Prepared for

Georgia Power Company
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2025 SEMIANNUAL GROUNDWATER MONITORING & CORRECTIVE ACTION REPORT

PLANT BRANCH ASH POND E

Prepared by

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Project Number GW11514

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CERTIFICATION STATEMENT

This *2025 Semiannual Groundwater Monitoring and Corrective Action Report, Plant Branch Ash Pond E* has been prepared in compliance with 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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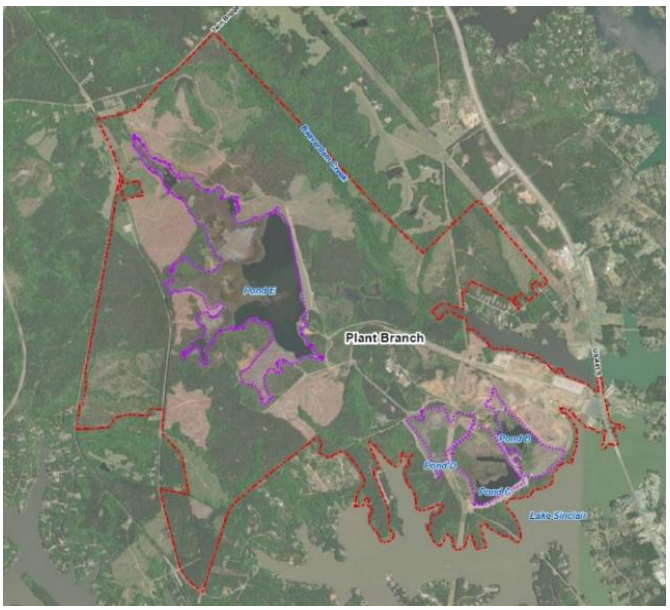
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SUMMARY

This summary of the *2025 Semiannual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective action program for the reporting period of July 2025 through December 2025 (referred herein as the "semiannual reporting period") at the Georgia Power Company (Georgia Power) Plant Branch Ash Pond E (AP-E) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, and by reference, Part A, Section 6[1] of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Branch is located at 1100 Milledgeville Road, approximately 8 miles north of Milledgeville in Putnam County, Georgia. Plant Branch formerly operated as a coal-fired electric generating facility until its decommissioning in July 2015, at which point it ceased producing electricity. CCR materials resulting from power generation were historically transferred and stored at five on-property ash ponds (AP-) (i.e., A, B, C, D, and E). Ash Pond A was taken out of service in the late 1960s and was closed by the removal of CCR materials in April 2016. Ash Ponds B, C, D, and E are inactive, and will be closed by removal and relocation of its stored CCR to a fully lined and permitted landfill located on the plant property. As required in the CCR Rule, this Semiannual Report describes the status of the groundwater monitoring program, summarizes key actions completed, describes any problems encountered, discusses actions to resolve the problems, and presents projected key activities for the upcoming year for AP-E. The other CCR unit (AP-BCD) at Plant Branch is reported separately.



Plant Branch and the Site

[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

Groundwater at the Site is monitored using a comprehensive well network that meets federal and state monitoring requirements. Routine sampling and reporting began after the background groundwater conditions were established between 2016 and 2018. Based on groundwater conditions at the Site, an assessment monitoring program was established on November 13, 2019, and the Site entered into an assessment of corrective measures on July 21, 2022. During the semiannual reporting period, 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 on February 28, 2025.

Site groundwater elevation measurements were recorded at monitoring wells and piezometers prior to the semiannual assessment monitoring event. The elevation data were used to confirm the groundwater flow direction, and to confirm that the groundwater monitoring well network for the CCR units remains sufficient to monitor groundwater downgradient of the unit.

During this reporting period, the semiannual assessment monitoring event for AP-E was conducted by Atlantic Coast Consulting (ACC) in August 2025. In order to meet the requirements of GA EPD Rule 391-3-4-.10(6) and 40 CFR 257.95 (b) and (d)(1), this semiannual assessment monitoring event included sampling and analysis of all Appendix III and Appendix IV constituents. Samples were collected and submitted to GEL Laboratories, LLC (GEL Laboratories), for analysis. Per the CCR Rule, groundwater results from this sampling event were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III[2] and Appendix IV[3] constituents in wells listed in the tables below.

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

Appendix III Parameter	August 2025
Boron	BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S
Calcium	BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S
Chloride	BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S
Fluoride	BRGWC-38S
pH (lower limit)	BRGWC-33S, BRGWC-36S, BRGWC-38S
Sulfate	BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S
TDS	BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S
Appendix IV Parameter	**August 2025**
Beryllium	BRGWC-38S
Cobalt	BRGWC-33S, BRGWC-38S

Based on 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. In lieu of a *Remedy Selection and Design Progress Report,* a *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, for AP-E was submitted to GA EPD on February 28, 2025. In the interim of GA EPD's review of the *Draft Remedy Selection Report,* the state agency issued a letter on June 24, 2025, stating their support for Georgia Power to initiate a pilot study near BRGWC-33S at AP-E to facilitate further remedy design. Georgia Power will submit a workplan to GA EPD outlining the design and implementation prior to initiating the pilot study.

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LIST OF ACRONYMS

ACC	Atlantic Coast Consulting, Inc.
ACM	Assessment of Corrective Measures
AP	ash pond
ASD	Alternate Source Demonstration
CCR	coal combustion residuals
CFR	Code of Federal Regulations
DO	dissolved oxygen
EDR	Environmental Data Resources
ft/day	feet per day
ft/ft	feet per foot
GA EPD	Georgia Environmental Protection Division
GCSM	geochemical conceptual site model
GEL Laboratories	GEL Laboratories, LLC
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
GWPS	Groundwater Protection Standard
HAR	Hydrogeologic Assessment Report
HRSC	high-resolution site characterization
K_h	horizontal hydraulic conductivity
mg/L	milligram per liter
MNA	monitored natural attenuation
NELAP	National Environmental Laboratory Accreditation Program
NTU	Nephelometric turbidity units
ORP	oxidation-reduction potential
PDI	pre-design investigation
PL	prediction limit
PWR	partially weathered rock
QA/QC	Quality Assurance/Quality Control
SSI	statistically significant increase
SSL	statistically significant level
s.u.	standard unit
TDS	total dissolved solids
TWR	transitionally weathered rock
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (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 Branch (Site) Ash Pond E (AP-E) for the reporting period of July 2025 through December 2025 (referred to herein as the "semiannual reporting period").

Groundwater monitoring and reporting for AP-E are performed in accordance with the monitoring requirements of the GA EPD Rules for Solid Waste Management 391-3-4-.10(6), but also in accordance with the CCR Rule, specifically § 257.90 through § 257.95. This report documents the activities completed to establish the groundwater monitoring program in accordance with GA EPD Rule 391-3-4-.10(6)(a). To specify groundwater monitoring requirements, GA EPD Rule 391-3-4-.10(6)(a) incorporates by reference the CCR Rule. For ease of reference, the CCR Rule regulations are cited within this report, in lieu of citing both sets of regulations.

A CCR Unit Solid Waste Handling Permit application for AP-BCD was submitted to GA EPD in November 2018 and is under review.

Due to statistically significant increases (SSIs) of Appendix III parameters identified in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2019), Georgia Power initiated an assessment monitoring program for AP-E on November 13, 2019. Statistically significant levels (SSLs) of Appendix IV parameters beryllium (Be) and cobalt (Co) were identified during the initial assessment monitoring event. Pursuant to § 257.95 as adopted by 391-3-4-.10, an Alternate Source Demonstration (ASD) was prepared in July 2020 in response to the SSLs identified for beryllium and cobalt in groundwater monitoring wells (Golder, 2020). GA EPD issued a letter of non-concurrence associated with the ASD submittal in April 2022 and Georgia Power subsequently initiated an assessment of corrective measures (ACM) program for AP-E on July 21, 2022. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-E in accordance with the assessment monitoring program established for the unit in 2019, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the CCR Rule. 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, 2025 (Geosyntec, 2025b). In the

interim of GA EPD's review of the *Draft Remedy Selection Report,* the state agency issued a letter on June 24, 2025, stating their support for Georgia Power to initiate a pilot study near BRGWC-33S at AP-E to facilitate further remedy design. Georgia Power will submit a workplan to GA EPD outlining the design and implementation of this pilot study prior to initiating the field work.

SSLs of beryllium in BRGWC-38S and cobalt in BRGWC-33S and BRGWC-38S have been identified for each assessment monitoring event subsequent to the November 2019 initiation and documented in the associated groundwater monitoring and corrective action reports. The groundwater quality data for the current semiannual reporting period indicate the SSLs have been horizontally and vertically delineated to below the established Groundwater Protection Standards (GWPS) and are contained within the property boundary.

1.1 Site Description and Background

Plant Branch is located in Putnam County, Georgia, approximately 8 miles north of Milledgeville. The property occupies approximately 3,200 acres and is bordered on the south and east by Lake Sinclair and by sparsely populated, forested, rural land on the north and west. Lake Sinclair is an approximately 15,330-acre hydroelectric reservoir that was created in 1953 by the impoundment of the Oconee River. Ash Pond E (AP-E) is a valley-fill containment area formed by the construction of an earthen embankment dike at the eastern portion of the ash pond. AP-E is located on the northwest corner of the Site surrounded by rural land on each side (**Figure 1**). The physical address of the Site is 1100 Milledgeville Road, Milledgeville, Georgia, 31061.

The Site formerly operated as a coal-fired power plant that commenced power generation in 1965. Over the course of power generation at the facility, five CCR surface impoundments (ash ponds), identified as Ash Ponds A, B, C, D, and E, were utilized. The location of each ash pond is shown on **Figure 1**. The former AP-A, the first ash pond constructed at the facility, was taken out of service in the late 1960s and was closed in April 2016 by the removal and relocation of its stored CCR to AP-E. AP-BCD and AP-E are currently not active and will be closed by removal, specifically, by relocation of the CCR stored in those ash ponds to a new, permitted, on-site CCR landfill.

This report documents the groundwater monitoring program at AP-E. As previously noted, groundwater monitoring activities completed at the multi-unit AP-BCD are reported separately.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-E as described in the *Hydrogeologic Assessment Report Revision 02 – AP-E* (HAR Rev 02) submitted to GA EPD in January 2025 to provide information regarding the hydrogeologic conditions and the groundwater monitoring well network at the Site (Geosyntec, 2025a).

1.2.1 Regional and Site Geology

The Site is located within the Piedmont Physiographic Province of central Georgia, which is characterized by gently rolling hills and narrow valleys, with locally pronounced linear ridges. Generally, the property slopes gently east and south toward Beaverdam Creek and Lake Sinclair. The metamorphic and igneous rocks that underlie the area have been subjected to physical and chemical weathering which has created a landscape dissected by creeks and streams. Bedrock is typically overlain by a variably thick blanket of residual soils and saprolite. The overall depth of weathering in the Piedmont/Blue Ridge is generally about 20 to 60 feet; however, the depth of weathering along discontinuities and/or very mafic rock units may extend to depths greater than 100 feet. Because of such variations in rock types and structure, the depth of weathering can vary significantly over short horizontal distances. The bedrock underlying the saprolite is fine- to medium-grained, poorly jointed biotite-quartz-feldspar gneiss.

Based on our review of available data, micaceous, locally saprolitic soils, consisting primarily of clay, silty clay, silt, and sandy clay occur as a variably thick blanket of residuum overlying bedrock across most of the Site. The thickness of the residual soil encountered in AP-E borings is variable, ranging from a few feet to as much as 90 feet. Between the residual soil/saprolite zone and the underlying bedrock there is a zone of transitionally weathered rock (TWR) or partially weathered rock (PWR), as defined by standard penetration test data, where available. Material overlying the top of rock surface, including residual soil/saprolite and TWR/PWR, is collectively referred to as overburden.

1.2.2 Hydrogeologic Setting

The uppermost aquifer at the Site is an unconfined regional groundwater aquifer that occurs primarily in the saprolite, PWR, and fractured bedrock. While the aquifer characteristics of each unit may vary, the groundwater is interpreted to be interconnected between these units, and they effectively act as one, unconfined aquifer. Generally, the water table surface at the Site is a subdued reflection of topography, with groundwater

generally flowing east, west, and south. Downward hydraulic gradients dominate in the topographically high areas, while upward gradients are observed in topographic lows. Recharge to the fractured bedrock aquifer system comes primarily from precipitation that is stored in the overburden and slowly infiltrates to the bedrock through areas of enhanced permeability. Interconnected fractures are the primary conduit for groundwater flow through bedrock since the rock lacks primary porosity. Groundwater flow in the uppermost portion of the aquifer is expected to be primarily in the regolith and transition zone (i.e., PWR and highly fractured bedrock), with less flow within the significantly lower permeability fractured bedrock.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-E 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.

Based on the Site hydrogeology, the monitoring well system is designed to monitor groundwater flow in the overburden, the transition-zone, and the upper bedrock as a single interconnected aquifer system. Wells suffixed with an "S" are installed in overburden (saprolitic soil), an "I" indicates TWR/PWR and the upper fractured mantle of bedrock (transition zone), and "D" indicates a screened zone in the deeper bedrock. Construction details for the wells and piezometers associated with evaluating groundwater flow and/or quality conditions in vicinity of AP-E are listed in **Table 1**. The locations of the detection monitoring wells and assessment monitoring wells are shown on **Figure 2**. Pursuant to § 257.195(g)(1)(iv), 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 to gauge water levels to define groundwater flow direction and gradients and to understand potential changes related to seasonal fluctuations or site activities. The piezometers may be sampled as needed to support the AP-E ACM program. The piezometer locations are shown on the potentiometric surface maps generated for this semiannual reporting period (**Figure 3**, discussed in detail in Section 3).

2.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with § 257.90(e), the following describes monitoring-related activities performed during this 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 new monitoring wells or piezometers were installed at AP-E during the semiannual reporting period.

The well and piezometer networks are inspected semiannually to evaluate if any repairs or maintenance are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2025, the networks were inspected and no corrective actions were required, 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

Pursuant to § 257.94(e)(3), an assessment monitoring program was initiated for AP-E based on SSIs of Appendix III constituents documented in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2019). A notice of assessment monitoring was placed in the operating record on November 13, 2019. Georgia Power submitted an ASD to GA EPD for the observed SSLs (Golder, 2020) that was not accepted by GA EPD in April 2022. Within 90 days of receiving GA EPD's nonconcurrence letter, Georgia Power initiated the ACM program for AP-E on July 21, 2022. Georgia Power completed the *Assessment of Corrective Measures Report* (ACM Report) (Geosyntec, 2022) for AP-E at Plant Branch on December 16, 2022.

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, 2025 (Geosyntec, 2025b). In accordance with § 257.96(b), groundwater continues to be monitored at AP-E under the assessment monitoring program while the ACM phase is implemented.

In support of the routine assessment monitoring program, a semiannual assessment monitoring event was conducted in August 2025. The wells sampled during this event and the dates associated with the event are summarized in **Table 2**. The collected

groundwater samples were analyzed for the complete list of Appendix III and Appendix IV constituents.

Field data, field calibration forms, well inspection logs, laboratory analytical results, and data validation reports associated with the sampling event are provided in **Appendix B**. Details of the event and analytical results are discussed in Section 3.

2.3 Assessment of Corrective Measures

To support remedy selection, design, and pilot study planning, a pre-design investigation (PDI) is being conducted, which includes high-resolution site characterization (HRSC) and a treatability study. HRSC activities were conducted in December 2025 to characterize and refine the extent of the cobalt plume proximal to BRGWC-33S, near AP-E. These activities included installing nine temporary wells (HRSC-01 through HRSC-06 and HRSC-10 through HRSC-12), collecting an initial set of groundwater screening samples for cobalt analysis, and installing a geotechnical boring to evaluate the depth to PWR. The temporary wells are scheduled for additional sampling during the next semiannual assessment monitoring event for comparison with initial results. The laboratory reports associated with the initial screening event are provided in **Appendix B**.

A bench-scale laboratory treatability study in being conducted to inform the design and implementation of a field-scale pilot study for the proposed remedy to address cobalt at BRGWC-33S. Groundwater and aquifer solid samples for this study were collected from BRGWC-33S and adjacent boreholes in February 2025.

