	EPA 6020B	2534139
92800255003	**BOW-PT-05**	3015	2534139	EPA 6020B	2534139
92800255004	**BOW-PT-06**	3015	2534139	EPA 6020B	2534139
92800255005	**BOW-INW-01**	3015	2534139	EPA 6020B	2534139
92800255006	**BOW-AP1-FD-01**	3015	2534139	EPA 6020B	2534139
92800255007	**BOW-AP1-FB-01**	3015	2534139	EPA 6020B	2534139
92800255008	**BOW-AP1-EB-01**	3015	2534139	EPA 6020B	2534139
92800255001	**BOW-PT-02**	SM 2320B-2011	939797		
92800255002	**BOW-PT-04**	SM 2320B-2011	939797		
92800255003	**BOW-PT-05**	SM 2320B-2011	939797		
92800255004	**BOW-PT-06**	SM 2320B-2011	939797		
92800255005	**BOW-INW-01**	SM 2320B-2011	939797		
92800255006	**BOW-AP1-FD-01**	SM 2320B-2011	939797		
92800255007	**BOW-AP1-FB-01**	SM 2320B-2011	939797		
92800255008	**BOW-AP1-EB-01**	SM 2320B-2011	939797		
92800255001	**BOW-PT-02**	SM 2540C-2015	939836		
92800255002	**BOW-PT-04**	SM 2540C-2015	939836		
92800255003	**BOW-PT-05**	SM 2540C-2015	939836		
92800255004	**BOW-PT-06**	SM 2540C-2015	939836		
92800255005	**BOW-INW-01**	SM 2540C-2015	939836		
92800255006	**BOW-AP1-FD-01**	SM 2540C-2015	939836		
92800255007	**BOW-AP1-FB-01**	SM 2540C-2015	939836		
92800255008	**BOW-AP1-EB-01**	SM 2540C-2015	939836		
92800255001	**BOW-PT-02**	SM 4500-S2D-2011	939876		
92800255002	**BOW-PT-04**	SM 4500-S2D-2011	939876		
92800255003	**BOW-PT-05**	SM 4500-S2D-2011	939876		
92800255004	**BOW-PT-06**	SM 4500-S2D-2011	939876		
92800255005	**BOW-INW-01**	SM 4500-S2D-2011	939876		
92800255006	**BOW-AP1-FD-01**	SM 4500-S2D-2011	939876		
92800255007	**BOW-AP1-FB-01**	SM 4500-S2D-2011	939876		
92800255008	**BOW-AP1-EB-01**	SM 4500-S2D-2011	939876		
92800255001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	939800		
92800255002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	939800		
92800255003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	939800		
92800255004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	939800		
92800255005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	939800		
92800255006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	939800		
92800255007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	939800		
92800255008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	939800		
92800255001	**BOW-PT-02**	EPA 3005A	940246	EPA 6020B	941202
92800255002	**BOW-PT-04**	EPA 3005A	940246	EPA 6020B	941202
92800255003	**BOW-PT-05**	EPA 3005A	940246	EPA 6020B	941202
92800255004	**BOW-PT-06**	EPA 3005A	940246	EPA 6020B	941202
92800255005	**BOW-INW-01**	EPA 3005A	940246	EPA 6020B	941202
92800255006	**BOW-AP1-FD-01**	EPA 3005A	940246	EPA 6020B	941202

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-Week 6
Pace Project No.: 92800255

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92800255007	**BOW-AP1-FB-01**	EPA 3005A	940246	EPA 6020B	941202
92800255008	**BOW-AP1-EB-01**	EPA 3005A	940246	EPA 6020B	941202
92800255001	**BOW-PT-02**	EPA 7470A	940245	EPA 7470A	941030
92800255002	**BOW-PT-04**	EPA 7470A	940245	EPA 7470A	941030
92800255003	**BOW-PT-05**	EPA 7470A	940245	EPA 7470A	941030
92800255004	**BOW-PT-06**	EPA 7470A	940245	EPA 7470A	941030
92800255005	**BOW-INW-01**	EPA 7470A	940245	EPA 7470A	941030
92800255006	**BOW-AP1-FD-01**	EPA 7470A	940245	EPA 7470A	941030
92800255007	**BOW-AP1-FB-01**	EPA 7470A	940245	EPA 7470A	941030
92800255008	**BOW-AP1-EB-01**	EPA 7470A	940245	EPA 7470A	941030

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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 Bowen

Project #:

WO# : 92800255

92800255

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: 6/4/25 gw

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 **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): 4.0

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? -Includes Date/Time/ID/Analysis Matrix: WG WQ	☑ 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:** _____

WO# : 92800255

PM: BV Due Date: 06/11/25

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 - Bowen 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)		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.

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

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: georglapowerInvoices@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 5 Day

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)

**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 2-, Cl-	4500S2D Sulfide	*Appendix III, IV + Additional Metals	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample
Specify Container Size **										3	2	3	4	3			
Identify Container Preservative Type***										1	1	1	5+6	2			
Analysis Requested																	
BOW-PT-02	WG	G			6/3/25	1324	6			X	X	X	X	X		001	
BOW-PT-04	WG	G			6/4/25	1020	6			X	X	X	X	X		002	
BOW-PT-05	WG	G			6/3/25	1104	6			X	X	X	X	X		003	
BOW-PT-06	WG	G			6/3/25	1200	6			X	X	X	X	X		004	
BOW-INW-01	WG	G			6/3/25	1335	6			X	X	X	X	X		005	
BOW-AP1-FD-01	WG	G			6/3/25	—	6			X	X	X	X	X		006	
BOW-AP1-FB-01	WQ	G			6/4/25	1100	6			X	X	X	X	X		007	
BOW-AP1-EB-01	WQ	G			6/4/25	1055	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 3286070

Additional Instructions from Pace®:

Task Code: BOW-CCR-CA-20250603

*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

Printed Name

Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards: 5 day turn around time

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	6/4/25 1248		6/4/25 1248	
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 ©

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

July 02, 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.: 92803284

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 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
(704)875-9092