A pilot study workplan summarizing the results and interpretation of the BRGWC-33S HRSC and treatability study will be submitted to GA EPD under separate cover.

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-E during this semiannual reporting period.

3.1 Groundwater Level Measurement

Prior to the semiannual assessment monitoring event, a synoptic round of depth-to-groundwater-level measurements was recorded from all the wells and piezometers (including those associated with AP-BCD and the proposed new CCR landfill area) and used to calculate the corresponding groundwater elevations. The calculated groundwater elevations obtained in August 2025 at AP-BCD and AP-E are presented in **Table 3**. The surface water elevations for Lake Sinclair are obtained from Georgia Power.

The groundwater and surface water elevation data were used to prepare a site-wide potentiometric surface map for the August 2025 event, which is presented on **Figure 3**. The general direction of groundwater flow across AP-E is to the east-southeast. This groundwater flow pattern is consistent with previous observations.

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the uppermost aquifer beneath AP-E were calculated using the groundwater elevation data from the August 2025 event. Horizontal hydraulic gradients were calculated along the flow paths between BRGWA-5S and BRGWC-33S along the northern extent of AP-E, and between PZ-4I and BRGWC-38S along the southern extent of AP-E in August 2025. The supporting calculations are presented in **Table 4**. The calculated average hydraulic gradients associated with these well pairs for the semiannual reporting period are 0.0049 feet per foot (ft/ft) and 0.0106 ft/ft, respectively. The general trajectory of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figure 3**.

Groundwater flow rates at the Site were calculated based on the above hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of the screened horizon.

The horizontal hydraulic conductivity (K_h) value used in flow calculations is 5.78 feet per day (ft/day) and was based on slug test data presented in the *Hydrogeologic Assessment Report Revision 02* (Geosyntec, 2025a). The average observed K_h estimates from the well

pairs were used to produce a representative estimate of groundwater flow velocity. An estimated effective porosity of 0.20 is used to represent average conditions at AP-E which was derived based on the default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1996). With these variables determined, horizontal flow velocities were calculated as below.

The approximate horizontal flow velocities associated with AP-E were calculated using the following derivative of Darcy's Law. The supporting calculations for the August 2025 semiannual event are presented in **Table 4**.

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

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

The average groundwater flow velocity at the Site for this semiannual reporting period is approximately 0.22 ft/day across AP-E. The observed groundwater flow velocities are generally consistent with expected velocities, are consistent with historical observations, and confirm the groundwater monitoring system as properly located to monitor the uppermost aquifer for AP-E at Plant Branch.

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 AquaTROLL® (In-Situ field instrument) 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 GEL Laboratories, LLC. (GEL Laboratories) in Charleston, South Carolina, following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the semiannual reporting period are provided in **Appendix B**.

During the August 2025 event, one low yielding well was encountered. Assessment well PZ-52D purged dry and required sample collection the following day due to low recharge rates.

3.4 Laboratory Analyses

Laboratory analyses were performed by GEL Laboratories, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). GEL Laboratories 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 analytical results from the August 2025 monitoring event are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

Quality assurance/quality control (QA/QC) samples were collected during each sampling event 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 GEL Laboratories.

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 guidance documents (USEPA, 2011; USEPA, 2017). Where necessary, the data were qualified with supporting documentation and justifications. The data are considered usable for meeting project objectives, and the results are considered valid. The associated data validation reports are provided in **Appendix B** with the laboratory reports.

4.0 STATISTICAL ANALYSIS

The following section summarizes the statistical analysis of Appendix III groundwater monitoring data performed pursuant to § 257.93. In addition, pursuant to § 257.95(d)(2), Georgia Power established GWPS for the Appendix IV constituents and completed statistical analyses of the Appendix IV groundwater monitoring data obtained during the August 2025 assessment monitoring event. The data were analyzed by Groundwater Stats Consulting (GSC); the reports generated from the analyses are provided in **Appendix C**.

4.1 Statistical Methods

The selected statistical method for AP-E was developed in accordance with § 257.93(f) using methodology presented in Statistical Analysis of Groundwater Data at USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009). The Sanitas™ groundwater statistical software was used to perform the statistical analyses. Sanitas™ is a decision-support software package, which incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the Unified Guidance.

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 GWPS. Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in the statistical analysis report 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

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 parameters. Upgradient well data were pooled to establish a background limit for an individual constituent, and the most recent sample from each downgradient well was compared to the statistical limit for each parameter to determine if concentrations exceeded background levels. The most recent sample from each downgradient well is compared to the background limit 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. The Sen's Slope/Mann Kendall trend test was used to statistically evaluate concentration levels over time and determine if concentrations are increasing, decreasing, or stabilizing.

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 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. GWPS for statistical comparison of Appendix IV constituents are presented in **Table 6**.

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis of August 2025 data presented in **Appendix C**, groundwater conditions have not returned to background and assessment monitoring should continue pursuant to § 257.95(f). A detailed list of the noted exceedances is provided in **Appendix C**.

Based on the statistical analysis of Appendix IV constituents, the following constituents exceeded the corresponding GWPS for the assessment monitoring event:

4.2.1 August 2025 Data

- Beryllium: BRGWC-38S
- Cobalt: BRGWC-33S and BRGWC-38S

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix C**). Statistically significant decreasing trends of beryllium and cobalt were identified during this reporting period in BRGWC-38S. No statistically significant trend was identified for cobalt in BRGWC-33S.

4.2.2 Summary of Statistical Analyses

The SSLs identified for the semiannual reporting period have remained consistent with the previous reporting. The statistically decreasing concentration trends for beryllium and cobalt (**Appendix C**) in BRGWC-38S have been consistent with the previous reporting events and reflects ongoing natural attenuation of these constituents in the aquifer media at AP-E. Following the January 2024 sampling event, a statistically decreasing trend for cobalt in BRGWC-33S was no longer identified due to recent increases in groundwater concentrations. These increases are likely the result of dewatering and closure construction activities within AP-E and, therefore, expected to be transient in nature. Notably, during the August 2025 sampling event, the cobalt in BRGWC-33S decreased to the lowest concentration reported since the January 2024 semiannual assessment sampling event.

5.0 NATURE AND EXTENT

Based on the groundwater data presented herein, the SSLs for wells and constituents identified in Section 4.2 have been horizontally and vertically delineated to below the established GWPS and are contained within the property boundary. Delineation is determined by confidence intervals (statistical analysis) prepared for the assessment wells discussed below. Results of the statistical analyses are provided in **Appendix C**.

The identified SSLs of beryllium and cobalt in BRGWC-38S are horizontally and vertically delineated to below the GWPS by PZ-70I and PZ-53D, respectively. Similarly, the SSL of cobalt in BRGWC-33S is horizontally and vertically delineated by PZ-13S and PZ-52D, respectively. The groundwater data from the August 2025 semiannual assessment monitoring event were used to generate the beryllium and cobalt iso-concentration maps presented on **Figures 4** and **5**, respectively.

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-E in accordance with the assessment monitoring program regulations of § 257.95 while ACM efforts are implemented to address SSL concentrations of beryllium and cobalt in BRGWC-38S and cobalt in BRGWC-33S. Pursuant to § 257.195(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, 2025, in lieu of the *Semiannual Remedy Selection and Design Progress Reports*. The *Draft Remedy Selection Report* included a comprehensive description and compilation of the following content and documents:

i) 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;

ii) The current groundwater geochemical conceptual site model (GCSM) applicable to evaluating groundwater corrective measures proposed in the ACM Report (Geosyntec, 2022);

iii) A risk evaluation;

iv) A monitored natural attenuation (MNA) evaluation to assess the applicability of this corrective action measure to SSLs observed in BRGWC-38S; and

v) A transport modeling investigation to assess the feasibility of corrective action measures under consideration.

In the interim of GA EPD's review of the *Draft Remedy Selection Report*, Georgia Power conducted a PDI in 2025, which included HRSC and bench-scale treatability studies to support remedy selection and pilot study planning. HRSC activities were conducted in December 2025 near BRGWC-33S to refine the cobalt plume extent. These activities included installing nine temporary wells, collecting initial groundwater screening samples, and installing a geotechnical boring to evaluate depth to PWR. The temporary

wells are scheduled for additional sampling during the next semiannual assessment monitoring event. Additionally, a treatability study performed in February 2025 evaluated amendment effectiveness for cobalt at BRGWC-33S.

On June 24, 2025, GA EPD issued a letter supporting Georgia Power's initiation of a pilot study to facilitate further remedy design for the cobalt at BRGWC-33S. The agency also noted that decreasing concentrations at BRGWC-38S supported MNA as the selected remedy for beryllium and cobalt at BRGWC-38S. Georgia Power will submit a pilot study workplan to GA EPD that summarizes the results of the BRGWC-33S HRSC and treatability study and outlines the design and implementation of the pilot study to support corrective action design. Updates concerning the pilot study and any additional data to support corrective action design will be reported to GA EPD as brief summaries included as part of semiannual groundwater monitoring and corrective action reporting.

6.3 Annual Potable Well Survey

An updated potable well survey of potential groundwater wells within a two-mile radius of AP-E was conducted in October 2025 through January 2026 and consisted of reviewing federal, state, county records, and online sources. Surveys conducted by Environmental Data Resources (EDR) are included in **Appendix D**. Additional federal, state, county records and online sources outside of the EDR survey were also reviewed. The Putnam County Environmental Health Department did not provide a response. The findings from the 2025 well survey are consistent with the 2024 well survey (Geosyntec, 2025).

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Semiannual Groundwater Monitoring and Corrective Action Report* for Plant Branch AP-E was prepared to fulfill the requirements of the CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. The groundwater flow direction and rates interpreted during the August 2025 monitoring event are generally consistent with historical evaluations. Statistical analysis of the groundwater monitoring data for the AP-E well network confirmed the continued presence of SSLs of beryllium and cobalt in BRGWC-38S and cobalt in BRGWC-33S above corresponding GWPS. Based on the most current groundwater quality and flow data from this reporting period, as described in Section 5, the SSLs of beryllium and cobalt are vertically and horizontally delineated downgradient to below the GWPS and are contained within the property boundary.

Georgia Power submitted a *Draft Remedy Selection Report* to GA EPD on February 28, 2025, summarizing the evaluation and proposed corrective measures for AP-E. The HRSC temporary well installation and initial groundwater screening sample collection have been completed. The next steps include additional sampling of the HRSC temporary wells, completing the treatability testing, and submitting the pilot study workplan to GA EPD, followed by implementing the pilot study at BRGWC-33S and providing updates through semiannual groundwater monitoring and corrective action reporting. Concurrently, Georgia Power will continue to monitor AP-E groundwater under the assessment monitoring program as aspects of the ACM program are implemented to address the Appendix IV SSLs. The next routine semiannual assessment monitoring event for AP-E is scheduled for February 2026.

8.0 REFERENCES

Geosyntec, 2022. *Assessment of Corrective Measures Report, Georgia Power – Plant Branch, Putnam County, Georgia*. December 2022.

Geosyntec, 2024. *2024 Semiannual Groundwater Monitoring and Corrective Action Report - Plant Branch Ash Pond E (AP-E).* February 2024.

Geosyntec, 2025a. *Hydrogeologic Assessment Report Revision 02, Georgia Power - Plant Branch, Putnam County, Georgia*. January 2025.

Geosyntec, 2025b. *Draft Remedy Selection Report, Georgia Power - Plant Branch Ash Pond E (AP-E), Putnam County, Georgia*. February 2025.

Golder Associates, 2019. *2019 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Plant Branch, Milledgeville, Georgia*, August 2019.

Golder Associates, 2020. *Alternate Source Demonstration – Ash Pond E, Georgia Power Plant Branch, Milledgeville, Georgia*, July 2020.

USEPA, 1996. Soil Guidance Manual.

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

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

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

TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Branch - Ash Pond E
Putnam 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
AP-BCD Monitoring Well Network											
BRGWA-2I	Detection	Upgradient	1167130.00	2549957.30	440.50	443.14	386.60	376.60	66.94	Bedrock	03/14/2014
BRGWA-2S	Detection	Upgradient	1167139.70	2549952.60	440.40	443.20	406.20	396.20	47.40	Saprolite	04/02/2014
BRGWA-5I	Detection	Upgradient	1170183.70	2549408.00	441.10	443.79	390.30	380.30	63.89	Bedrock	04/03/2014
BRGWA-5S	Detection	Upgradient	1170177.50	2549415.50	440.80	443.86	411.20	401.20	43.06	Saprolite	04/03/2014
BRGWA-6S	Detection	Upgradient	1170732.90	2551540.80	455.80	458.96	416.50	406.50	52.86	Saprolite	04/01/2014
BRGWA-23S	Detection	Upgradient	1162971.70	2557868.10	425.50	428.24	395.00	385.00	43.54	PWR/Bedrock	07/26/2016
BRGWC-25I	Detection	Downgradient	1160583.70	2561315.10	355.00	357.37	344.40	334.40	23.37	PWR/Bedrock	07/25/2016
BRGWC-27I	Detection	Downgradient	1159695.30	2559712.20	364.00	366.86	350.40	340.40	26.86	Saprolite	07/22/2016
BRGWC-29I	Detection	Downgradient	1160297.60	2561050.20	350.60	353.23	340.60	330.60	23.03	PWR/Bedrock	07/23/2016
BRGWC-30I	Detection	Downgradient	1161607.60	2557691.80	350.00	352.61	340.15	330.15	22.86	PWR/Bedrock	07/18/2016
BRGWC-32S	Detection	Downgradient	1160677.70	2558497.90	403.60	406.39	369.00	359.00	47.79	Saprolite	07/20/2016
BRGWC-44	Detection	Downgradient	1161724.60	2561587.50	380.50	383.04	333.90	323.90	59.54	Saprolite/PWR/Bedrock	02/02/2018
BRGWC-45	Detection	Downgradient	1162229.80	2561075.50	381.60	384.58	335.00	325.00	59.98	Saprolite/PWR	02/03/2018
BRGWC-47	Detection	Downgradient	1162700.70	2559456.70	408.80	411.20	327.20	317.20	94.40	PWR	01/25/2018
BRGWC-52I	Detection	Downgradient	1161275.00	2562145.30	381.20	383.87	317.70	307.70	76.57	Saprolite/Bedrock	08/06/2018
PZ-63I	Detection	Downgradient	1161371.20	2562233.10	378.60	381.31	332.35	322.35	59.21	Saprolite/PWR/Bedrock	01/05/2022
PZ-80	Detection	Downgradient	1161564.13	2562102.23	379.10	382.24	344.10	334.10	48.57	Saprolite	03/18/2025
PZ-81	Detection	Downgradient	1161492.93	2562260.71	378.66	381.86	340.76	330.76	51.40	PWR/Saprolite	03/12/2025
PZ-68D	Assessment	Downgradient	1160690.48	2558512.90	402.50	405.25	328.50	318.50	87.00	Bedrock	09/06/2022
PZ-74I	Assessment	Downgradient	1160189.30	2557970.94	368.25	371.13	330.50	320.50	50.88	PWR/Bedrock	05/24/2023
PZ-75I	Assessment	Downgradient	1160009.37	2558343.03	354.88	357.86	337.88	327.88	30.38	PWR/Bedrock	06/27/2023
AP-E Monitoring Well Network											
BRGWA-2I	Detection	Upgradient	1167130.00	2549957.30	440.50	443.14	386.60	376.60	66.94	Bedrock	03/14/2014
BRGWA-2S	Detection	Upgradient	1167139.70	2549952.60	440.40	443.20	406.20	396.20	47.40	Saprolite	04/02/2014
BRGWA-5I	Detection	Upgradient	1170183.70	2549408.00	441.10	443.79	390.30	380.30	63.89	Bedrock	04/03/2014
BRGWA-5S	Detection	Upgradient	1170177.50	2549415.50	440.80	443.86	411.20	401.20	43.06	Saprolite	04/03/2014
BRGWA-6S	Detection	Upgradient	1170732.90	2551540.80	455.80	458.96	416.50	406.50	52.86	Saprolite	04/01/2014
BRGWC-17S	Detection	Downgradient	1166301.50	2554687.70	362.20	365.32	360.50	355.50	10.22	Saprolite	03/13/2014
BRGWC-33S	Detection	Downgradient	1168057.00	2554064.80	414.20	416.68	398.20	388.20	28.88	Saprolite/PWR/Bedrock	07/26/2016
BRGWC-34S	Detection	Downgradient	1167384.00	2554231.20	389.20	391.96	376.20	366.20	26.16	Saprolite	07/25/2016
BRGWC-35S	Detection	Downgradient	1166646.00	2554476.30	363.70	366.31	346.70	336.70	30.01	Saprolite	07/23/2016
BRGWC-36S	Detection	Downgradient	1165742.70	2554693.30	383.10	389.84	364.60	354.60	35.44	Saprolite	07/26/2016
BRGWC-37S	Detection	Downgradient	1165093.00	2554979.50	444.40	447.05	391.24	381.24	66.21	Saprolite/PWR	07/24/2016
BRGWC-38S	Detection	Downgradient	1164391.90	2555016.50	429.80	432.24	402.00	392.00	40.64	Saprolite/PWR	07/22/2016
PZ-13S	Assessment	Downgradient	1168011.40	2555276.70	406.50	409.97	382.20	372.20	38.17	Saprolite	03/19/2014
PZ-52D	Assessment	Downgradient	1168053.90	2554051.70	414.30	417.03	365.13	355.13	62.23	Bedrock	05/14/2020
PZ-53D	Assessment	Downgradient	1164393.80	2554984.30	431.60	434.68	302.20	292.20	142.73	Bedrock	05/17/2020
PZ-70I	Assessment	Downgradient	1164326.66	2555374.08	422.88	425.70	383.38	373.38	52.82	Saprolite/PWR	08/16/2022
Piezometers											
PZ-1I	Piezometer	Upgradient	1171995.80	2551577.80	461.90	464.71	392.80	382.80	82.31	Bedrock	03/10/2014
PZ-1D	Piezometer	Upgradient	1171999.00	2551598.10	462.90	463.41	397.40	302.90	160.51	Bedrock	04/04/2014
PZ-1S	Piezometer	Upgradient	1171996.40	2551588.00	462.40	465.07	407.80	397.80	67.67	Saprolite	03/20/2014
PZ-3D	Piezometer	Upgradient	1165474.40	2550275.10	486.70	487.50	438.70	356.70	130.80	Bedrock	03/27/2014
PZ-3I	Piezometer	Upgradient	1165494.50	2550273.20	486.50	489.49	442.30	432.30	57.59	Bedrock	03/11/2014
PZ-3S	Piezometer	Upgradient	1165484.50	2550274.60	487.00	490.53	457.50	447.50	43.43	Saprolite	03/11/2014
PZ-4I	Piezometer	Upgradient	1163246.80	2551282.00	479.90	482.98	443.50	433.50	49.88	Bedrock	03/11/2014
PZ-4S	Piezometer	Upgradient	1163247.80	2551270.10	479.90	482.87	460.30	450.30	32.97	Saprolite	03/10/2014

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Georgia Power Company
Plant Branch - Ash Pond E
Putnam 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
PZ-7S	Piezometer	Downgradient	1169419.20	2553055.60	449.00	451.57	414.90	404.90	47.07	Saprolite	04/01/2014
PZ-8S	Piezometer	Upgradient	1167801.10	2551188.90	450.50	453.08	411.40	401.40	52.08	Saprolite	04/01/2014
PZ-9S	Piezometer	Upgradient	1162633.30	2553089.60	466.10	469.28	428.50	418.50	51.18	Saprolite	03/05/2014
PZ-10S	Piezometer	Downgradient	1164021.50	2554990.50	431.00	433.85	402.40	392.40	41.85	Saprolite	03/05/2014
PZ-14I	Piezometer	Downgradient	1168398.20	2554365.60	419.90	422.71	376.50	366.50	56.61	Bedrock	03/20/2014
PZ-14S	Piezometer	Downgradient	1168398.70	2554359.20	420.20	423.31	393.00	383.00	40.71	Saprolite	03/20/2014
PZ-15I	Piezometer	Downgradient	1167720.90	2554399.20	400.20	403.06	321.90	311.90	91.56	Bedrock	03/25/2014
PZ-15S	Piezometer	Downgradient	1167720.30	2554394.00	400.10	402.90	370.60	360.60	42.70	Saprolite	03/27/2014
PZ-16I	Piezometer	Downgradient	1166980.70	2554587.50	379.50	382.45	351.30	341.30	41.55	Bedrock	03/14/2014
PZ-16S	Piezometer	Downgradient	1166977.80	2554581.40	379.30	382.52	370.60	360.60	22.32	Saprolite	03/18/2014
PZ-17I	Piezometer	Downgradient	1166313.80	2554702.50	362.30	365.33	329.20	319.20	46.53	Bedrock	03/17/2014
PZ-18I	Piezometer	Downgradient	1160766.20	2557745.50	359.60	362.55	331.50	321.50	41.45	PWR/Bedrock	02/26/2014
PZ-18S	Piezometer	Downgradient	1160757.30	2557747.40	359.70	362.82	345.00	335.00	28.22	Saprolite	03/26/2014
PZ-19I	Piezometer	Downgradient	1159797.10	2558900.00	368.90	371.74	335.60	325.60	46.54	PWR/Bedrock	03/04/2014
PZ-19S	Piezometer	Downgradient	1159805.40	2558894.50	368.40	371.42	350.80	340.80	31.02	Saprolite	03/04/2014
PZ-20I	Piezometer	Downgradient	1159495.40	2560160.20	362.20	365.34	343.10	333.10	32.64	PWR/Bedrock	03/05/2014
PZ-20S	Piezometer	Downgradient	1159490.30	2560157.00	362.20	365.41	357.20	347.20	18.61	Saprolite	03/05/2014
PZ-21I	Piezometer	Downgradient	1160591.60	2561328.20	355.80	358.92	341.80	331.80	27.52	PWR/Bedrock	03/10/2014
PZ-21S	Piezometer	Downgradient	1160592.40	2561321.30	355.50	358.52	351.10	346.10	12.82	Saprolite	03/11/2014
PZ-23I	Piezometer	Downgradient	1162975.40	2557877.70	425.10	427.74	368.60	358.60	69.54	Bedrock	07/29/2016
PZ-24S	Piezometer	Downgradient	1162400.90	2562862.20	351.40	354.10	319.90	309.90	44.70	Saprolite	07/27/2016
PZ-26I	Piezometer	Downgradient	1160669.00	2561626.40	368.00	370.63	347.90	337.90	33.13	PWR/Bedrock	07/26/2016
PZ-28I	Piezometer	Downgradient	1159505.10	2560151.70	362.50	364.81	348.50	338.50	26.71	PWR/Bedrock	07/24/2016
PZ-31S	Piezometer	Downgradient	1160936.90	2557971.80	374.30	376.77	345.20	335.20	41.97	PWR/Bedrock	07/26/2016
PZ-40S	Piezometer	Downgradient	1162414.90	2562807.70	353.20	355.96	323.40	313.40	42.96	Saprolite	02/14/2017
PZ-41S	Piezometer	Downgradient	1162431.80	2562759.40	354.30	357.17	320.50	310.50	47.07	Saprolite	02/14/2017
PZ-42S	Piezometer	Downgradient	1162845.70	2562735.00	359.00	361.66	337.20	327.20	34.86	Saprolite	02/09/2017
PZ-46	Piezometer	Downgradient	1162756.20	2560559.00	382.10	384.64	346.50	336.50	49.07	PWR/Bedrock	02/05/2018
PZ-48	Piezometer	Downgradient	1163046.70	2558444.60	418.30	420.90	361.70	351.70	69.60	Saprolite/PWR/Bedrock	01/24/2018
PZ-49	Piezometer	Downgradient	1163321.20	2561125.70	382.20	384.99	375.60	365.60	19.79	Saprolite/Bedrock	01/30/2018
PZ-54	Piezometer	Downgradient	1164828.70	2555458.30	440.80	443.86	399.05	389.05	55.06	Saprolite/PWR	05/15/2020
PZ-55	Piezometer	Downgradient	1163208.00	2554783.60	450.20	453.07	411.15	401.15	52.17	Saprolite/PWR	05/19/2020
PZ-56	Piezometer	Downgradient	1162965.10	2554086.30	416.20	418.84	397.15	387.15	31.94	Saprolite/PWR/Bedrock	05/20/2020
PZ-69I	Piezometer	Downgradient	1160311.39	2558447.46	376.97	379.36	347.97	337.97	41.64	Saprolite	08/31/2022
PZ-71I	Piezometer	Downgradient	1160295.35	2558230.83	382.57	385.34	352.82	342.82	42.77	Saprolite/PWR/Bedrock	05/02/2023
PZ-72I	Piezometer	Downgradient	1160133.29	2558394.65	365.91	368.57	342.01	332.01	36.86	PWR/Bedrock	05/09/2023
PZ-73I	Piezometer	Downgradient	1160226.37	2558559.30	349.87	352.63	334.87	324.87	28.01	PWR/Bedrock	05/10/2023
PZ-75D	Piezometer	Downgradient	1160006.07	2558336.87	355.25	357.87	291.25	281.25	77.02	Bedrock	08/01/2025
PZ-82I	Piezometer	Downgradient	1160415.30	2558099.18	381.20	383.72	342.61	332.61	51.51	Saprolite/PWR/Bedrock	08/01/2025
PZ-83I	Piezometer	Downgradient	1160234.27	2557791.41	353.71	356.28	334.96	324.96	31.73	Saprolite/PWR/Bedrock	08/01/2025
PZ-84I	Piezometer	Downgradient	1159890.44	2557801.11	350.21	352.77	322.18	312.18	40.99	Saprolite/PWR/Bedrock	08/01/2025

Notes:
PWR = Partially Weathered Rock
(1) Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
(2) Georgia State Plane NAD83 West Zone referenced for horizontal datum.
(3) Ground surface elevation measured at nail or known reference point on surface concrete pad.
(4) Groundwater Zone Screened references USCS ASTM 2488 Visual Manual Group Symbol or well survey.
(5) Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
(6) Total well depth accounts for sump if data provided on construction logs.

Table 2
Groundwater Sampling Event Summary
Georgia Power Company
Plant Branch - Ash Pond E
Putnam County, GA

Well ID	Hydraulic Location	Well Designation	August 26 2025 - September 03 2025
			Assessment Event
Georgia Power Company - Plant Branch - Ash Pond E			
BRGWA-2I	Upgradient	Detection	X
BRGWA-2S	Upgradient	Detection	X
BRGWA-5I	Upgradient	Detection	X
BRGWA-5S	Upgradient	Detection	X
BRGWA-6S	Upgradient	Detection	X
BRGWC-17S	Downgradient	Detection	X
BRGWC-33S	Downgradient	Detection	X
BRGWC-34S	Downgradient	Detection	X
BRGWC-35S	Downgradient	Detection	X
BRGWC-36S	Downgradient	Detection	X
BRGWC-37S	Downgradient	Detection	X
BRGWC-38S	Downgradient	Detection	X
PZ-13S	Downgradient	Assessment	X
PZ-52D	Downgradient	Assessment	X
PZ-53D	Downgradient	Assessment	X
PZ-70I	Downgradient	Assessment	X

Notes:
X = Indicates well sampled during event

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Branch - Ash Pond E
Putnam County, GA

		August 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
AP-BCD Detection Monitoring Well Network			
BRGWA-2I	443.14	10.82	432.32
BRGWA-2S	443.20	10.93	432.27
BRGWA-5I	443.79	13.40	430.39
BRGWA-5S	443.86	13.57	430.29
BRGWA-6S	458.96	26.61	432.35
BRGWA-23S	428.24	42.38	385.86
BRGWC-25I	357.37	11.88	345.49
BRGWC-27I	366.86	11.56	355.30
BRGWC-29I	353.23	10.80	342.43
BRGWC-30I	352.61	5.05	347.56
BRGWC-32S	406.39	40.92	365.47
BRGWC-44	383.04	29.46	353.58
BRGWC-45	384.58	14.85	369.73
BRGWC-47	411.20	30.80	380.40
BRGWC-52I	383.87	40.43	343.44
PZ-63I	381.31	39.84	341.47
PZ-80	382.24	34.20	348.04
PZ-81	381.86	39.06	342.80
AP-E Detection Monitoring Well Network			
BRGWA-2I	443.14	10.82	432.32
BRGWA-2S	443.20	10.93	432.27
BRGWA-5I	443.79	13.40	430.39
BRGWA-5S	443.86	13.57	430.29
BRGWA-6S	458.96	26.61	432.35
BRGWC-17S	365.32	5.40	359.92
BRGWC-33S	416.68	12.16	404.52
BRGWC-34S	391.96	3.17	388.79
BRGWC-35S	366.31	0.22	366.09
BRGWC-36S	389.84	5.78	384.06
BRGWC-37S	447.05	57.86	389.19
BRGWC-38S	432.24	25.54	406.70
AP-BCD Assessment Monitoring Well Network			
PZ-68D	405.25	41.38	363.87
PZ-74I	371.13	28.20	342.93
PZ-75I	357.86	17.49	340.37
AP-E Assessment Monitoring Well Network			
PZ-13S	409.97	30.43	379.54
PZ-52D	417.03	23.41	393.62
PZ-53D	434.68	26.70	407.98
PZ-70I	425.70	32.23	393.47
Piezometers			
PZ-1S	465.07	44.02	421.05
PZ-1I	464.71	45.61	419.10
PZ-1D	463.41	43.82	419.59
PZ-3S	490.53	--	--
PZ-3I	489.49	51.98	437.51
PZ-3D	487.50	49.95	437.55
PZ-4S	482.87	--	--
PZ-4I	482.98	34.19	448.79

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Branch - Ash Pond E
Putnam County, GA

		August 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
PZ-7S	451.57	27.92	423.65
PZ-8S	453.08	26.64	426.44
PZ-9S	469.28	39.44	429.84
PZ-10S	433.85	30.04	403.81
PZ-14S	423.31	25.55	397.76
PZ-14I	422.71	24.01	398.70
PZ-15S	402.90	11.42	391.48
PZ-15I	403.06	11.14	391.92
PZ-16S	382.52	11.43	371.09
PZ-16I	382.45	11.27	371.18
PZ-17I	365.33	2.51	362.82
PZ-18S	362.82	20.74	342.08
PZ-18I	362.55	20.57	341.98
PZ-19S	371.42	17.17	354.25
PZ-19I	371.74	17.64	354.10
PZ-20S	365.41	17.35	348.06
PZ-20I	365.34	17.22	348.12
PZ-21S	358.52	--	--
PZ-21I	358.92	13.43	345.49
PZ-23I	427.74	41.77	385.97
PZ-24S	354.10	13.43	340.67
PZ-26I	370.63	25.45	345.18
PZ-28I	364.81	16.70	348.11
PZ-31S	376.77	28.11	348.66
PZ-40S	355.96	15.82	340.14
PZ-41S	357.17	16.44	340.73
PZ-42S	361.66	19.97	341.69
PZ-46	384.64	11.70	372.94
PZ-48	420.90	36.61	384.29
PZ-49	384.99	8.90	376.09
PZ-54	443.86	53.27	390.59
PZ-55	453.07	50.28	402.79
PZ-56	418.84	6.14	412.70
PZ-69I	379.36	22.45	356.91
PZ-71I	385.34	34.33	351.01
PZ-72I	368.57	25.65	342.92
PZ-73I	352.63	7.45	345.18
PZ-75D	357.87	17.23	340.64
PZ-82I	383.72	34.13	349.59
PZ-83I	356.28	15.76	340.52
PZ-84I	352.77	13.30	339.47

Notes:
-- = Dry well, depth to water not measured.
(1) NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

Table 4
Horizontal Gradient and Flow Velocity Calculations
Georgia Power Company
Plant Branch - Ash Pond E
Putnam County, GA

Well Pair	Groundwater Elevations in Well Pairs (ft)		Change in Elevation (ft)	Distance Between Well 1 and Well 2 (ft)	Hydraulic Gradient (ft/ft)	Average Hydraulic Conductivity (K_h) (ft/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (ft/day)	Calculated Groundwater Flow Velocity (ft/year)	Average Groundwater Flow Velocity (ft/day)	Average Groundwater Flow Velocity (ft/year)
BRGWA-5S to BRGWC-33S	430.29	404.52	25.77	5256	0.0049	5.78	0.20	0.14	52	0.22	82
PZ-4I to BRGWC-38S	448.79	406.70	42.09	3955	0.0106	5.78	0.20	0.31	112		