CERTIFICATIONS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

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.: 92803284

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92803284001	**BOW-PT-02**	Water	06/18/25 11:05	06/19/25 13:00
92803284002	**BOW-PT-04**	Water	06/18/25 12:45	06/19/25 13:00
92803284003	**BOW-PT-05**	Water	06/17/25 13:58	06/19/25 13:00
92803284004	**BOW-PT-06**	Water	06/17/25 11:57	06/19/25 13:00
92803284005	**BOW-INW-01**	Water	06/18/25 13:36	06/19/25 13:00
92803284006	**BOW-AP1-FD-01**	Water	06/17/25 00:00	06/19/25 13:00
92803284007	**BOW-AP1-FB-01**	Water	06/17/25 15:35	06/19/25 13:00
92803284008	**BOW-AP1-EB-01**	Water	06/17/25 15:25	06/19/25 13:00

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

SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92803284001	**BOW-PT-02**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284002	**BOW-PT-04**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284003	**BOW-PT-05**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284004	**BOW-PT-06**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284005	**BOW-INW-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284006	**BOW-AP1-FD-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

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	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284007	**BOW-AP1-FB-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP	18	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92803284008	**BOW-AP1-EB-01**	EPA 6020B	JDB	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	MGW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	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: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92803284001	**BOW-PT-02**					
EPA 6020B	Lithium	0.00962J	mg/L	0.0300	07/01/25 12:37	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	174	mg/L	5.0	06/20/25 13:26	
SM 2320B-2011	Alkalinity, Total as CaCO3	174	mg/L	5.0	06/20/25 13:26	
SM 2540C-2015	Total Dissolved Solids	1490	mg/L	125	06/23/25 18:40	
EPA 300.0 Rev 2.1 1993	Chloride	251	mg/L	7.0	06/20/25 08:04	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	06/20/25 00:55	M1
EPA 300.0 Rev 2.1 1993	Sulfate	229	mg/L	7.0	06/20/25 08:04	M1
EPA 6020B	Barium	0.046	mg/L	0.0050	06/25/25 12:36	
EPA 6020B	Boron	7.7	mg/L	2.0	06/26/25 16:06	
EPA 6020B	Cadmium	0.00019J	mg/L	0.00050	06/25/25 12:36	
EPA 6020B	Calcium	273	mg/L	50.0	06/26/25 16:06	M1
EPA 6020B	Iron	0.076	mg/L	0.040	06/25/25 12:36	
EPA 6020B	Magnesium	41.2	mg/L	0.50	06/25/25 14:49	M1
EPA 6020B	Manganese	0.52	mg/L	0.40	06/25/25 14:49	
EPA 6020B	Molybdenum	0.045	mg/L	0.010	06/25/25 12:36	
EPA 6020B	Potassium	8.1	mg/L	0.50	06/25/25 12:36	
EPA 6020B	Selenium	0.0028J	mg/L	0.0050	06/25/25 12:36	
EPA 6020B	Sodium	78.4	mg/L	10.0	06/25/25 14:49	M1, R1
EPA 6020B	Thallium	0.00080J	mg/L	0.0010	06/25/25 12:36	5g
92803284002	**BOW-PT-04**					
EPA 6020B	Lithium	0.00894J	mg/L	0.0300	07/01/25 12:40	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	276	mg/L	5.0	06/20/25 13:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	276	mg/L	5.0	06/20/25 13:34	
SM 2540C-2015	Total Dissolved Solids	1560	mg/L	125	06/23/25 18:40	
EPA 300.0 Rev 2.1 1993	Chloride	281	mg/L	7.0	06/20/25 09:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	06/20/25 01:41	
EPA 300.0 Rev 2.1 1993	Sulfate	265	mg/L	7.0	06/20/25 09:19	
EPA 6020B	Barium	0.071	mg/L	0.0050	06/25/25 13:20	
EPA 6020B	Boron	9.5	mg/L	2.0	06/26/25 16:51	
EPA 6020B	Calcium	251	mg/L	10.0	06/25/25 16:10	
EPA 6020B	Cobalt	0.0051	mg/L	0.0050	06/25/25 13:20	
EPA 6020B	Iron	0.28	mg/L	0.040	06/25/25 13:20	
EPA 6020B	Magnesium	46.6	mg/L	0.50	06/25/25 16:10	
EPA 6020B	Manganese	0.64	mg/L	0.40	06/25/25 16:10	
EPA 6020B	Molybdenum	0.024	mg/L	0.010	06/25/25 13:20	
EPA 6020B	Potassium	9.5	mg/L	0.50	06/25/25 13:20	
EPA 6020B	Selenium	0.0032J	mg/L	0.0050	06/25/25 13:20	
EPA 6020B	Sodium	163	mg/L	10.0	06/25/25 16:10	
EPA 6020B	Thallium	0.00099J	mg/L	0.0010	06/25/25 13:20	5g
92803284003	**BOW-PT-05**					
EPA 6020B	Lithium	0.00578J	mg/L	0.0300	07/01/25 12:43	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	163	mg/L	5.0	06/20/25 13:42	
SM 2320B-2011	Alkalinity, Total as CaCO3	163	mg/L	5.0	06/20/25 13:42	
SM 2540C-2015	Total Dissolved Solids	1090	mg/L	50.0	06/21/25 12:28	
EPA 300.0 Rev 2.1 1993	Chloride	211	mg/L	6.0	06/20/25 09:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.25	mg/L	0.10	06/20/25 01:56	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92803284003	**BOW-PT-05**					
EPA 300.0 Rev 2.1 1993	Sulfate	196	mg/L	6.0	06/20/25 09:34	
EPA 6020B	Barium	0.038	mg/L	0.0050	06/25/25 13:29	
EPA 6020B	Boron	6.3	mg/L	2.0	06/26/25 17:00	
EPA 6020B	Calcium	225	mg/L	10.0	06/25/25 16:19	
EPA 6020B	Cobalt	0.0061	mg/L	0.0050	06/25/25 13:29	
EPA 6020B	Iron	0.48	mg/L	0.040	06/25/25 13:29	
EPA 6020B	Magnesium	40.5	mg/L	0.50	06/25/25 16:19	
EPA 6020B	Manganese	1.3	mg/L	0.40	06/25/25 16:19	
EPA 6020B	Molybdenum	0.034	mg/L	0.010	06/25/25 13:29	
EPA 6020B	Potassium	6.8	mg/L	0.50	06/25/25 13:29	
EPA 6020B	Selenium	0.0020J	mg/L	0.0050	06/25/25 13:29	
EPA 6020B	Sodium	25.4	mg/L	1.0	06/25/25 13:29	
EPA 6020B	Thallium	0.00036J	mg/L	0.0010	06/25/25 13:29	5g
92803284004	**BOW-PT-06**					
EPA 6020B	Lithium	0.00573J	mg/L	0.0300	07/01/25 12:47	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	215	mg/L	5.0	06/20/25 13:58	
SM 2320B-2011	Alkalinity, Total as CaCO3	215	mg/L	5.0	06/20/25 13:58	
SM 2540C-2015	Total Dissolved Solids	1870	mg/L	125	06/21/25 12:28	
EPA 300.0 Rev 2.1 1993	Chloride	419	mg/L	15.0	06/20/25 02:42	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	06/20/25 10:20	
EPA 300.0 Rev 2.1 1993	Sulfate	298	mg/L	15.0	06/20/25 02:42	
EPA 6020B	Barium	0.040	mg/L	0.0050	06/25/25 13:38	
EPA 6020B	Boron	6.2	mg/L	2.0	06/26/25 17:09	
EPA 6020B	Calcium	230	mg/L	10.0	06/25/25 16:27	
EPA 6020B	Cobalt	0.0063	mg/L	0.0050	06/25/25 13:38	
EPA 6020B	Iron	0.50	mg/L	0.040	06/25/25 13:38	
EPA 6020B	Magnesium	41.2	mg/L	0.50	06/25/25 16:27	
EPA 6020B	Manganese	1.2	mg/L	0.40	06/25/25 16:27	
EPA 6020B	Molybdenum	0.034	mg/L	0.010	06/25/25 13:38	
EPA 6020B	Potassium	6.9	mg/L	0.50	06/25/25 13:38	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	06/25/25 13:38	
EPA 6020B	Sodium	27.0	mg/L	1.0	06/25/25 13:38	
EPA 6020B	Thallium	0.00032J	mg/L	0.0010	06/25/25 13:38	5g
92803284005	**BOW-INW-01**					
EPA 6020B	Lithium	0.00540J	mg/L	0.0300	07/01/25 13:07	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	212	mg/L	5.0	06/20/25 14:06	
SM 2320B-2011	Alkalinity, Total as CaCO3	212	mg/L	5.0	06/20/25 14:06	
SM 2540C-2015	Total Dissolved Solids	1990	mg/L	125	06/23/25 18:41	
EPA 300.0 Rev 2.1 1993	Chloride	356	mg/L	9.0	06/20/25 09:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.29	mg/L	0.10	06/20/25 02:57	
EPA 300.0 Rev 2.1 1993	Sulfate	309	mg/L	9.0	06/20/25 09:49	
EPA 6020B	Arsenic	0.0026J	mg/L	0.0050	06/25/25 14:05	
EPA 6020B	Barium	0.092	mg/L	0.0050	06/25/25 14:05	
EPA 6020B	Boron	9.3	mg/L	2.0	06/26/25 17:18	
EPA 6020B	Calcium	350	mg/L	50.0	06/26/25 17:18	
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	06/25/25 14:05	