Notes:
ft = feet
ft/day = feet per day
ft/ft = feet per foot
ft/year = feet per year
K_h = average horizontal hydraulic conductivity
n_e = effective porosity - A value of 20% was selected based on the default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1996).
(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 is relative to the orientation of AP-E and is 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 Branch - Ash Pond E
Putnam County, GA

	Sample Location	BRGWA-2I	BRGWA-2S	BRGWA-5I	BRGWA-5S	BRGWA-6S	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S
	Sample Date	08/26/2025	08/26/2025	08/26/2025	08/26/2025	08/26/2025	09/03/2025	09/03/2025	09/02/2025	09/03/2025
ANALYTE	UNITS									
APPENDIX III										
Boron	mg/L	0.00739 J	0.00735 J	0.00700 J	0.00822 J	0.00675 J	0.101	2.30	2.00	2.46
Calcium	mg/L	12.8	5.53	16.7	16.3	4.20	48.7	375	164	63.3
Chloride	mg/L	2.10	2.05	4.00	3.34	2.21	5.04	56.8	30.1	6.40
Fluoride	mg/L	0.0368 J	0.0487 J	< 0.0330	0.0557 J	0.0343 J	0.105	0.0936 J	0.113	0.0847 J
pH, Field	SU	6.39	5.79	6.42	6.43	6.47	6.22	5.00	5.80	5.97
Sulfate	mg/L	2.90	0.435	3.13	0.585	0.485	203	1210	499	241
TDS	mg/L	89.0	76.0	123	115	48.0	453	2050	890	505
APPENDIX IV										
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	0.00532	< 0.00200	< 0.00200
Barium	mg/L	0.00508	0.0133	0.0282	0.0335	0.0155	0.0534	0.0344	0.0419	0.0300
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000859	0.000294 J	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000738 J	0.000304 J	< 0.000300
Chromium	mg/L	0.00517 J	0.00823 J	0.00456 J	0.00800 J	0.0130	0.00942 J	< 0.00300	< 0.00300	0.00639 J
Cobalt	mg/L	0.00132	0.000842 J	0.000853 J	< 0.000300	0.000481 J	< 0.000300	0.0784	0.00846	< 0.000300
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.00708 J	< 0.00300	0.00690 J	< 0.00300	0.00358 J	< 0.00300	0.00800 J	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000324 J	< 0.000200	0.00106	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Combined Radium 226 + 228	pCi/L	5.90	2.04 U	2.27	3.65	2.13	1.29 U	2.70	5.54	2.95
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	0.00297 J	0.0142	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Fluoride	mg/L	0.0368 J	0.0487 J	< 0.0330	0.0557 J	0.0343 J	0.105	0.0936 J	0.113	0.0847 J

Table 5
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Branch - Ash Pond E
Putnam County, GA

	Sample Location	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
	Sample Date	09/03/2025	09/02/2025	09/02/2025	09/03/2025	09/03/2025	09/02/2025	09/03/2025
ANALYTE	UNITS							
APPENDIX III								
Boron	mg/L	1.05	< 0.00520	1.05	0.0144 J	0.0750	0.956	0.940
Calcium	mg/L	39.8	3.60	21.4	21.6	47.6	77.0	31.2
Chloride	mg/L	8.21	1.88	6.44	3.01	4.16	4.09	4.85
Fluoride	mg/L	0.0810 J	0.0668 J	0.296	0.0545 J	1.88	0.121	0.0577 J
pH, Field	SU	5.51	5.92	4.33	5.62	7.54	6.97	5.53
Sulfate	mg/L	199	0.273 J	190	104	63.9	269	134
TDS	mg/L	394	44.0	348	223	311	558	261
APPENDIX IV								
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0257	0.0268	0.0170	0.0475	0.0163	0.0495	0.0215
Beryllium	mg/L	< 0.000200	< 0.000200	0.00526	0.000501	< 0.000200	< 0.000200	0.000347 J
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	0.00802 J	< 0.00300	0.00304 J	0.0125	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	< 0.000300	< 0.000300	0.0974	< 0.000300	0.00281	0.000372 J	0.000481 J
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	0.0172	< 0.00300	0.0180	0.0176	0.00407 J
Mercury	mg/L	< 0.0000670	< 0.0000670	0.0000760 J	< 0.0000670	< 0.0000670	< 0.0000670	0.00108
Molybdenum	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00641	0.00172	< 0.000200
Combined Radium 226 + 228	pCi/L	1.82	2.62	3.53	1.75	3.81	3.34	2.86
Selenium	mg/L	0.00151 J	< 0.00150	0.0155	0.00333 J	< 0.00150	0.00188 J	0.00477 J
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Fluoride	mg/L	0.0810 J	0.0668 J	0.296	0.0545 J	1.88	0.121	0.0577 J

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
SU = Standard Units
NA = Indicates not analyzed
TDS = total dissovled solids
< = Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J = The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
(1) Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
(2) Metals were analyzed by EPA Method 6020B and Method 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM 2540C, alkalinity was analyzed by SM2320B, sulfide was analyzed by EPA Method 9034, and combined radium by EPA Methods 9315/9320.
(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 Branch - Ash Pond E
Putnam County, GA

Analyte	Units	MCL	CCR-Rule Specified	Background August 2025	GWPS
Antimony	mg/L	0.006		0.003	0.006
Arsenic	mg/L	0.01		0.005	0.01
Barium	mg/L	2		0.063	2
Beryllium	mg/L	0.004		0.0005	0.004
Cadmium	mg/L	0.005		0.001	0.005
Chromium	mg/L	0.1		0.016	0.1
Cobalt	mg/L		0.006	0.0034	0.006
Combined Radium 226 + 228	pCi/L	5		2.5	5
Fluoride	mg/L	4		0.29	4
Lead	mg/L		0.015	0.002	0.015
Lithium	mg/L		0.04	0.089	0.089
Mercury	mg/L	0.002		0.00021	0.002
Molybdenum	mg/L		0.1	0.008	0.1
Selenium	mg/L	0.05		0.005	0.05
Thallium	mg/L	0.002		0.002	0.002

Notes:
CCR = Coal Combustion Residuals
GWPS = Groundwater Protection Standard
MCL = Maximum Contaminant Level
mg/L = milligrams per liter
pCi/L = picocuries per liter
(1) The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).
(2) 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.

FIGURES



N

LEGEND

- Plant Branch Property Boundary
- Approximate Ash Pond Boundary



Notes:
1. Coordinate System: NAD 1983 State Plane Georgia West_FIPS (U.S. Feet).
2. Property Boundary Provided by Southern Company Services.
3. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, June 2025.

0 2,000 4,000
Scale in Feet

SITE LOCATION MAP

GEORGIA POWER COMPANY
PLANT BRANCH AP-E
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | FEBRUARY 2026

FIGURE 1



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary

Notes:
1. Property Boundary Provided by Southern Company Services.
2. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, June 2025.

0 1,000 2,000
Scale in Feet

MONITORING WELL NETWORK MAP

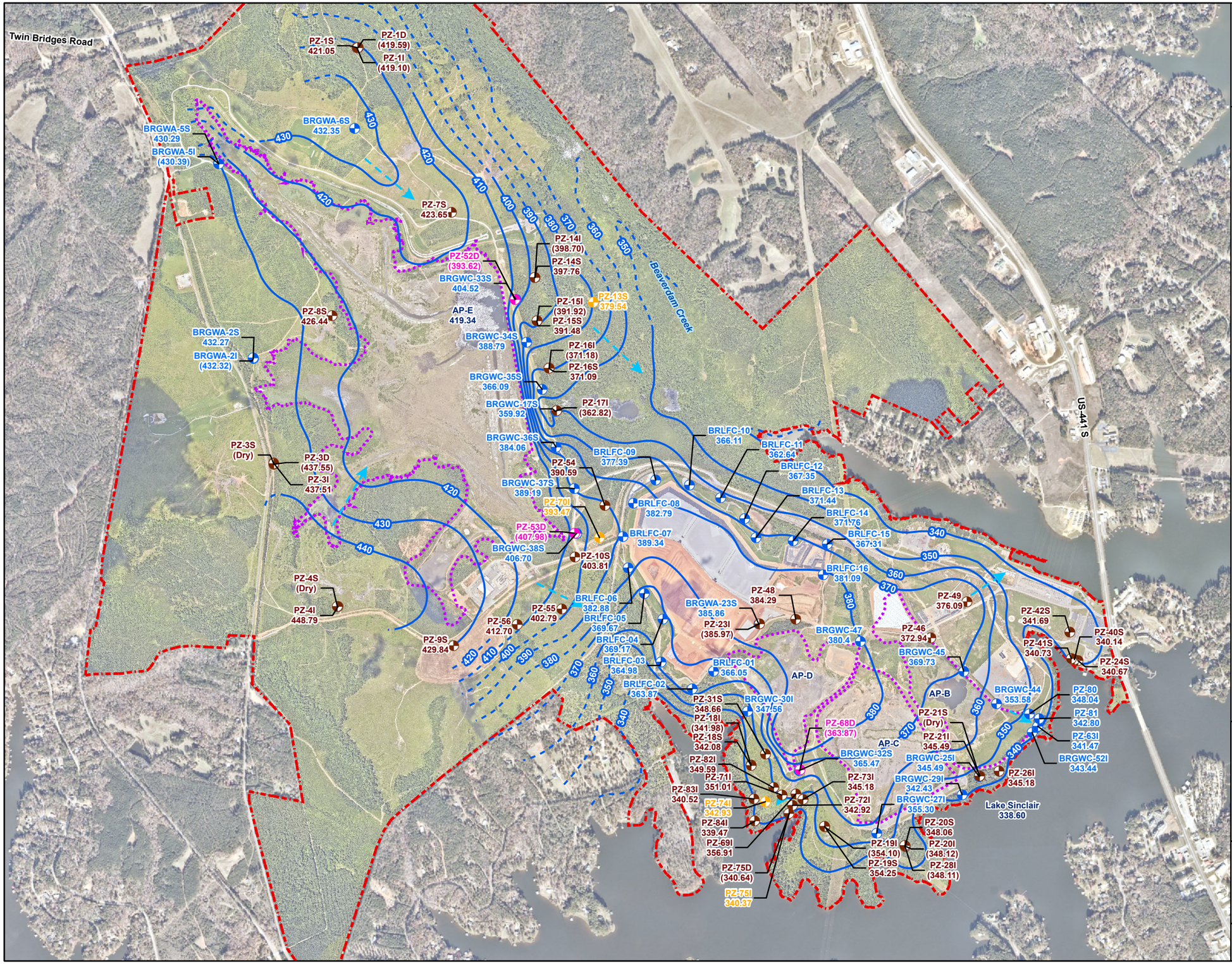
GEORGIA POWER COMPANY
PLANT BRANCH AP-E
PUTNAM COUNTY, GEORGIA

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
- Piezometer
- Groundwater Elevation Iso-Contour
- Groundwater Elevation Iso-Contour (Inferred)
- Approximate Groundwater Flow Direction
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary

JOSEPH M. IVANOWSKI ★ GEORGIA REGISTERED PROFESSIONAL GEOLOGIST ★ No. 002140

Notes:
1. Water level elevation recorded on August 25, 2025, for semiannual groundwater event.
2. Elevation provided in feet (ft) referenced to the North American Vertical Datum of 1988 (NAVD 88).
3. Groundwater iso-contours based on linear interpolation and extrapolation from known groundwater elevation data, and topographic elevations.
4. Groundwater elevations in parentheses were not used to make the groundwater contours because these wells are screened at a different elevation in the formation/aquifer.
5. Coordinate System: NAD 1983 State Plane Georgia West_FIPS (U.S. Feet).
6. Property Boundary Provided by Southern Company Services.
7. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, June 2025.

0 1,500 3,000
Scale in Feet

POTENTIOMETRIC SURFACE CONTOUR MAP - AUGUST 2025

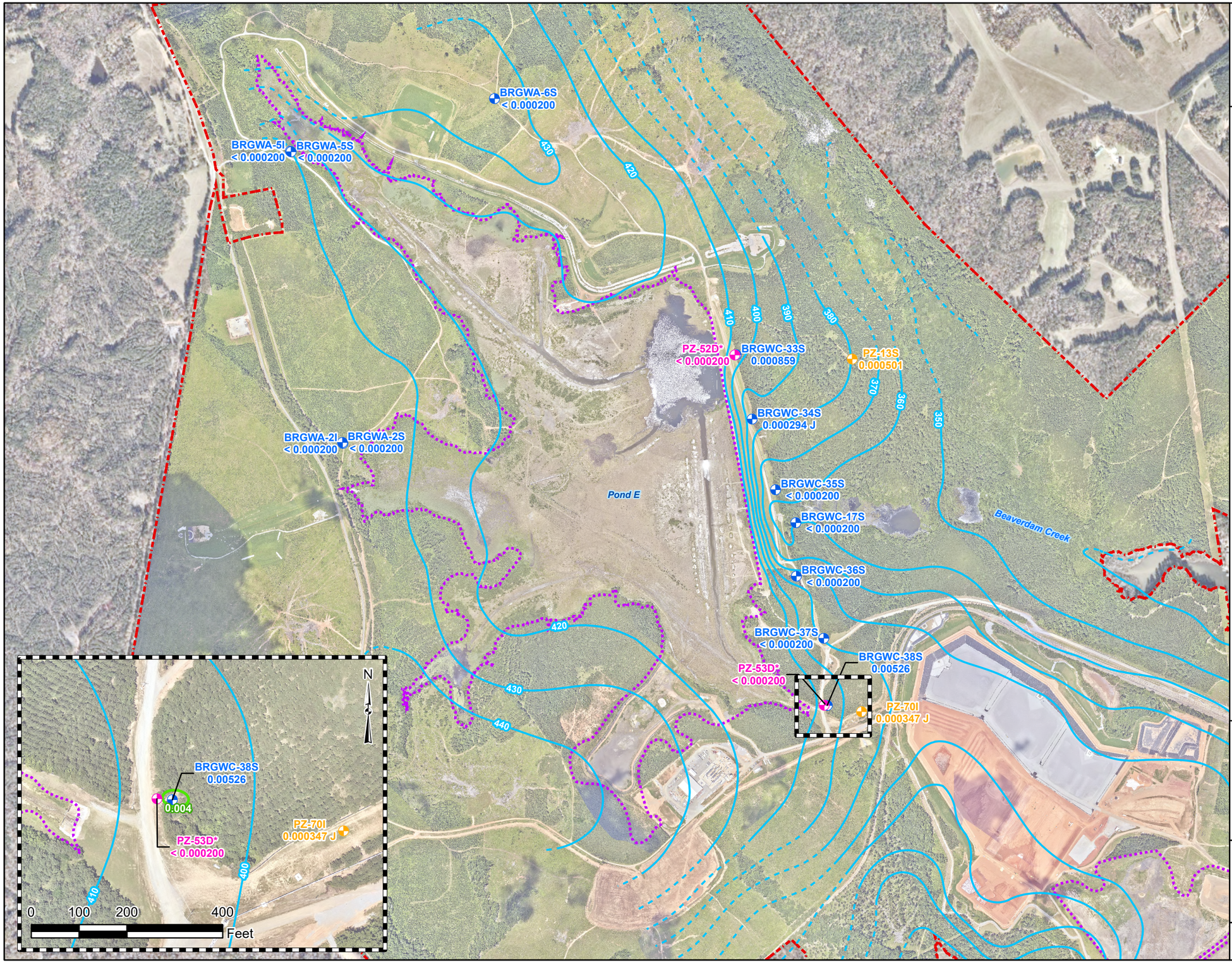
GEORGIA POWER COMPANY
PLANT BRANCH AP-E
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | FEBRUARY 2026

FIGURE 3



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Groundwater Elevation Iso-Contour (August 2025)
- Groundwater Elevation Iso-Contour (Inferred)(August 2025)
- 0.004 Beryllium GWPS Iso-Concentration Contour (mg/L)
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary

Notes:
1. Concentration data from groundwater samples collected during the semiannual monitoring event conducted in August and September 2025.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on August 25, 2025.
4. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
5. The Groundwater Protection Standards (GWPS) for beryllium is 0.0040 mg/L.
6. J - Estimated value.
7. * - Data reported was not used to generate the iso-concentration contour.
8. Property Boundary Provided by Southern Company Services.
9. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, June 2025.