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SUMMARY OF DETECTION

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92803284005	**BOW-INW-01**					
EPA 6020B	Iron	1.4	mg/L	0.040	06/25/25 14:05	
EPA 6020B	Magnesium	80.7	mg/L	0.50	06/25/25 16:36	
EPA 6020B	Manganese	1.1	mg/L	0.40	06/25/25 16:36	
EPA 6020B	Molybdenum	0.011	mg/L	0.010	06/25/25 14:05	
EPA 6020B	Potassium	12.5	mg/L	0.50	06/25/25 14:05	
EPA 6020B	Selenium	0.0053	mg/L	0.0050	06/25/25 14:05	
EPA 6020B	Sodium	103	mg/L	50.0	06/26/25 17:18	
92803284006	**BOW-AP1-FD-01**					
EPA 6020B	Lithium	0.0112J	mg/L	0.0300	07/01/25 13:11	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	06/20/25 14:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	162	mg/L	5.0	06/20/25 14:13	
SM 2540C-2015	Total Dissolved Solids	1150	mg/L	50.0	06/21/25 12:29	
EPA 300.0 Rev 2.1 1993	Chloride	210	mg/L	6.0	06/20/25 10:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.25	mg/L	0.10	06/20/25 03:12	
EPA 300.0 Rev 2.1 1993	Sulfate	195	mg/L	6.0	06/20/25 10:04	
EPA 6020B	Barium	0.071	mg/L	0.0050	06/25/25 14:14	
EPA 6020B	Boron	10.4	mg/L	2.0	06/26/25 17:27	
EPA 6020B	Cadmium	0.00042J	mg/L	0.00050	06/25/25 14:14	
EPA 6020B	Calcium	355	mg/L	50.0	06/26/25 17:27	
EPA 6020B	Cobalt	0.0018J	mg/L	0.0050	06/25/25 14:14	
EPA 6020B	Iron	0.10	mg/L	0.040	06/25/25 14:14	
EPA 6020B	Magnesium	52.4	mg/L	0.50	06/25/25 16:45	
EPA 6020B	Manganese	1.7	mg/L	0.40	06/25/25 16:45	
EPA 6020B	Molybdenum	0.064	mg/L	0.010	06/25/25 14:14	
EPA 6020B	Potassium	10.2	mg/L	0.50	06/25/25 14:14	
EPA 6020B	Selenium	0.0043J	mg/L	0.0050	06/25/25 14:14	
EPA 6020B	Sodium	73.7	mg/L	50.0	06/26/25 17:27	
EPA 6020B	Thallium	0.00063J	mg/L	0.0010	06/25/25 14:14	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-02 **Lab ID: 92803284001** Collected: 06/18/25 11:05 Received: 06/19/25 13:00 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	**0.00962J**	mg/L	0.0300	0.000600	1	06/30/25 08:03	07/01/25 12:37	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**174**	mg/L	5.0	5.0	1		06/20/25 13:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 13:26		
Alkalinity, Total as CaCO3	**174**	mg/L	5.0	5.0	1		06/20/25 13:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1490**	mg/L	125	125	1		06/23/25 18:40		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**251**	mg/L	7.0	4.2	7		06/20/25 08:04	16887-00-6	M1
Fluoride	**0.26**	mg/L	0.10	0.050	1		06/20/25 00:55	16984-48-8	M1
Sulfate	**229**	mg/L	7.0	3.5	7		06/20/25 08:04	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	06/24/25 10:12	06/25/25 12:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 12:36	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 12:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 12:36	7440-41-7	
Boron	**7.7**	mg/L	2.0	0.31	50	06/24/25 10:12	06/26/25 16:06	7440-42-8	
Cadmium	**0.00019J**	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 12:36	7440-43-9	
Calcium	**273**	mg/L	50.0	5.0	50	06/24/25 10:12	06/26/25 16:06	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 12:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 12:36	7440-48-4	
Iron	**0.076**	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 12:36	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 12:36	7439-92-1	
Magnesium	**41.2**	mg/L	0.50	0.10	10	06/24/25 10:12	06/25/25 14:49	7439-95-4	M1
Manganese	**0.52**	mg/L	0.40	0.012	10	06/24/25 10:12	06/25/25 14:49	7439-96-5	
Molybdenum	**0.045**	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 12:36	7439-98-7	
Potassium	**8.1**	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 12:36	7440-09-7	
Selenium	**0.0028J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 12:36	7782-49-2	
Sodium	**78.4**	mg/L	10.0	1.5	10	06/24/25 10:12	06/25/25 14:49	7440-23-5	M1,R1
Thallium	**0.00080J**	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 12:36	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-02 **Lab ID: 92803284001** Collected: 06/18/25 11:05 Received: 06/19/25 13:00 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	07/02/25 08:38	07/02/25 12:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-04 **Lab ID: 92803284002** Collected: 06/18/25 12:45 Received: 06/19/25 13:00 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	**0.00894J**	mg/L	0.0300	0.000600	1	06/30/25 08:03	07/01/25 12:40	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**276**	mg/L	5.0	5.0	1		06/20/25 13:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 13:34		
Alkalinity, Total as CaCO3	**276**	mg/L	5.0	5.0	1		06/20/25 13:34		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1560**	mg/L	125	125	1		06/23/25 18:40		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**281**	mg/L	7.0	4.2	7		06/20/25 09:19	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		06/20/25 01:41	16984-48-8	
Sulfate	**265**	mg/L	7.0	3.5	7		06/20/25 09:19	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	06/24/25 10:12	06/25/25 13:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:20	7440-38-2	
Barium	**0.071**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 13:20	7440-41-7	
Boron	**9.5**	mg/L	2.0	0.31	50	06/24/25 10:12	06/26/25 16:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 13:20	7440-43-9	
Calcium	**251**	mg/L	10.0	1.0	10	06/24/25 10:12	06/25/25 16:10	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:20	7440-47-3	
Cobalt	**0.0051**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:20	7440-48-4	
Iron	**0.28**	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 13:20	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 13:20	7439-92-1	
Magnesium	**46.6**	mg/L	0.50	0.10	10	06/24/25 10:12	06/25/25 16:10	7439-95-4	
Manganese	**0.64**	mg/L	0.40	0.012	10	06/24/25 10:12	06/25/25 16:10	7439-96-5	
Molybdenum	**0.024**	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 13:20	7439-98-7	
Potassium	**9.5**	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 13:20	7440-09-7	
Selenium	**0.0032J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:20	7782-49-2	
Sodium	**163**	mg/L	10.0	1.5	10	06/24/25 10:12	06/25/25 16:10	7440-23-5	
Thallium	**0.00099J**	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 13:20	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-04 **Lab ID: 92803284002** Collected: 06/18/25 12:45 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:35	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-05 **Lab ID: 92803284003** Collected: 06/17/25 13:58 Received: 06/19/25 13:00 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	**0.00578J**	mg/L	0.0300	0.000600	1	06/30/25 08:03	07/01/25 12:43	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**163**	mg/L	5.0	5.0	1		06/20/25 13:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 13:42		