0 1,000 2,000
Scale in Feet

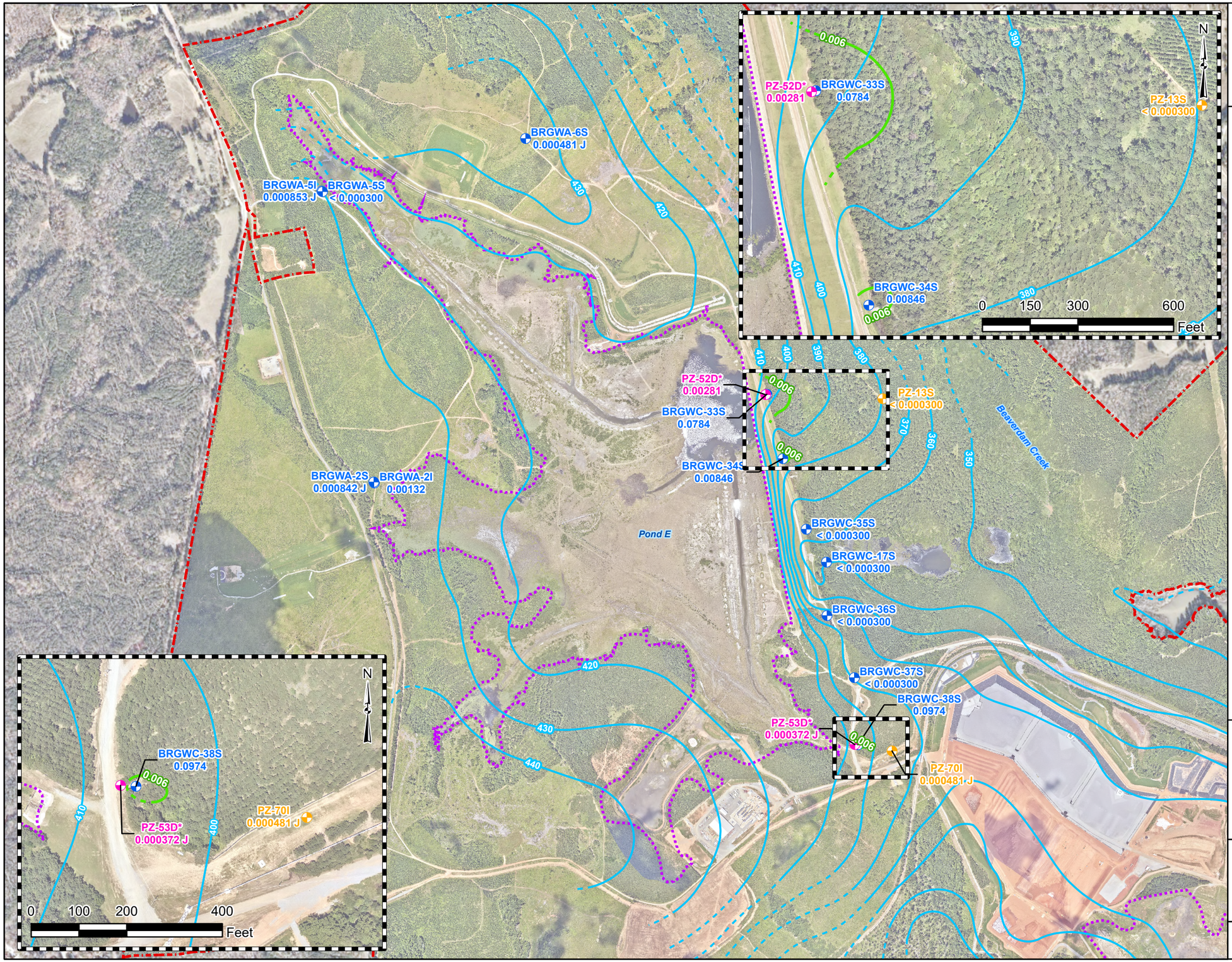
ISO-CONCENTRATION MAP, BERYLLIUM - AUGUST 2025

GEORGIA POWER COMPANY
PLANT BRANCH AP-E
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power
Prepared By: Geosyntec consultants

KENNESAW, GA | FEBRUARY 2026

FIGURE 4



LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Groundwater Elevation Iso-Contour (August 2025)
- Groundwater Elevation Iso-Contour (Inferred)(August 2025)
- 0.006 Cobalt GWPS Iso-Concentration Contour (mg/L) (dashed where inferred)
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary

Notes:
1. Concentration data from groundwater samples collected during the semiannual monitoring event conducted in August and September 2025.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on August 25, 2025.
4. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
5. The Groundwater Protection Standards (GWPS) for cobalt is 0.006 mg/L.
6. J - Estimated value.
7. * - Data reported was not used to generate the iso-concentration contour.
8. Property Boundary Provided by Southern Company Services.
9. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, June 2025.

0 1,000 2,000
Scale in Feet

ISO-CONCENTRATION MAP, COBALT - AUGUST 2025

GEORGIA POWER COMPANY
PLANT BRANCH AP-E
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | FEBRUARY 2026

FIGURE 5

APPENDIX A

Well Maintenance and Repair Documentation

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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)
BRGWA-2S	Yes	Yes	No	Yes
BRGWA-2I	Yes	Yes	No	Yes
BRGWA-5S	Yes	Yes	No	Yes
BRGWA-5I	Yes	Yes	No	Yes
BRGWA-6S	Yes	Yes	No	Yes
BRGWA-23S	Yes	Yes	No	Yes
BRGWC-25I	Yes	Yes	No	Yes
BRGWC-27I	Yes	Yes	No	Yes
BRGWC-29I	Yes	Yes	No	Yes
BRGWC-30I	Yes	Yes	No	Yes
BRGWC-32S	Yes	Yes	No	Yes
BRGWC-44	Yes	Yes	No	Yes
BRGWC-45	Yes	Yes	No	Yes
BRGWC-47	Yes	Yes	No	Yes
BRGWC-52I	Yes	Yes	No	Yes
PZ-63I	Yes	Yes	No	Yes
PZ-80	Yes	Yes	No	Yes
PZ-81	Yes	Yes	No	Yes
BRGWC-17S	Yes	Yes	No	Yes
BRGWC-33S	Yes	Yes	No	Yes
BRGWC-34S	Yes	Yes	No	Yes
BRGWC-35S	Yes	Yes	No	Yes
BRGWC-36S	Yes	Yes	No	Yes
BRGWC-37S	Yes	Yes	No	Yes
BRGWC-38S	Yes	Yes	No	Yes
PZ-68D	Yes	Yes	No	Yes
PZ-74I	Yes	Yes	No	Yes
PZ-75I	Yes	Yes	No	Yes
PZ-79	Yes	Yes	No	NO
PZ-13S	Yes	Yes	No	Yes
PZ-52D	Yes	Yes	No	Yes
PZ-53D	Yes	Yes	No	Yes
PZ-70I	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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
BRGWA-2S	Yes	Yes	Yes	Yes	Yes
BRGWA-2I	Yes	Yes	Yes	Yes	Yes
BRGWA-5S	Yes	Yes	Yes	Yes	Yes
BRGWA-5I	Yes	Yes	Yes	Yes	Yes
BRGWA-6S	Yes	Yes	Yes	Yes	Yes
BRGWA-23S	Yes	Yes	Yes	Yes	Yes
BRGWC-25I	Yes	Yes	Yes	Yes	Yes
BRGWC-27I	Yes	Yes	Yes	Yes	Yes
BRGWC-29I	Yes	Yes	Yes	Yes	Yes
BRGWC-30I	Yes	Yes	Yes	Yes	Yes
BRGWC-32S	Yes	Yes	Yes	Yes	Yes
BRGWC-44	Yes	Yes	Yes	Yes	Yes
BRGWC-45	Yes	Yes	Yes	Yes	Yes
BRGWC-47	Yes	Yes	Yes	Yes	Yes
BRGWC-52I	Yes	Yes	Yes	Yes	Yes
PZ-63I	Yes	Yes	Yes	Yes	Yes
PZ-80	Yes	Yes	Yes	Yes	Yes
PZ-81	Yes	Yes	Yes	Yes	Yes
BRGWC-17S	Yes	Yes	Yes	Yes	Yes
BRGWC-33S	Yes	Yes	Yes	Yes	Yes
BRGWC-34S	Yes	Yes	Yes	Yes	Yes
BRGWC-35S	Yes	Yes	Yes	Yes	Yes
BRGWC-36S	Yes	Yes	Yes	Yes	Yes
BRGWC-37S	Yes	Yes	Yes	Yes	Yes
BRGWC-38S	Yes	Yes	Yes	Yes	Yes
PZ-68D	Yes	Yes	Yes	Yes	Yes
PZ-74I	Yes	Yes	Yes	Yes	Yes
PZ-75I	Yes	Yes	Yes	Yes	Yes
PZ-79	Yes	Yes	NA	NA	NA
PZ-13S	Yes	Yes	Yes	Yes	Yes
PZ-52D	Yes	Yes	Yes	Yes	Yes
PZ-53D	Yes	Yes	Yes	Yes	Yes
PZ-70I	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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
BRGWA-2S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWA-2I	Yes	Yes	Yes	Yes	Yes	Yes
BRGWA-5S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWA-5I	Yes	Yes	Yes	Yes	Yes	Yes
BRGWA-6S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWA-23S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-25I	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-27I	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-29I	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-30I	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-32S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-44	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-45	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-47	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-52I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-63I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-80	Yes	Yes	Yes	Yes	Yes	Yes
PZ-81	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-17S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-33S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-34S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-35S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-36S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-37S	Yes	Yes	Yes	Yes	Yes	Yes
BRGWC-38S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-68D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-74I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-75I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-79	NA	NA	NA	Yes	Yes	Yes
PZ-13S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-52D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-53D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-70I	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

Well ID:	Corrective actions as needed, by date:
BRGWA-2S	
BRGWA-2I	
BRGWA-5S	
BRGWA-5I	
BRGWA-6S	
BRGWA-23S	
BRGWC-25I	
BRGWC-27I	
BRGWC-29I	
BRGWC-30I	
BRGWC-32S	
BRGWC-44	
BRGWC-45	
BRGWC-47	
BRGWC-52I	
PZ-63I	
PZ-80	
PZ-81	
BRGWC-17S	
BRGWC-33S	
BRGWC-34S	
BRGWC-35S	
BRGWC-36S	
BRGWC-37S	
BRGWC-38S	
PZ-68D	
PZ-74I	
PZ-75I	
PZ-79	PVC stick up well (NA)
PZ-13S	
PZ-52D	
PZ-53D	
PZ-70I	

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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)
PZ-1S	Yes	Yes	No	Yes
PZ-1I	Yes	Yes	No	Yes
PZ-1D	Yes	Yes	No	Yes
PZ-3S	Yes	Yes	No	Yes
PZ-3I	Yes	Yes	No	Yes
PZ-3D	Yes	Yes	No	Yes
PZ-4S	Yes	Yes	No	Yes
PZ-4I	Yes	Yes	No	Yes
PZ-7S	Yes	Yes	No	Yes
PZ-8S	Yes	Yes	No	Yes
PZ-9S	Yes	Yes	No	Yes
PZ-10S	Yes	Yes	No	Yes
PZ-14S	Yes	Yes	No	Yes
PZ-14I	Yes	Yes	No	Yes
PZ-15S	Yes	Yes	No	Yes
PZ-15I	Yes	Yes	No	Yes
PZ-16S	Yes	Yes	No	Yes
PZ-16I	Yes	Yes	No	Yes
PZ-17I	Yes	Yes	No	Yes
PZ-18S	Yes	Yes	No	Yes
PZ-18I	Yes	Yes	No	Yes
PZ-19S	Yes	Yes	No	Yes
PZ-19I	Yes	Yes	No	Yes
PZ-20S	Yes	Yes	No	Yes
PZ-20I	Yes	Yes	No	Yes
PZ-21S	Yes	Yes	No	Yes
PZ-21I	Yes	Yes	No	Yes
PZ-23I	Yes	Yes	No	Yes
PZ-24S	Yes	Yes	No	Yes
PZ-26I	Yes	Yes	No	Yes
PZ-28I	Yes	Yes	No	Yes
PZ-31S	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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
PZ-1S	Yes	Yes	Yes	Yes	Yes
PZ-1I	Yes	Yes	Yes	Yes	Yes
PZ-1D	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes
PZ-3I	Yes	Yes	Yes	Yes	Yes
PZ-3D	Yes	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes	Yes
PZ-4I	Yes	Yes	Yes	Yes	Yes
PZ-7S	Yes	Yes	Yes	Yes	Yes
PZ-8S	Yes	Yes	Yes	Yes	Yes
PZ-9S	Yes	Yes	Yes	Yes	Yes
PZ-10S	Yes	Yes	Yes	Yes	Yes
PZ-14S	Yes	Yes	Yes	Yes	Yes
PZ-14I	Yes	Yes	Yes	Yes	Yes
PZ-15S	Yes	Yes	Yes	Yes	Yes
PZ-15I	Yes	Yes	Yes	Yes	Yes
PZ-16S	Yes	Yes	Yes	Yes	Yes
PZ-16I	Yes	Yes	Yes	Yes	Yes
PZ-17I	Yes	Yes	Yes	Yes	Yes
PZ-18S	Yes	Yes	Yes	Yes	Yes
PZ-18I	Yes	Yes	Yes	Yes	Yes
PZ-19S	Yes	Yes	Yes	Yes	Yes
PZ-19I	Yes	Yes	Yes	Yes	Yes
PZ-20S	Yes	Yes	Yes	Yes	Yes
PZ-20I	Yes	Yes	Yes	Yes	Yes
PZ-21S	Yes	Yes	Yes	Yes	Yes
PZ-21I	Yes	Yes	Yes	Yes	Yes
PZ-23I	Yes	Yes	Yes	Yes	Yes
PZ-24S	Yes	Yes	Yes	Yes	Yes
PZ-26I	Yes	Yes	Yes	Yes	Yes
PZ-28I	Yes	Yes	Yes	Yes	Yes
PZ-31S	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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
PZ-1S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-1I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-1D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-4I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-7S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-8S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-9S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-10S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-14S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-14I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-15S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-15I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-16S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-16I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-17I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-18S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-18I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-19S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-19I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-20S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-20I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-21S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-21I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-23I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-24S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-26I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-28I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-31S	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

Well ID:	Corrective actions as needed, by date:
PZ-1S	
PZ-1I	
PZ-1D	
PZ-3S	
PZ-3I	
PZ-3D	
PZ-4S	
PZ-4I	
PZ-7S	
PZ-8S	
PZ-9S	
PZ-10S	
PZ-14S	
PZ-14I	
PZ-15S	
PZ-15I	
PZ-16S	
PZ-16I	
PZ-17I	
PZ-18S	
PZ-18I	
PZ-19S	
PZ-19I	
PZ-20S	
PZ-20I	
PZ-21S	
PZ-21I	
PZ-23I	
PZ-24S	
PZ-26I	
PZ-28I	
PZ-31S	

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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)
PZ-40S	Yes	Yes	No	Yes
PZ-41S	Yes	Yes	No	Yes
PZ-42S	Yes	Yes	No	Yes
PZ-46	Yes	Yes	No	Yes
PZ-48	Yes	Yes	No	Yes
PZ-49	Yes	Yes	No	Yes
PZ-54	Yes	Yes	No	Yes
PZ-55	Yes	Yes	No	Yes
PZ-56	Yes	Yes	No	Yes
PZ-69I	Yes	Yes	No	Yes
PZ-71I	Yes	Yes	No	Yes
PZ-72I	Yes	Yes	No	Yes
PZ-73I	Yes	Yes	No	Yes
PZ-75D	Yes	Yes	No	Yes
PZ-82I	Yes	Yes	No	Yes
PZ-83I	Yes	Yes	No	Yes
PZ-84I	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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
PZ-40S	Yes	Yes	Yes	Yes	Yes
PZ-41S	Yes	Yes	Yes	Yes	Yes
PZ-42S	Yes	Yes	Yes	Yes	Yes
PZ-46	Yes	Yes	Yes	Yes	Yes
PZ-48	Yes	Yes	Yes	Yes	Yes
PZ-49	Yes	Yes	Yes	Yes	Yes
PZ-54	Yes	Yes	Yes	Yes	Yes
PZ-55	Yes	Yes	Yes	Yes	Yes
PZ-56	Yes	Yes	Yes	Yes	Yes
PZ-69I	Yes	Yes	Yes	Yes	Yes
PZ-71I	Yes	Yes	Yes	Yes	Yes
PZ-72I	Yes	Yes	Yes	Yes	Yes
PZ-73I	Yes	Yes	Yes	Yes	Yes
PZ-75D	Yes	Yes	Yes	Yes	Yes
PZ-82I	Yes	Yes	Yes	Yes	Yes
PZ-83I	Yes	Yes	Yes	Yes	Yes
PZ-84I	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

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
PZ-40S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-41S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-42S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-46	Yes	Yes	Yes	Yes	Yes	Yes
PZ-48	Yes	Yes	Yes	Yes	Yes	Yes
PZ-49	Yes	Yes	Yes	Yes	Yes	Yes
PZ-54	Yes	Yes	Yes	Yes	Yes	Yes
PZ-55	Yes	Yes	Yes	Yes	Yes	Yes
PZ-56	Yes	Yes	Yes	Yes	Yes	Yes
PZ-69I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-71I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-72I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-73I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-75D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-82I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-83I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-84I	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Branch

Date: 08/25/2025

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

Well ID:	Corrective actions as needed, by date:
PZ-40S	
PZ-41S	
PZ-42S	
PZ-46	
PZ-48	
PZ-49	
PZ-54	
PZ-55	
PZ-56	
PZ-69I	
PZ-71I	
PZ-72I	
PZ-73I	
PZ-75D	
PZ-82I	
PZ-83I	
PZ-84I	

APPENDIX B

Analytical Laboratory Results and Field Sampling Forms

Appendix B1: Semiannual Assessment Monitoring Event

Appendix B2: High-Resolution Site Characterization

APPENDIX B1

Semiannual Assessment Monitoring Event

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 11, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Ash Ponds Ash Ponds- Upgradient
Work Order: 740274

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 27, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
740274001	BRA-BRGWA-2S	Ground Water	08/26/25 10:50	08/27/25 12:55
740274002	BRA-BRGWA-2I	Ground Water	08/26/25 09:55	08/27/25 12:55
740274003	BRA-BRGWA-5S	Ground Water	08/26/25 11:25	08/27/25 12:55
740274004	BRA-BRGWA-5I	Ground Water	08/26/25 12:25	08/27/25 12:55
740274005	BRA-BRGWA-6S	Ground Water	08/26/25 11:18	08/27/25 12:55

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	28-AUG-2025
SW846 7470A Prep	08-SEP-2025

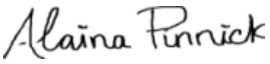
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	29-AUG-2025
SM 2540C	29-AUG-2025
SW846 3005A/6020B	10-SEP-2025

SW846 3005A/6020B 11-SEP-2025
SW846 7470A 09-SEP-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0006
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC002 Georgia Power Company

Client SDG: 740274 GEL Work Order: 740274

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-2S	Project:	GPCC00325
Sample ID:	740274001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 10:50		
Receive Date:	27-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.05	0.0670	0.200	mg/L		1	CH6	08/29/25	0031	2855236	1
Fluoride	J	0.0487	0.0330	0.100	mg/L		1					
Sulfate		0.435	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1053	2858248	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/10/25	0509	2854406	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0133	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00735	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00823	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000842	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		5.53	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0619	2854406	4
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		76.0	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	08/28/25	0830	2854405
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2858245

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Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-2S	Project:	GPCC00325
Sample ID:	740274001	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 11, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-2I	Project:	GPCC00325
Sample ID:	740274002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 09:55		
Receive Date:	27-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.10	0.0670	0.200	mg/L		1	CH6	08/29/25	0102	2855236	1
Fluoride	J	0.0368	0.0330	0.100	mg/L		1					
Sulfate		2.90	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1058	2858248	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/10/25	0512	2854406	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.00508	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00739	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00517	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00132	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00708	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		12.8	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0622	2854406	4
Molybdenum	J	0.000324	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		89.0	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2858245
SW846 3005A	ICP-MS 3005A PREP	LF1	08/28/25	0830	2854405

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Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-2I	Project:	GPCC00325
Sample ID:	740274002	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 11, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-5S	Project:	GPCC00325
Sample ID:	740274003	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 11:25		
Receive Date:	27-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.34	0.0670	0.200	mg/L		1	CH6	08/29/25	0133	2855236	1
Fluoride	J	0.0557	0.0330	0.100	mg/L		1					
Sulfate		0.585	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1100	2858248	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/10/25	0515	2854406	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0335	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00822	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00800	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		16.3	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0624	2854406	4
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		115	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2858245
SW846 3005A	ICP-MS 3005A PREP	LF1	08/28/25	0830	2854405

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Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-5S	Project:	GPCC00325
Sample ID:	740274003	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 11, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-5I	Project:	GPCC00325
Sample ID:	740274004	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 12:25		
Receive Date:	27-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.00	0.0670	0.200	mg/L		1	CH6	08/29/25	0204	2855236	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		3.13	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1101	2858248	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/10/25	0517	2854406	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0282	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00700	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00456	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000853	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00690	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		16.7	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0627	2854406	4
Molybdenum		0.00106	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		123	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	08/28/25	0830	2854405
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2858245

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Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-5I	Project:	GPCC00325
Sample ID:	740274004	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-6S	Project:	GPCC00325
Sample ID:	740274005	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 11:18		
Receive Date:	27-AUG-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.21	0.0670	0.200	mg/L		1	CH6	08/29/25	0234	2855236	1
Fluoride	J	0.0343	0.0330	0.100	mg/L		1					
Sulfate		0.485	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1103	2858248	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/10/25	0520	2854406	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0155	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00675	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium		0.0130	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000481	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00358	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		4.20	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0630	2854406	4
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		48.0	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	08/28/25	0830	2854405
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2858245

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Certificate of Analysis

Report Date: September 11, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash PondsAsh Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-6S	Project:	GPCC00325
Sample ID:	740274005	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: September 11, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740274**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2855236										
QC1206217894 740272001 DUP										
Chloride		3.10		3.11	mg/L	0.432		(0%-20%)	CH6	08/28/25 18:51
Fluoride		0.186		0.178	mg/L	3.96	^	(+/-0.100)		
Sulfate		146		146	mg/L	0.0876		(0%-20%)		08/29/25 07:12
QC1206217893 LCS										
Chloride	5.00			4.61	mg/L		92.2	(90%-110%)		08/28/25 17:50
Fluoride	2.50			2.35	mg/L		94	(90%-110%)		
Sulfate	10.0			9.43	mg/L		94.3	(90%-110%)		
QC1206217892 MB										
Chloride			U	ND	mg/L					08/28/25 17:19
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					
QC1206217896 740272001 MS										
Chloride	5.00	3.10		7.73	mg/L		92.7	(90%-110%)		08/28/25 19:22
Fluoride	2.50	0.186		2.39	mg/L		88.2*	(90%-110%)		
Sulfate	200	146		355	mg/L		104	(90%-110%)		08/29/25 07:43

QC Summary

Workorder: **740274**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2854406										
QC1206216476 LCS										
Antimony	0.0500			0.0496	mg/L		99.1	(80%-120%)	PRB	09/10/25 07:38
Arsenic	0.0500			0.0500	mg/L		100	(80%-120%)		
Barium	0.0500			0.0493	mg/L		98.7	(80%-120%)		
Beryllium	0.0500			0.0586	mg/L		117	(80%-120%)		
Boron	0.100			0.107	mg/L		107	(80%-120%)		
Cadmium	0.0500			0.0512	mg/L		102	(80%-120%)		
Calcium	2.00			2.18	mg/L		109	(80%-120%)		09/11/25 05:38
Chromium	0.0500			0.0507	mg/L		101	(80%-120%)		09/10/25 07:38
Cobalt	0.0500			0.0493	mg/L		98.6	(80%-120%)		
Lead	0.0500			0.0507	mg/L		101	(80%-120%)		
Lithium	0.0500			0.0542	mg/L		108	(80%-120%)		
Molybdenum	0.0500			0.0489	mg/L		97.8	(80%-120%)		09/11/25 05:38
Selenium	0.0500			0.0515	mg/L		103	(80%-120%)		09/10/25 07:38
Thallium	0.0500			0.0494	mg/L		98.8	(80%-120%)		

QC Summary

Workorder: **740274**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2854406										
QC1206216475 MB										
Antimony			U	ND	mg/L				PRB	09/10/25 07:33
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					
Calcium			U	ND	mg/L					09/11/25 05:35
Chromium			U	ND	mg/L					09/10/25 07:33
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Molybdenum			U	ND	mg/L					09/11/25 05:35
Selenium			U	ND	mg/L					09/10/25 07:33
Thallium			U	ND	mg/L					

QC Summary

Workorder: **740274**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2854406											
QC1206216477 740272001 MS											
Antimony	0.0500	U	ND		0.0496	mg/L		98.3	(75%-125%)	PRB	09/10/25 04:33
Arsenic	0.0500	U	ND		0.0530	mg/L		103	(75%-125%)		
Barium	0.0500		0.0255		0.0753	mg/L		99.4	(75%-125%)		
Beryllium	0.0500	U	ND		0.0554	mg/L		111	(75%-125%)		
Boron	0.100		1.17		1.26	mg/L		N/A	(75%-125%)		09/10/25 05:32
Cadmium	0.0500	U	ND		0.0503	mg/L		100	(75%-125%)		09/10/25 04:33
Calcium	2.00		56.5		59.5	mg/L		N/A	(75%-125%)		09/10/25 05:32
Chromium	0.0500	U	ND		0.0499	mg/L		98	(75%-125%)		09/10/25 04:33
Cobalt	0.0500		0.00291		0.0513	mg/L		96.8	(75%-125%)		
Lead	0.0500	U	ND		0.0484	mg/L		96.7	(75%-125%)		
Lithium	0.0500	U	ND		0.0531	mg/L		104	(75%-125%)		
Molybdenum	0.0500	J	0.000512		0.0515	mg/L		102	(75%-125%)		09/11/25 05:43
Selenium	0.0500	J	0.00256		0.0539	mg/L		103	(75%-125%)		09/10/25 04:33
Thallium	0.0500	U	ND		0.0474	mg/L		94.4	(75%-125%)		

QC Summary

Workorder: **740274**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2854406											
QC1206216478 740272001 MSD											
Antimony	0.0500	U	ND		0.0498	mg/L	0.393	98.7	(0%-20%)	PRB	09/10/25 04:36
Arsenic	0.0500	U	ND		0.0535	mg/L	0.94	104	(0%-20%)		
Barium	0.0500		0.0255		0.0745	mg/L	1.05	97.9	(0%-20%)		
Beryllium	0.0500	U	ND		0.0578	mg/L	4.33	116	(0%-20%)		
Boron	0.100		1.17		1.26	mg/L	0.307	N/A	(0%-20%)		09/10/25 05:35
Cadmium	0.0500	U	ND		0.0501	mg/L	0.36	100	(0%-20%)		09/10/25 04:36
Calcium	2.00		56.5		59.0	mg/L	0.755	N/A	(0%-20%)		09/10/25 05:35
Chromium	0.0500	U	ND		0.0509	mg/L	1.96	100	(0%-20%)		09/10/25 04:36
Cobalt	0.0500		0.00291		0.0524	mg/L	2.21	99.1	(0%-20%)		
Lead	0.0500	U	ND		0.0486	mg/L	0.507	97.2	(0%-20%)		
Lithium	0.0500	U	ND		0.0546	mg/L	2.8	107	(0%-20%)		
Molybdenum	0.0500	J	0.000512		0.0515	mg/L	0.0738	102	(0%-20%)		09/11/25 05:46
Selenium	0.0500	J	0.00256		0.0530	mg/L	1.67	101	(0%-20%)		09/10/25 04:36
Thallium	0.0500	U	ND		0.0485	mg/L	2.3	96.6	(0%-20%)		

QC Summary

Workorder: **740274**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2854406										
QC1206216480 740272001 SDILT										
Antimony	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	09/10/25 04:42
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium		25.5		5.12	ug/L	.184		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron		1170		1190	ug/L	1.28		(0%-20%)		09/10/25 05:46
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/10/25 04:42
Calcium		56500		56700	ug/L	.501		(0%-20%)		09/10/25 05:46
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/10/25 04:42
Cobalt		2.91	J	0.628	ug/L	7.87		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	J	0.512	J	0.464	ug/L	353		(0%-20%)		09/11/25 05:51
Selenium	J	2.56	U	ND	ug/L	N/A		(0%-20%)		09/10/25 04:42
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **740274**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-Mercury										
Batch 2858248										
QC1206226319 741441001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	09/09/25 11:09
QC1206223804 LCS										
Mercury	0.00200			0.00200	mg/L		100	(80%-120%)		09/09/25 10:32
QC1206223803 MB										
Mercury			U	ND	mg/L					09/09/25 10:30
QC1206226320 741441001 MS										
Mercury	0.00200 U	ND		0.00195	mg/L		97.4	(75%-125%)		09/09/25 11:11
Solids Analysis										
Batch 2855116										
QC1206218104 740086001 DUP										
Total Dissolved Solids		164		168	mg/L	2.41		(0%-5%)	CH6	08/29/25 10:31
QC1206217717 LCS										
Total Dissolved Solids	300			297	mg/L		99	(95%-105%)		08/29/25 10:31
QC1206217716 MB										
Total Dissolved Solids			U	ND	mg/L					08/29/25 10:31

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded

QC Summary

Workorder: **740274**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2854406

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2854405

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740274001	BRA-BRGWA-2S
740274002	BRA-BRGWA-2I
740274003	BRA-BRGWA-5S
740274004	BRA-BRGWA-5I
740274005	BRA-BRGWA-6S
1206216475	Method Blank (MB)**ICP-MS**
1206216476	Laboratory Control Sample (LCS)
1206216480	740272001(BRA-BRGWC-27IL) Serial Dilution (SD)
1206216477	740272001(BRA-BRGWC-27IS) Matrix Spike (MS)
1206216478	740272001(BRA-BRGWC-27ISD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2858248

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2858245

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740274001	BRA-BRGWA-2S
740274002	BRA-BRGWA-2I
740274003	BRA-BRGWA-5S
740274004	BRA-BRGWA-5I
740274005	BRA-BRGWA-6S
1206223803	Method Blank (MB)**CVAA**
1206223804	Laboratory Control Sample (LCS)
1206226319	741441001(NonSDGD) Sample Duplicate (DUP)
1206226320	741441001(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2855236

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740274001	BRA-BRGWA-2S
740274002	BRA-BRGWA-2I
740274003	BRA-BRGWA-5S
740274004	BRA-BRGWA-5I
740274005	BRA-BRGWA-6S
1206217892	Method Blank (MB)
1206217893	Laboratory Control Sample (LCS)
1206217894	740272001(BRA-BRGWC-27I) Sample Duplicate (DUP)
1206217896	740272001(BRA-BRGWC-27I) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Fluoride	1206217896 (BRA-BRGWC-27IMS)	88.2* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206217894 (BRA-BRGWC-27IDUP) and 1206217896 (BRA-BRGWC-27IMS) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Miscellaneous Information

Manual Integrations
Samples 740274001 (BRA-BRGWA-2S), 740274002 (BRA-BRGWA-2I), 740274003 (BRA-BRGWA-5S) and 740274005 (BRA-BRGWA-6S) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2855116

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740274001	BRA-BRGWA-2S
740274002	BRA-BRGWA-2I
740274003	BRA-BRGWA-5S
740274004	BRA-BRGWA-5I
740274005	BRA-BRGWA-6S
1206217716	Method Blank (MB)
1206217717	Laboratory Control Sample (LCS)
1206218104	740086001(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Consecutive Weight Checks
In order to meet consecutive weight check criteria, weight events must be within 0.0005g of each other. After initial weight checks failed this criteria, the analyst performed two additional weight events. After four weight events, the analyst was unable to get the samples to conform to the criteria. The failure to meet weigh back criteria is attributed to the matrix of the samples. All relevant processes and procedures are in full adherence to the established QSM requirements. 740274001 (BRA-BRGWA-2S) and 740274004 (BRA-BRGWA-5I).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0006