Alkalinity, Total as CaCO3	**163**	mg/L	5.0	5.0	1		06/20/25 13:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1090**	mg/L	50.0	50.0	1		06/21/25 12:28		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:05	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		06/20/25 09:34	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.050	1		06/20/25 01:56	16984-48-8	
Sulfate	**196**	mg/L	6.0	3.0	6		06/20/25 09:34	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	06/24/25 10:12	06/25/25 13:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:29	7440-38-2	
Barium	**0.038**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 13:29	7440-41-7	
Boron	**6.3**	mg/L	2.0	0.31	50	06/24/25 10:12	06/26/25 17:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 13:29	7440-43-9	
Calcium	**225**	mg/L	10.0	1.0	10	06/24/25 10:12	06/25/25 16:19	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:29	7440-47-3	
Cobalt	**0.0061**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:29	7440-48-4	
Iron	**0.48**	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 13:29	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 13:29	7439-92-1	
Magnesium	**40.5**	mg/L	0.50	0.10	10	06/24/25 10:12	06/25/25 16:19	7439-95-4	
Manganese	**1.3**	mg/L	0.40	0.012	10	06/24/25 10:12	06/25/25 16:19	7439-96-5	
Molybdenum	**0.034**	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 13:29	7439-98-7	
Potassium	**6.8**	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 13:29	7440-09-7	
Selenium	**0.0020J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:29	7782-49-2	
Sodium	**25.4**	mg/L	1.0	0.15	1	06/24/25 10:12	06/25/25 13:29	7440-23-5	
Thallium	**0.00036J**	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 13:29	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-05 **Lab ID: 92803284003** Collected: 06/17/25 13:58 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-06 **Lab ID: 92803284004** Collected: 06/17/25 11:57 Received: 06/19/25 13:00 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	**0.00573J**	mg/L	0.0300	0.000600	1	06/30/25 08:03	07/01/25 12:47	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**215**	mg/L	5.0	5.0	1		06/20/25 13:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 13:58		
Alkalinity, Total as CaCO3	**215**	mg/L	5.0	5.0	1		06/20/25 13:58		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1870**	mg/L	125	125	1		06/21/25 12:28		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:08	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**419**	mg/L	15.0	9.0	15		06/20/25 02:42	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		06/20/25 10:20	16984-48-8	
Sulfate	**298**	mg/L	15.0	7.5	15		06/20/25 02:42	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	06/24/25 10:12	06/25/25 13:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:38	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 13:38	7440-41-7	
Boron	**6.2**	mg/L	2.0	0.31	50	06/24/25 10:12	06/26/25 17:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 13:38	7440-43-9	
Calcium	**230**	mg/L	10.0	1.0	10	06/24/25 10:12	06/25/25 16:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:38	7440-47-3	
Cobalt	**0.0063**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:38	7440-48-4	
Iron	**0.50**	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 13:38	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 13:38	7439-92-1	
Magnesium	**41.2**	mg/L	0.50	0.10	10	06/24/25 10:12	06/25/25 16:27	7439-95-4	
Manganese	**1.2**	mg/L	0.40	0.012	10	06/24/25 10:12	06/25/25 16:27	7439-96-5	
Molybdenum	**0.034**	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 13:38	7439-98-7	
Potassium	**6.9**	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 13:38	7440-09-7	
Selenium	**0.0019J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 13:38	7782-49-2	
Sodium	**27.0**	mg/L	1.0	0.15	1	06/24/25 10:12	06/25/25 13:38	7440-23-5	
Thallium	**0.00032J**	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 13:38	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-PT-06 **Lab ID: 92803284004** Collected: 06/17/25 11:57 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:40	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-INW-01 **Lab ID: 92803284005** Collected: 06/18/25 13:36 Received: 06/19/25 13:00 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	**0.00540J**	mg/L	0.0300	0.000600	1	06/30/25 08:03	07/01/25 13:07	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**212**	mg/L	5.0	5.0	1		06/20/25 14:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 14:06		
Alkalinity, Total as CaCO3	**212**	mg/L	5.0	5.0	1		06/20/25 14:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1990**	mg/L	125	125	1		06/23/25 18:41		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**356**	mg/L	9.0	5.4	9		06/20/25 09:49	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.050	1		06/20/25 02:57	16984-48-8	
Sulfate	**309**	mg/L	9.0	4.5	9		06/20/25 09:49	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	06/24/25 10:12	06/25/25 14:05	7440-36-0	
Arsenic	**0.0026J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:05	7440-38-2	
Barium	**0.092**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 14:05	7440-41-7	
Boron	**9.3**	mg/L	2.0	0.31	50	06/24/25 10:12	06/26/25 17:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 14:05	7440-43-9	
Calcium	**350**	mg/L	50.0	5.0	50	06/24/25 10:12	06/26/25 17:18	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:05	7440-47-3	
Cobalt	**0.0026J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:05	7440-48-4	
Iron	**1.4**	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 14:05	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 14:05	7439-92-1	
Magnesium	**80.7**	mg/L	0.50	0.10	10	06/24/25 10:12	06/25/25 16:36	7439-95-4	
Manganese	**1.1**	mg/L	0.40	0.012	10	06/24/25 10:12	06/25/25 16:36	7439-96-5	
Molybdenum	**0.011**	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 14:05	7439-98-7	
Potassium	**12.5**	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 14:05	7440-09-7	
Selenium	**0.0053**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:05	7782-49-2	