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics
gel.com

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

740274
740275

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - Upgradient | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: A Auld, J. May / ACC J. Benstead | Send Results To: SCS & Geosyntec Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm/dd/yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
BRA- BRGWA-2S	08/26/25	1050	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-2I	08/26/25	0955	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-5S	08/26/25	1125	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-5I	08/26/25	1225	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-6S	08/26/25	1118	G	N	WG			6	✓	✓	✓	
BRA-												
BRA-												
BRA-												
BRA-												
BRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	A Auld	8-27-25	0820	Bobby Spain	8.27.25	8.20
2	Bobby Spain	8.27.25	12:55	C Memahon	8/27/25	12:55
3						

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 1 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC

SDG/AR/COC/Work Order: 740277 740273 740274 740275 | GEL PM:

Received By: Stacy Beavers

Date Received at GEL: Aug 27, 2025

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IRA 24 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
1	1c				
2	1c				
3	1c				
4	1c				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ✓ CPM mR/Hr Classified as: Rad 1 Rad 2 Rad 3
Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
Was a SDS received and reviewed by Lab Mgr?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celsius
Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected:
Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Preservation added, Lot#: If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
Samples received within holding time?	✓			IDs and tests affected:
Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
COC form is properly signed in relinquished/received sections?			✓	Circle Applicable: Not relinquished Other (describe)

Comments:

(PMA) review: Initials HH Date 9/2/25

Discrimination Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 11 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 19, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Ash Ponds
Work Order: 741267

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 04, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
741267001	BRA-BRGWC-34S	Ground Water	09/02/25 16:22	09/04/25 14:35
741267002	BRA-BRGWC-37S	Ground Water	09/02/25 14:15	09/04/25 14:35
741267003	BRA-BRGWC-38S	Ground Water	09/02/25 12:52	09/04/25 14:35
741267004	BRA-PZ-53D	Ground Water	09/02/25 14:52	09/04/25 14:35
741267005	BRA-APE-FD-04	Ground Water	09/02/25 12:00	09/04/25 14:35
741267006	BRA-APE-FB-07	Water	09/02/25 14:50	09/04/25 14:35
741267007	BRA-APE-EB-09	Water	09/02/25 16:15	09/04/25 14:35
741267008	BRA-BRGWC-17S	Ground Water	09/03/25 11:55	09/04/25 14:35
741267009	BRA-BRGWC-33S	Ground Water	09/03/25 10:58	09/04/25 14:35
741267010	BRA-BRGWC-35S	Ground Water	09/03/25 13:50	09/04/25 14:35
741267011	BRA-BRGWC-36S	Ground Water	09/03/25 09:40	09/04/25 14:35
741267012	BRA-PZ-52D	Ground Water	09/03/25 15:09	09/04/25 14:35
741267013	BRA-PZ-13S	Ground Water	09/03/25 12:25	09/04/25 14:35
741267014	BRA-PZ-70I	Ground Water	09/03/25 09:30	09/04/25 14:35
741267015	BRA-APE-FD-05	Ground Water	09/03/25 12:00	09/04/25 14:35
741267016	BRA-APE-FB-08	Water	09/03/25 12:20	09/04/25 14:35

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

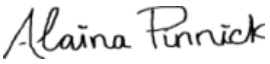
Method	Run Date ID
SW846 3005A	05-SEP-2025
SW846 3005A	16-SEP-2025
SW846 7470A Prep	08-SEP-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	05-SEP-2025
EPA 300.0	06-SEP-2025
SM 2540C	08-SEP-2025
SM 2540C	09-SEP-2025
SW846 3005A/6020B	15-SEP-2025
SW846 3005A/6020B	16-SEP-2025
SW846 3005A/6020B	17-SEP-2025
SW846 3005A/6020B	18-SEP-2025
SW846 7470A	09-SEP-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0006
Enclosures

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Certificate of Analysis Report
for

GPCC002 Georgia Power Company

Client SDG: 741267 GEL Work Order: 741267

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N Metals--The Matrix spike sample recovery is not within specified control limits

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-34S	Project:	GPCC00325
Sample ID:	741267001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	02-SEP-25 16:22		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride		0.113	0.0330	0.100	mg/L		1	TXT1	09/05/25	1516	2858541	1
Chloride		30.1	3.35	10.0	mg/L		50	TXT1	09/06/25	0257	2858541	2
Sulfate		499	6.65	20.0	mg/L		50					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	0945	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1618	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0419	0.000670	0.00400	mg/L	1.00	1					
Beryllium	J	0.000294	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000304	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00846	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		2.00	0.104	0.300	mg/L	1.00	20	PRB	09/18/25	1152	2858329	5
Calcium		164	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		890	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-34S	Project:	GPCC00325
Sample ID:	741267001	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-37S	Project:	GPCC00325
Sample ID:	741267002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	02-SEP-25 14:15		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		1.88	0.0670	0.200	mg/L		1	TXT1	09/05/25	1756	2858541	1
Fluoride	J	0.0668	0.0330	0.100	mg/L		1					
Sulfate	J	0.273	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	0952	2859406	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1638	2858329	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0268	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.60	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1228	2858329	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		44.0	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-37S	Project:	GPCC00325
Sample ID:	741267002	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-BRGWC-38S
Sample ID: 741267003
Matrix: WG
Collect Date: 02-SEP-25 12:52
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.44	0.0670	0.200	mg/L		1	TXT1	09/05/25	1827	2858541	1
Fluoride		0.296	0.0330	0.100	mg/L		1					
Sulfate		190	2.66	8.00	mg/L		20	TXT1	09/06/25	0433	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	J	0.0000760	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	0953	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1641	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0170	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.00526	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		21.4	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00304	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0974	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0172	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.0155	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.05	0.0520	0.150	mg/L	1.00	10	PRB	09/18/25	1231	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		348	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-38S	Project:	GPCC00325
Sample ID:	741267003	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-PZ-53D
Sample ID: 741267004
Matrix: WG
Collect Date: 02-SEP-25 14:52
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.09	0.0670	0.200	mg/L		1	TXT1	09/05/25	1859	2858541	1
Fluoride		0.121	0.0330	0.100	mg/L		1					
Sulfate		269	6.65	20.0	mg/L		50	TXT1	09/06/25	0505	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	0955	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1644	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0495	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000372	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0176	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00172	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00188	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.956	0.0520	0.150	mg/L	1.00	10	PRB	09/18/25	1234	2858329	5
Calcium		77.0	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		558	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-PZ-53D	Project:	GPCC00325
Sample ID:	741267004	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-APE-FD-04
Sample ID: 741267005
Matrix: WG
Collect Date: 02-SEP-25 12:00
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.45	0.0670	0.200	mg/L		1	TXT1	09/05/25	1931	2858541	1
Fluoride		0.282	0.0330	0.100	mg/L		1					
Sulfate		191	2.66	8.00	mg/L		20	TXT1	09/06/25	0640	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	0957	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1646	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0162	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.00510	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		20.4	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0944	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0168	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.0150	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.02	0.0520	0.150	mg/L	1.00	10	PRB	09/18/25	1237	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		332	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-FD-04	Project:	GPCC00325
Sample ID:	741267005	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-FB-07	Project:	GPCC00325
Sample ID:	741267006	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	02-SEP-25 14:50		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	09/05/25	1237	2858541	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1002	2859406	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1649	2858329	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1240	2858329	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-FB-07	Project:	GPCC00325
Sample ID:	741267006	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-APE-EB-09
Sample ID: 741267007
Matrix: WQ
Collect Date: 02-SEP-25 16:15
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	J	0.122	0.0670	0.200	mg/L		1	TXT1	09/05/25	1309	2858541	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1004	2859406	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1652	2858329	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1243	2858329	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/08/25	1419	2859421	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-EB-09	Project:	GPCC00325
Sample ID:	741267007	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-17S	Project:	GPCC00325
Sample ID:	741267008	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	03-SEP-25 11:55		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.04	0.0670	0.200	mg/L		1	TXT1	09/05/25	2003	2858541	1
Fluoride		0.105	0.0330	0.100	mg/L		1					
Sulfate		203	2.66	8.00	mg/L		20	TXT1	09/06/25	0712	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1005	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1655	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0534	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00942	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00297	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.101	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1246	2858329	5
Calcium		48.7	0.800	2.00	mg/L	1.00	10	PRB	09/18/25	1305	2858329	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		453	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-17S	Project:	GPCC00325
Sample ID:	741267008	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-BRGWC-33S
Sample ID: 741267009
Matrix: WG
Collect Date: 03-SEP-25 10:58
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0936	0.0330	0.100	mg/L		1	TXT1	09/05/25	2035	2858541	1
Chloride		56.8	6.70	20.0	mg/L		100	TXT1	09/06/25	0744	2858541	2
Sulfate		1210	13.3	40.0	mg/L		100					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1007	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/17/25	0354	2863960	4
Arsenic		0.00532	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0344	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.000859	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000738	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0784	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00800	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.0142	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		2.30	0.520	1.50	mg/L	1.00	100	PRB	09/18/25	1126	2863960	5
Calcium		375	8.00	20.0	mg/L	1.00	100					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2050	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	HC1	09/16/25	0905	2863959
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-33S	Project:	GPCC00325
Sample ID:	741267009	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-BRGWC-35S
Sample ID: 741267010
Matrix: WG
Collect Date: 03-SEP-25 13:50
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.40	0.0670	0.200	mg/L		1	TXT1	09/05/25	2107	2858541	1
Fluoride	J	0.0847	0.0330	0.100	mg/L		1					
Sulfate		241	3.33	10.0	mg/L		25	TXT1	09/06/25	0816	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1009	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/16/25	1658	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0300	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00639	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		2.46	0.104	0.300	mg/L	1.00	20	PRB	09/18/25	1249	2858329	5
Calcium		63.3	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		505	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-35S	Project:	GPCC00325
Sample ID:	741267010	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-36S	Project:	GPCC00325
Sample ID:	741267011	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	03-SEP-25 09:40		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		8.21	0.0670	0.200	mg/L		1	TXT1	09/05/25	2139	2858541	1
Fluoride	J	0.0810	0.0330	0.100	mg/L		1					
Sulfate		199	2.66	8.00	mg/L		20	TXT1	09/06/25	1159	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1010	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2034	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0257	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		39.8	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00802	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00151	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.05	0.0520	0.150	mg/L	1.00	10	PRB	09/18/25	1252	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		394	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-BRGWC-36S	Project:	GPCC00325
Sample ID:	741267011	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-PZ-52D
Sample ID: 741267012
Matrix: WG
Collect Date: 03-SEP-25 15:09
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.16	0.0670	0.200	mg/L		1	TXT1	09/05/25	2210	2858541	1
Fluoride		1.88	0.0330	0.100	mg/L		1					
Sulfate		63.9	0.665	2.00	mg/L		5	TXT1	09/06/25	1230	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1012	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2037	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0163	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		47.6	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00281	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0180	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00641	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0750	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1302	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		311	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-PZ-52D	Project:	GPCC00325
Sample ID:	741267012	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-PZ-13S
Sample ID: 741267013
Matrix: WG
Collect Date: 03-SEP-25 12:25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.01	0.0670	0.200	mg/L		1	TXT1	09/05/25	2242	2858541	1
Fluoride	J	0.0545	0.0330	0.100	mg/L		1					
Sulfate		104	1.33	4.00	mg/L		10	TXT1	09/06/25	1302	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1014	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2040	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0475	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.000501	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		21.6	0.0800	0.200	mg/L	1.00	1					
Chromium		0.0125	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00333	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.0144	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1308	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		223	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-PZ-13S	Project:	GPCC00325
Sample ID:	741267013	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-PZ-70I
Sample ID: 741267014
Matrix: WG
Collect Date: 03-SEP-25 09:30
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.85	0.0670	0.200	mg/L		1	TXT1	09/06/25	0018	2858541	1
Fluoride	J	0.0577	0.0330	0.100	mg/L		1					
Sulfate		134	1.33	4.00	mg/L		10	TXT1	09/06/25	1334	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury		0.00108	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1016	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2043	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0215	0.000670	0.00400	mg/L	1.00	1					
Beryllium	J	0.000347	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		31.2	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000481	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00407	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00477	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.940	0.0520	0.150	mg/L	1.00	10	PRB	09/18/25	1310	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		261	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-PZ-70I	Project:	GPCC00325
Sample ID:	741267014	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID: BRA-APE-FD-05
Sample ID: 741267015
Matrix: WG
Collect Date: 03-SEP-25 12:00
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		8.23	0.0670	0.200	mg/L		1	TXT1	09/06/25	0153	2858541	1
Fluoride	J	0.0613	0.0330	0.100	mg/L		1					
Sulfate		198	2.66	8.00	mg/L		20	TXT1	09/06/25	1510	2858541	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1017	2859406	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2045	2858329	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0259	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		40.0	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00742	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.01	0.0520	0.150	mg/L	1.00	10	PRB	09/18/25	1314	2858329	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		401	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-FD-05	Project:	GPCC00325
Sample ID:	741267015	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-FB-08	Project:	GPCC00325
Sample ID:	741267016	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	03-SEP-25 12:20		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	09/05/25	1341	2858541	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1022	2859406	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2048	2858329	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1317	2858329	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

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Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-FB-08	Project:	GPCC00325
Sample ID:	741267016	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: September 19, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-EB-10	Project:	GPCC00325
Sample ID:	741267017	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	03-SEP-25 14:12		
Receive Date:	04-SEP-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	J	0.129	0.0670	0.200	mg/L		1	TXT1	09/05/25	1413	2858541	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	J	0.148	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	09/09/25	1024	2859406	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	09/15/25	2051	2858329	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		0.285	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	09/18/25	1319	2858329	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/09/25	1533	2859945	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/05/25	0840	2858328
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/08/25	1200	2859404

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 19, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Plant Branch Ash Ponds

Client Sample ID:	BRA-APE-EB-10	Project:	GPCC00325
Sample ID:	741267017	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: September 19, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2858541												
QC1206224328 741267001 DUP												
Chloride			30.1		29.9	mg/L	0.516	^		(+/-10.0)	TXT1	09/06/25 03:29
Fluoride			0.113		0.110	mg/L	2.6	^		(+/-0.100)		09/05/25 15:48
Sulfate			499		499	mg/L	0.0571			(0%-20%)		09/06/25 03:29
QC1206224329 741267014 DUP												
Chloride			4.85		4.86	mg/L	0.115			(0%-20%)		09/06/25 00:50
Fluoride		J	0.0577	J	0.0412	mg/L	33.4	^		(+/-0.100)		
Sulfate			134		134	mg/L	0.21			(0%-20%)		09/06/25 14:06
QC1206224327 LCS												
Chloride	5.00				4.61	mg/L			92.1	(90%-110%)		09/05/25 12:05
Fluoride	2.50				2.35	mg/L			94	(90%-110%)		
Sulfate	10.0				9.43	mg/L			94.3	(90%-110%)		
QC1206224326 MB												
Chloride				U	ND	mg/L						09/05/25 11:34
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2858541										
QC1206224330 741267001 MS										
Chloride	250	30.1		259	mg/L		91.6	(90%-110%)	TXT1	09/06/25 04:01
Fluoride	2.50	0.113		2.37	mg/L		90.4	(90%-110%)		09/05/25 16:20
Sulfate	500	499		1000	mg/L		100	(90%-110%)		09/06/25 04:01
QC1206224331 741267014 MS										
Chloride	5.00	4.85		10.0	mg/L		104	(90%-110%)		09/06/25 01:22
Fluoride	2.50	0.0577	J	2.37	mg/L		92.4	(90%-110%)		
Sulfate	100	134		235	mg/L		101	(90%-110%)		09/06/25 14:38
Metals Analysis - ICPMS										
Batch 2858329										
QC1206223931 LCS										
Antimony	0.0500			0.0479	mg/L		95.9	(80%-120%)	PRB	09/16/25 16:16
Arsenic	0.0500			0.0499	mg/L		99.8	(80%-120%)		
Barium	0.0500			0.0507	mg/L		101	(80%-120%)		
Beryllium	0.0500			0.0568	mg/L		114	(80%-120%)		
Boron	0.100			0.105	mg/L		105	(80%-120%)		09/16/25 20:54
Cadmium	0.0500			0.0501	mg/L		100	(80%-120%)		09/16/25 16:16
Calcium	2.00			2.07	mg/L		104	(80%-120%)		