Sodium	**103**	mg/L	50.0	7.5	50	06/24/25 10:12	06/26/25 17:18	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 14:05	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-INW-01 **Lab ID: 92803284005** Collected: 06/18/25 13:36 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:42	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-AP1-FD-01 **Lab ID: 92803284006** Collected: 06/17/25 00:00 Received: 06/19/25 13:00 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	**0.0112J**	mg/L	0.0300	0.000600	1	06/30/25 08:03	07/01/25 13:11	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**162**	mg/L	5.0	5.0	1		06/20/25 14:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 14:13		
Alkalinity, Total as CaCO3	**162**	mg/L	5.0	5.0	1		06/20/25 14:13		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1150**	mg/L	50.0	50.0	1		06/21/25 12:29		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:12	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**210**	mg/L	6.0	3.6	6		06/20/25 10:04	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.050	1		06/20/25 03:12	16984-48-8	
Sulfate	**195**	mg/L	6.0	3.0	6		06/20/25 10:04	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	06/24/25 10:12	06/25/25 14:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:14	7440-38-2	
Barium	**0.071**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 14:14	7440-41-7	
Boron	**10.4**	mg/L	2.0	0.31	50	06/24/25 10:12	06/26/25 17:27	7440-42-8	
Cadmium	**0.00042J**	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 14:14	7440-43-9	
Calcium	**355**	mg/L	50.0	5.0	50	06/24/25 10:12	06/26/25 17:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:14	7440-47-3	
Cobalt	**0.0018J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:14	7440-48-4	
Iron	**0.10**	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 14:14	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 14:14	7439-92-1	
Magnesium	**52.4**	mg/L	0.50	0.10	10	06/24/25 10:12	06/25/25 16:45	7439-95-4	
Manganese	**1.7**	mg/L	0.40	0.012	10	06/24/25 10:12	06/25/25 16:45	7439-96-5	
Molybdenum	**0.064**	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 14:14	7439-98-7	
Potassium	**10.2**	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 14:14	7440-09-7	
Selenium	**0.0043J**	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:14	7782-49-2	
Sodium	**73.7**	mg/L	50.0	7.5	50	06/24/25 10:12	06/26/25 17:27	7440-23-5	
Thallium	**0.00063J**	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 14:14	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-AP1-FD-01 **Lab ID: 92803284006** Collected: 06/17/25 00:00 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:45	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-AP1-FB-01 **Lab ID: 92803284007** Collected: 06/17/25 15:35 Received: 06/19/25 13:00 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	06/30/25 08:03	07/01/25 13:14	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		06/20/25 14:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 14:21		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		06/20/25 14:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/21/25 12:29		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:12	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		06/20/25 03:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/20/25 03:28	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/20/25 03:28	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	06/24/25 10:12	06/25/25 14:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:23	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 14:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	06/24/25 10:12	06/26/25 13:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 14:23	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	06/24/25 10:12	06/25/25 14:23	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:23	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 14:23	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 14:23	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	06/24/25 10:12	06/25/25 14:23	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	06/24/25 10:12	06/25/25 14:23	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 14:23	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 14:23	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:23	7782-49-2	
Sodium	ND	mg/L	1.0	0.15	1	06/24/25 10:12	06/25/25 14:23	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 14:23	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-AP1-FB-01 **Lab ID: 92803284007** Collected: 06/17/25 15:35 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:47	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-AP1-EB-01 **Lab ID: 92803284008** Collected: 06/17/25 15:25 Received: 06/19/25 13:00 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	06/30/25 08:03	07/01/25 13:17	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		06/20/25 14:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		06/20/25 14:25		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		06/20/25 14:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/21/25 12:29		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		06/23/25 19:12	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		06/20/25 03:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/20/25 03:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/20/25 03:43	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	06/24/25 10:12	06/25/25 14:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:32	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	06/24/25 10:12	06/25/25 14:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	06/24/25 10:12	06/26/25 13:52	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	06/24/25 10:12	06/25/25 14:32	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	06/24/25 10:12	06/25/25 14:32	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:32	7440-48-4	
Iron	ND	mg/L	0.040	0.012	1	06/24/25 10:12	06/25/25 14:32	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	06/24/25 10:12	06/25/25 14:32	7439-92-1	
Magnesium	ND	mg/L	0.050	0.010	1	06/24/25 10:12	06/25/25 14:32	7439-95-4	
Manganese	ND	mg/L	0.040	0.0012	1	06/24/25 10:12	06/25/25 14:32	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	06/24/25 10:12	06/25/25 14:32	7439-98-7	
Potassium	ND	mg/L	0.50	0.10	1	06/24/25 10:12	06/25/25 14:32	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	06/24/25 10:12	06/25/25 14:32	7782-49-2	
Sodium	ND	mg/L	1.0	0.15	1	06/24/25 10:12	06/25/25 14:32	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	06/24/25 10:12	06/25/25 14:32	7440-28-0	5g

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ANALYTICAL RESULTS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Sample: BOW-AP1-EB-01 **Lab ID: 92803284008** Collected: 06/17/25 15:25 Received: 06/19/25 13:00 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	06/27/25 17:44	06/27/25 20:50	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 2547149
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

METHOD BLANK: R4238784-1 Matrix: Water
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	07/01/25 11:35	

LABORATORY CONTROL SAMPLE: R4238784-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0448	89.7	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4238784-4 R4238784-5

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	0.0824	0.0840	90.7	93.7	75.0-125	1.83	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4238784-6 R4238784-7

Parameter	Units	L1872123-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00105	0.0500	0.0500	0.0465	0.0466	90.8	91.1	75.0-125	0.273	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 943303
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

METHOD BLANK: 4847806 Matrix: Water
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	06/20/25 11:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	06/20/25 11:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	06/20/25 11:40	

LABORATORY CONTROL SAMPLE: 4847807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.4	105	80-120	

LABORATORY CONTROL SAMPLE: 4847808

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4847809 4847810

Parameter	Units	92802190005 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	6.4	50	50	61.5	58.5	110	104	80-120	5	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4847811 4847812

Parameter	Units	92802190006 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	53.5	53.4	102	102	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 943491 | 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: 92803284003, 92803284004, 92803284006, 92803284007, 92803284008

METHOD BLANK: 4848927 Matrix: Water
Associated Lab Samples: 92803284003, 92803284004, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	2.5	2.5	06/21/25 12:27	

LABORATORY CONTROL SAMPLE: 4848928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	258	103	90-110	

SAMPLE DUPLICATE: 4848929

Parameter	Units	92803171001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	338	341	1	25	

SAMPLE DUPLICATE: 4848930

Parameter	Units	92803284007 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 CA Month 2
Pace Project No.: 92803284

QC Batch: 943657
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: 92803284001, 92803284002, 92803284005

METHOD BLANK: 4849781 Matrix: Water
Associated Lab Samples: 92803284001, 92803284002, 92803284005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	06/23/25 18:40	

LABORATORY CONTROL SAMPLE: 4849782

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

SAMPLE DUPLICATE: 4849783

Parameter	Units	92803284005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1990	2020	1	25	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 943645
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: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

METHOD BLANK: 4849659 Matrix: Water
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	06/23/25 19:03	

LABORATORY CONTROL SAMPLE: 4849660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4849661 4849662

Parameter	Units	92803284003 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	0.57	107	112	80-120	4	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4849663 4849664

Parameter	Units	92803319002 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	0.49	0.52	97	105	80-120	8	10	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 943142
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: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

METHOD BLANK: 4847353 Matrix: Water
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/20/25 00:24	
Fluoride	mg/L	ND	0.10	0.050	06/20/25 00:24	
Sulfate	mg/L	ND	1.0	0.50	06/20/25 00:24	

LABORATORY CONTROL SAMPLE: 4847354

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	2.5	101	90-110	
Sulfate	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4847355 4847356

Parameter	Units	92803284001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	251	50	50	296	288	91	74	90-110	3	10	M1
Fluoride	mg/L	0.26	2.5	2.5	3.0	3.1	108	113	90-110	4	10	M1
Sulfate	mg/L	229	50	50	275	268	91	77	90-110	3	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4847393 4847394

Parameter	Units	92803262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	50	50	51.2	51.7	100	101	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.7	102	104	90-110	1	10	
Sulfate	mg/L	1.7	50	50	51.5	52.2	100	101	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 943741
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

METHOD BLANK: 4850053 Matrix: Water
Associated Lab Samples: 92803284001, 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	06/25/25 12:18	
Arsenic	mg/L	ND	0.0050	0.0012	06/25/25 12:18	
Barium	mg/L	ND	0.0050	0.0012	06/25/25 12:18	
Beryllium	mg/L	ND	0.00050	0.00015	06/25/25 12:18	
Boron	mg/L	ND	0.040	0.0062	06/25/25 12:18	1g
Cadmium	mg/L	ND	0.00050	0.00012	06/25/25 12:18	
Calcium	mg/L	ND	1.0	0.10	06/25/25 12:18	
Chromium	mg/L	ND	0.0050	0.0012	06/25/25 12:18	
Cobalt	mg/L	ND	0.0050	0.0012	06/25/25 12:18	
Iron	mg/L	ND	0.040	0.012	06/25/25 12:18	
Lead	mg/L	ND	0.0010	0.00025	06/25/25 12:18	
Magnesium	mg/L	ND	0.050	0.010	06/25/25 12:18	
Manganese	mg/L	ND	0.040	0.0012	06/25/25 12:18	
Molybdenum	mg/L	ND	0.010	0.0025	06/25/25 12:18	
Potassium	mg/L	ND	0.50	0.10	06/25/25 12:18	
Selenium	mg/L	ND	0.0050	0.0012	06/25/25 12:18	
Sodium	mg/L	ND	1.0	0.15	06/25/25 12:18	
Thallium	mg/L	ND	0.0010	0.00015	06/25/25 12:18	4g

LABORATORY CONTROL SAMPLE: 4850054

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	0.094	94	80-120	
Barium	mg/L	0.1	0.093	93	80-120	
Beryllium	mg/L	0.1	0.090	90	80-120	
Boron	mg/L	0.1	0.089	89	80-120	
Cadmium	mg/L	0.1	0.093	93	80-120	
Calcium	mg/L	1	1.0J	100	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Iron	mg/L	1	0.98	98	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Magnesium	mg/L	1	0.97	97	80-120	
Manganese	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.12	120	80-120	2g
Potassium	mg/L	1	1.0	101	80-120	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

LABORATORY CONTROL SAMPLE: 4850054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.081	81	80-120	
Sodium	mg/L	1	0.94J	94	80-120	
Thallium	mg/L	0.1	0.10	104	80-120	3g

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4850055 4850056

Parameter	Units	92803284001 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	0.094	95	94	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.084	0.083	84	83	75-125	2	20	
Barium	mg/L	0.046	0.1	0.1	0.14	0.14	97	94	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.091	0.092	91	92	75-125	1	20	
Boron	mg/L	7.7	0.1	0.1	7.8	7.8	111	110	75-125	0	20	
Cadmium	mg/L	0.00019J	0.1	0.1	0.094	0.092	93	92	75-125	2	20	
Calcium	mg/L	273	1	1	279	273	555	-43	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.091	0.091	90	91	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.086	0.084	86	84	75-125	2	20	
Iron	mg/L	0.076	1	1	0.94	0.93	86	85	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.089	0.088	89	88	75-125	1	20	
Magnesium	mg/L	41.2	1	1	43.7	42.2	254	107	75-125	3	20	M1
Manganese	mg/L	0.52	0.1	0.1	0.63	0.62	111	100	75-125	2	20	
Molybdenum	mg/L	0.045	0.1	0.1	0.17	0.17	124	122	75-125	1	20	
Potassium	mg/L	8.1	1	1	9.1	9.1	102	106	75-125	1	20	
Selenium	mg/L	0.0028J	0.1	0.1	0.10	0.098	98	96	75-125	2	20	
Sodium	mg/L	78.4	1	1	87.0	64.9	859	-1350	75-125	29	20	M1,R1
Thallium	mg/L	0.00080J	0.1	0.1	0.10	0.10	100	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 943521 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

METHOD BLANK: 4849022 Matrix: Water
Associated Lab Samples: 92803284002, 92803284003, 92803284004, 92803284005, 92803284006, 92803284007, 92803284008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	06/27/25 20:30	

LABORATORY CONTROL SAMPLE: 4849023

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: 4855752 4855753

Parameter	Units	92803633025 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	0.0021	0.0021	104	104	80-120	1	20	

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QUALITY CONTROL DATA

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

QC Batch: 945448
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92803284001

METHOD BLANK: 4858504 Matrix: Water
Associated Lab Samples: 92803284001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	07/02/25 11:57	

LABORATORY CONTROL SAMPLE & LCSD: 4858505 4858506

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	mg/L	0.002	0.0019	0.0019	95	97	80-120	2	20	

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QUALIFIERS

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

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	The continuing calibration verification (CCV) for this analyte is above laboratory acceptance limits. The analyte was not detected above the reporting limit in the associated method blank.
2g	The percent readback for the same analyte was outside laboratory method acceptance limits (80-120%) in the low calibration standard (10 ug/L) at 122%. Since the LCS true value spike concentration for this analyte is 100 ug/L, the the calibration standard at 50 ug/L was used to measure control of the analyte. The percent readback for Mo in the 50 ug/L calibration standard was 96%.
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 non-detect.
5g	The same analyte was detected in an associated instrument blank at a concentration above the reporting limit. The concentration of the analyte in the sample was less than the reporting limit.
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 CA Month 2
Pace Project No.: 92803284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92803284001	**BOW-PT-02**	3015	2547149	EPA 6020B	2547149
92803284002	**BOW-PT-04**	3015	2547149	EPA 6020B	2547149
92803284003	**BOW-PT-05**	3015	2547149	EPA 6020B	2547149
92803284004	**BOW-PT-06**	3015	2547149	EPA 6020B	2547149
92803284005	**BOW-INW-01**	3015	2547149	EPA 6020B	2547149
92803284006	**BOW-AP1-FD-01**	3015	2547149	EPA 6020B	2547149
92803284007	**BOW-AP1-FB-01**	3015	2547149	EPA 6020B	2547149
92803284008	**BOW-AP1-EB-01**	3015	2547149	EPA 6020B	2547149
92803284001	**BOW-PT-02**	SM 2320B-2011	943303		
92803284002	**BOW-PT-04**	SM 2320B-2011	943303		
92803284003	**BOW-PT-05**	SM 2320B-2011	943303		
92803284004	**BOW-PT-06**	SM 2320B-2011	943303		
92803284005	**BOW-INW-01**	SM 2320B-2011	943303		
92803284006	**BOW-AP1-FD-01**	SM 2320B-2011	943303		
92803284007	**BOW-AP1-FB-01**	SM 2320B-2011	943303		
92803284008	**BOW-AP1-EB-01**	SM 2320B-2011	943303		
92803284001	**BOW-PT-02**	SM 2540C-2015	943657		
92803284002	**BOW-PT-04**	SM 2540C-2015	943657		
92803284003	**BOW-PT-05**	SM 2540C-2015	943491		
92803284004	**BOW-PT-06**	SM 2540C-2015	943491		
92803284005	**BOW-INW-01**	SM 2540C-2015	943657		
92803284006	**BOW-AP1-FD-01**	SM 2540C-2015	943491		
92803284007	**BOW-AP1-FB-01**	SM 2540C-2015	943491		
92803284008	**BOW-AP1-EB-01**	SM 2540C-2015	943491		
92803284001	**BOW-PT-02**	SM 4500-S2D-2011	943645		
92803284002	**BOW-PT-04**	SM 4500-S2D-2011	943645		
92803284003	**BOW-PT-05**	SM 4500-S2D-2011	943645		
92803284004	**BOW-PT-06**	SM 4500-S2D-2011	943645		
92803284005	**BOW-INW-01**	SM 4500-S2D-2011	943645		
92803284006	**BOW-AP1-FD-01**	SM 4500-S2D-2011	943645		
92803284007	**BOW-AP1-FB-01**	SM 4500-S2D-2011	943645		
92803284008	**BOW-AP1-EB-01**	SM 4500-S2D-2011	943645		
92803284001	**BOW-PT-02**	EPA 300.0 Rev 2.1 1993	943142		
92803284002	**BOW-PT-04**	EPA 300.0 Rev 2.1 1993	943142		
92803284003	**BOW-PT-05**	EPA 300.0 Rev 2.1 1993	943142		
92803284004	**BOW-PT-06**	EPA 300.0 Rev 2.1 1993	943142		
92803284005	**BOW-INW-01**	EPA 300.0 Rev 2.1 1993	943142		
92803284006	**BOW-AP1-FD-01**	EPA 300.0 Rev 2.1 1993	943142		
92803284007	**BOW-AP1-FB-01**	EPA 300.0 Rev 2.1 1993	943142		
92803284008	**BOW-AP1-EB-01**	EPA 300.0 Rev 2.1 1993	943142		
92803284001	**BOW-PT-02**	EPA 3005A	943741	EPA 6020B	944223
92803284002	**BOW-PT-04**	EPA 3005A	943741	EPA 6020B	944223
92803284003	**BOW-PT-05**	EPA 3005A	943741	EPA 6020B	944223
92803284004	**BOW-PT-06**	EPA 3005A	943741	EPA 6020B	944223
92803284005	**BOW-INW-01**	EPA 3005A	943741	EPA 6020B	944223

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen AP-1 CA Month 2
Pace Project No.: 92803284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92803284006	**BOW-AP1-FD-01**	EPA 3005A	943741	EPA 6020B	944223
92803284007	**BOW-AP1-FB-01**	EPA 3005A	943741	EPA 6020B	944223
92803284008	**BOW-AP1-EB-01**	EPA 3005A	943741	EPA 6020B	944223
92803284001	**BOW-PT-02**	EPA 7470A	945448	EPA 7470A	945539
92803284002	**BOW-PT-04**	EPA 7470A	943521	EPA 7470A	944891
92803284003	**BOW-PT-05**	EPA 7470A	943521	EPA 7470A	944891
92803284004	**BOW-PT-06**	EPA 7470A	943521	EPA 7470A	944891
92803284005	**BOW-INW-01**	EPA 7470A	943521	EPA 7470A	944891
92803284006	**BOW-AP1-FD-01**	EPA 7470A	943521	EPA 7470A	944891
92803284007	**BOW-AP1-FB-01**	EPA 7470A	943521	EPA 7470A	944891
92803284008	**BOW-AP1-EB-01**	EPA 7470A	943521	EPA 7470A	944891

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92803284

92803284

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 Month 2	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 5 day
	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						Sample Comment	Preservation non-conformance identified for sample
Specify Container Size **										3	2	3	4	3							
Identify Container Preservative Type***										1	1	1	5+6	2							
Analysis Requested																					
BOW-PT-02	WG	G			6/18/25	11:05	6			X	X	X	X	X							
BOW-PT-04	WG	G			6/18/25	1245	6			X	X	X	X	X							
BOW-PT-05	WG	G			6/17/25	13:58	6			X	X	X	X	X							
BOW-PT-06	WG	G			6/17/25	11:57	6			X	X	X	X	X							
BOW-INW-01	WG	G			6/18/25	13:36	6			X	X	X	X	X							
BOW-AP1-FD-01	WG	G			6/17/25	—	6			X	X	X	X	X							
BOW-AP1-FB-01	WQ	G			6/17/25	1535	6			X	X	X	X	X							
BOW-AP1-EB-01	WQ	G			6/17/25	1525	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, (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: 3267199

Additional Instructions from Pace® :
Task Code: BOW-CCR-CA-20250617
*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, Natalie Piparo, Shannon Northen
Printed Name
Signature

ENSAFE

Customer Remarks / Special Conditions / Possible Hazards: 5 day turnaround

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:
for Staff EnSafe	6/19/25 1057	Ryan Nilima / Pace	6/19/25 1057	
Ryan Nilima / Pace	6/19/25 1306		6/19/25 1306	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: GA Power

Project #:

WO#: 92803284
PM: BV **Due Date: 06/26/25**
CLIENT: 92-GP-BOWLF

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: 6/19/25 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: 5.5 **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): 5.5

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 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:** _____

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92803284
PM: BV Due Date: 06/26/25
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 ☐ Mech ... ersville ☐

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)	AGDU-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.

2X 250ml | 2X 250ml | 500mL | 125mL

Task Code: BOW-CCR-CA-20250617
Report to: Kristen Jurinko, Geosyntec Group
PO# GPC82474-0007

Location Code	Unit	Matrix Code	Parameters							
			APPENDIX III [Boron, Calcium, Chloride, Fluoride, Sulfate, TDS]	APPENDIX IV [Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium]	Geochemical Parameters [Bicarb. alkalinity, Total alkalinity, Iron, Magnesium, Manganese, Potassium, Sodium, Sulfide]	250-mL HNO3 (Metals)	250-mL unpreserved (Ions & Alkalinity)	500-mL unpreserved (TDS)	125-mL ZnAc + NaOH (Sulfide)	Total per kit
BOW-PT-02	AP-1	WG	X	X	X	2	2	1	1	6
BOW-PT-04	AP-1	WG	X	X	X	2	2	1	1	6
BOW-PT-05	AP-1	WG	X	X	X	2	2	1	1	6
BOW-PT-06	AP-1	WG	X	X	X	2	2	1	1	6
BOW-INW-01	AP-1	WG	X	X	X	2	2	1	1	6
BOW-AP1-FD-01	AP-1	WG	X	X	X	2	2	1	1	6
BOW-AP1-FB-01	AP-1	WQ	X	X	X	2	2	1	1	6
BOW-AP1-EB-01	AP-1	WQ	X	X	X	2	2	1	1	6
Extra 1			X	X	X	2	2	1	1	6
Extra 2			X	X	X	2	2	1	1	6
						20	20	10	10	60

10 Total