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2858329										
Chromium	0.0500			0.0509	mg/L		102	(80%-120%)	PRB	09/16/25 16:16
Cobalt	0.0500			0.0505	mg/L		101	(80%-120%)		
Lead	0.0500			0.0514	mg/L		103	(80%-120%)		
Lithium	0.0500			0.0536	mg/L		107	(80%-120%)		
Molybdenum	0.0500			0.0513	mg/L		103	(80%-120%)		
Selenium	0.0500			0.0504	mg/L		101	(80%-120%)		
Thallium	0.0500			0.0493	mg/L		98.5	(80%-120%)		
QC1206223930 MB										
Antimony			U	ND	mg/L					09/16/25 16:13
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					09/16/25 20:51
Cadmium			U	ND	mg/L					09/16/25 16:13
Calcium			U	ND	mg/L					

QC Summary

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2858329											
Chromium				U	ND	mg/L				PRB	09/16/25 16:13
Cobalt				U	ND	mg/L					
Lead				U	ND	mg/L					
Lithium				U	ND	mg/L					
Molybdenum				U	ND	mg/L					
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206223932 741267001 MS											
Antimony	0.0500	U	ND		0.0497	mg/L		99.3	(75%-125%)		09/16/25 16:21
Arsenic	0.0500	U	ND		0.0533	mg/L		105	(75%-125%)		
Barium	0.0500		0.0419		0.0911	mg/L		98.3	(75%-125%)		
Beryllium	0.0500	J	0.000294		0.0561	mg/L		112	(75%-125%)		
Boron	0.100		2.00		2.33	mg/L		N/A	(75%-125%)		09/18/25 11:55
Cadmium	0.0500	J	0.000304		0.0498	mg/L		99.1	(75%-125%)		09/16/25 16:21
Calcium	2.00		164		167	mg/L		N/A	(75%-125%)		09/18/25 11:55

QC Summary

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2858329											
Chromium	0.0500	U	ND		0.0491	mg/L		97.6	(75%-125%)	PRB	09/16/25 16:21
Cobalt	0.0500		0.00846		0.0564	mg/L		95.8	(75%-125%)		
Lead	0.0500	U	ND		0.0468	mg/L		93.5	(75%-125%)		
Lithium	0.0500	U	ND		0.0547	mg/L		107	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0535	mg/L		107	(75%-125%)		
Selenium	0.0500	U	ND		0.0531	mg/L		105	(75%-125%)		
Thallium	0.0500	U	ND		0.0457	mg/L		91.3	(75%-125%)		
QC1206223933 741267001 MSD											
Antimony	0.0500	U	ND		0.0481	mg/L	3.11	96.2	(0%-20%)		09/16/25 16:24
Arsenic	0.0500	U	ND		0.0535	mg/L	0.528	105	(0%-20%)		
Barium	0.0500		0.0419		0.0910	mg/L	0.067	98.2	(0%-20%)		
Beryllium	0.0500	J	0.000294		0.0553	mg/L	1.4	110	(0%-20%)		
Boron	0.100		2.00		2.18	mg/L	6.56	N/A	(0%-20%)		09/18/25 11:58
Cadmium	0.0500	J	0.000304		0.0493	mg/L	1.06	98	(0%-20%)		09/16/25 16:24
Calcium	2.00		164		161	mg/L	3.81	N/A	(0%-20%)		09/18/25 11:58

QC Summary

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2858329											
Chromium	0.0500	U	ND		0.0491	mg/L	0.0387	97.5	(0%-20%)	PRB	09/16/25 16:24
Cobalt	0.0500		0.00846		0.0568	mg/L	0.811	96.7	(0%-20%)		
Lead	0.0500	U	ND		0.0473	mg/L	1.06	94.5	(0%-20%)		
Lithium	0.0500	U	ND		0.0534	mg/L	2.42	104	(0%-20%)		
Molybdenum	0.0500	U	ND		0.0534	mg/L	0.247	107	(0%-20%)		
Selenium	0.0500	U	ND		0.0507	mg/L	4.62	99.9	(0%-20%)		
Thallium	0.0500	U	ND		0.0457	mg/L	0.125	91.2	(0%-20%)		
QC1206223935 741267001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/16/25 16:30
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			41.9		8.40	ug/L	.219		(0%-20%)		
Beryllium		J	0.294	U	ND	ug/L	N/A		(0%-20%)		
Boron			99.9		22.8	ug/L	14.1		(0%-20%)		09/18/25 12:00
Cadmium		J	0.304	U	ND	ug/L	N/A		(0%-20%)		09/16/25 16:30
Calcium			8220		1570	ug/L	4.34		(0%-20%)		09/18/25 12:00

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2858329										
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	09/16/25 16:30
Cobalt		8.46		1.80	ug/L	6.55		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Batch 2863960										
QC1206234865 LCS										
Antimony	0.0500			0.0483	mg/L		96.7	(80%-120%)	PRB	09/17/25 03:51
Arsenic	0.0500			0.0492	mg/L		98.4	(80%-120%)		
Barium	0.0500			0.0500	mg/L		100	(80%-120%)		
Beryllium	0.0500			0.0553	mg/L		111	(80%-120%)		
Boron	0.100			0.113	mg/L		113	(80%-120%)		09/18/25 11:02
Cadmium	0.0500			0.0498	mg/L		99.6	(80%-120%)		09/17/25 03:51
Calcium	2.00			2.16	mg/L		108	(80%-120%)		09/18/25 11:02

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2863960										
Chromium	0.0500			0.0492	mg/L		98.4	(80%-120%)	PRB	09/17/25 03:51
Cobalt	0.0500			0.0502	mg/L		100	(80%-120%)		
Lead	0.0500			0.0511	mg/L		102	(80%-120%)		
Lithium	0.0500			0.0524	mg/L		105	(80%-120%)		
Molybdenum	0.0500			0.0500	mg/L		99.9	(80%-120%)		
Selenium	0.0500			0.0479	mg/L		95.8	(80%-120%)		
Thallium	0.0500			0.0488	mg/L		97.6	(80%-120%)		
QC1206234864 MB										
Antimony			U	ND	mg/L					09/17/25 03:48
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					09/18/25 10:59
Cadmium			U	ND	mg/L					09/17/25 03:48
Calcium			U	ND	mg/L					09/18/25 10:59

QC Summary

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2863960											
Chromium				U	ND	mg/L				PRB	09/17/25 03:48
Cobalt				U	ND	mg/L					
Lead				U	ND	mg/L					
Lithium				U	ND	mg/L					
Molybdenum				U	ND	mg/L					
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206234866 741267009 MS											
Antimony	0.0500	U	ND		0.0489	mg/L		97.5	(75%-125%)		09/17/25 03:57
Arsenic	0.0500		0.00532		0.0595	mg/L		108	(75%-125%)		
Barium	0.0500		0.0344		0.0809	mg/L		93.1	(75%-125%)		
Beryllium	0.0500		0.000859		0.0557	mg/L		110	(75%-125%)		
Boron	0.100		2.30		11.4	mg/L		N/A	(75%-125%)		09/18/25 11:29
Cadmium	0.0500	J	0.000738		0.0490	mg/L		96.5	(75%-125%)		09/17/25 03:57
Calcium	2.00		375		1840	mg/L		N/A	(75%-125%)		09/18/25 11:29

QC Summary

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2863960											
Chromium	0.0500	U	ND		0.0493	mg/L		98.2	(75%-125%)	PRB	09/17/25 03:57
Cobalt	0.0500		0.0784		0.125	mg/L		93.8	(75%-125%)		
Lead	0.0500	U	ND		0.0448	mg/L		89.3	(75%-125%)		
Lithium	0.0500	J	0.00800		0.0625	mg/L		109	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0543	mg/L		108	(75%-125%)		
Selenium	0.0500		0.0142		0.0721	mg/L		116	(75%-125%)		
Thallium	0.0500	U	ND		0.0451	mg/L		89.4	(75%-125%)		
QC1206234867 741267009 MSD											
Antimony	0.0500	U	ND		0.0487	mg/L	0.424	97.1	(0%-20%)		09/17/25 03:59
Arsenic	0.0500		0.00532		0.0589	mg/L	1.04	107	(0%-20%)		
Barium	0.0500		0.0344		0.0792	mg/L	2.14	89.7	(0%-20%)		
Beryllium	0.0500		0.000859		0.0533	mg/L	4.44	105	(0%-20%)		
Boron	0.100		2.30		11.2	mg/L	1.71	N/A	(0%-20%)		09/18/25 11:31
Cadmium	0.0500	J	0.000738		0.0476	mg/L	2.85	93.7	(0%-20%)		09/17/25 03:59
Calcium	2.00		375		1810	mg/L	1.64	N/A	(0%-20%)		09/18/25 11:31

QC Summary

Workorder: **741267**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2863960											
Chromium	0.0500	U	ND		0.0473	mg/L	4.14	94.2	(0%-20%)	PRB	09/17/25 03:59
Cobalt	0.0500		0.0784		0.123	mg/L	1.58	89.9	(0%-20%)		
Lead	0.0500	U	ND		0.0434	mg/L	3.18	86.5	(0%-20%)		
Lithium	0.0500	J	0.00800		0.0611	mg/L	2.25	106	(0%-20%)		
Molybdenum	0.0500	U	ND		0.0540	mg/L	0.502	108	(0%-20%)		
Selenium	0.0500		0.0142		0.0692	mg/L	4.21	110	(0%-20%)		
Thallium	0.0500	U	ND		0.0430	mg/L	4.93	85.1	(0%-20%)		
QC1206234869 741267009 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/17/25 04:05
Arsenic			5.32	U	ND	ug/L	N/A		(0%-20%)		
Barium			34.4		6.88	ug/L	.0349		(0%-20%)		
Beryllium			0.859	U	ND	ug/L	N/A		(0%-20%)		
Boron			23.0	J	6.86	ug/L	48.9		(0%-20%)		09/18/25 11:34
Cadmium		J	0.738	U	ND	ug/L	N/A		(0%-20%)		09/17/25 04:05
Calcium			3750		757	ug/L	.768		(0%-20%)		09/18/25 11:34

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2863960										
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	09/17/25 04:05
Cobalt		78.4		16.0	ug/L	2.29		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	8.00	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Selenium		14.2	J	2.99	ug/L	5.16		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2859406										
QC1206226240 741267001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	09/09/25 09:47
QC1206226239 LCS										
Mercury 0.00200				0.00214	mg/L		107	(80%-120%)		09/09/25 09:43
QC1206226238 MB										
Mercury			U	ND	mg/L					09/09/25 09:42
QC1206226241 741267001 MS										
Mercury 0.00200	U	ND		0.00132	mg/L		65.2*	(75%-125%)		09/09/25 09:48
QC1206226242 741267001 PS										
Mercury 2.00	U	ND		1.18	ug/L		58.5*	(80%-120%)		09/09/25 09:50

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2859421										
QC1206226285 740909005 DUP										
Total Dissolved Solids		250		254	mg/L	1.59		(0%-5%)	SC1	09/08/25 14:19
QC1206226284 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/08/25 14:19
QC1206226283 MB										
Total Dissolved Solids			U	ND	mg/L					09/08/25 14:19
Batch 2859945										
QC1206227307 741267013 DUP										
Total Dissolved Solids		223		214	mg/L	4.12		(0%-5%)	SC1	09/09/25 15:33
QC1206227305 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/09/25 15:33
QC1206227304 MB										
Total Dissolved Solids			U	ND	mg/L					09/09/25 15:33

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

QC Summary

Workorder: **741267**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A RPD or %Recovery limits do not apply.

ND Analyte concentration is not detected above the detection limit

E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria

NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies

N1 See case narrative

Y Other specific qualifiers were required to properly define the results. Consult case narrative.

R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

B The target analyte was detected in the associated blank.

e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

x Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 741267

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2858329

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2858328

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741267001	BRA-BRGWC-34S
741267002	BRA-BRGWC-37S
741267003	BRA-BRGWC-38S
741267004	BRA-PZ-53D
741267005	BRA-APE-FD-04
741267006	BRA-APE-FB-07
741267007	BRA-APE-EB-09
741267008	BRA-BRGWC-17S
741267010	BRA-BRGWC-35S
741267011	BRA-BRGWC-36S
741267012	BRA-PZ-52D
741267013	BRA-PZ-13S
741267014	BRA-PZ-70I
741267015	BRA-APE-FD-05
741267016	BRA-APE-FB-08
741267017	BRA-APE-EB-10
1206223930	Method Blank (MB)**ICP-MS**
1206223931	Laboratory Control Sample (LCS)
1206223935	741267001(BRA-BRGWC-34SL) Serial Dilution (SD)
1206223932	741267001(BRA-BRGWC-34SS) Matrix Spike (MS)
1206223933	741267001(BRA-BRGWC-34SSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 741267001 (BRA-BRGWC-34S), 741267003 (BRA-BRGWC-38S), 741267004 (BRA-PZ-53D), 741267005 (BRA-APE-FD-04), 741267008 (BRA-BRGWC-17S), 741267010 (BRA-BRGWC-35S), 741267011 (BRA-BRGWC-36S), 741267014 (BRA-PZ-70I) and 741267015 (BRA-APE-FD-05) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	741267								
	001	**003**	**004**	**005**	**008**	**010**	**011**	**014**	**015**
Boron	20X	10X	10X	10X		20X	10X	10X	10X
Calcium	20X		10X		10X	20X			

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2863960

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2863959

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741267009	BRA-BRGWC-33S
1206234864	Method Blank (MB)**ICP-MS**
1206234865	Laboratory Control Sample (LCS)
1206234869	741267009(BRA-BRGWC-33SL) Serial Dilution (SD)
1206234866	741267009(BRA-BRGWC-33SS) Matrix Spike (MS)
1206234867	741267009(BRA-BRGWC-33SSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target

analyte concentrations into the linear calibration range. Sample 741267009 (BRA-BRGWC-33S) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	741267 009
Boron	100X
Calcium	100X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2859406

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2859404

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741267001	BRA-BRGWC-34S
741267002	BRA-BRGWC-37S
741267003	BRA-BRGWC-38S
741267004	BRA-PZ-53D
741267005	BRA-APE-FD-04
741267006	BRA-APE-FB-07
741267007	BRA-APE-EB-09
741267008	BRA-BRGWC-17S
741267009	BRA-BRGWC-33S
741267010	BRA-BRGWC-35S
741267011	BRA-BRGWC-36S
741267012	BRA-PZ-52D
741267013	BRA-PZ-13S
741267014	BRA-PZ-70I
741267015	BRA-APE-FD-05
741267016	BRA-APE-FB-08
741267017	BRA-APE-EB-10
1206226238	Method Blank (MB)**CVAA**
1206226239	Laboratory Control Sample (LCS)
1206226240	741267001(BRA-BRGWC-34SD) Sample Duplicate (DUP)
1206226241	741267001(BRA-BRGWC-34SS) Matrix Spike (MS)
1206226242	741267001(BRA-BRGWC-34SPS) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS/MSD) Recovery Statement
The percent recoveries (%R) obtained from the MS/MSD analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analyte. The post spike also did not meet the required control limits; thus, confirming matrix interferences and/or sample non-homogeneity.

Sample	Analyte	Value
1206226241 (BRA-BRGWC-34SMS)	Mercury	65.2* (75%-125%)

Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the PS analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The PS did not meet the recommended quality control acceptance criteria for percent recoveries for all applicable analytes and verifies the presence of matrix interferences.

Sample	Analyte	Value
1206226242 (BRA-BRGWC-34SPS)	Mercury	58.5* (80%-120%)

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2858541

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741267001	BRA-BRGWC-34S
741267002	BRA-BRGWC-37S
741267003	BRA-BRGWC-38S
741267004	BRA-PZ-53D
741267005	BRA-APE-FD-04
741267006	BRA-APE-FB-07
741267007	BRA-APE-EB-09
741267008	BRA-BRGWC-17S
741267009	BRA-BRGWC-33S
741267010	BRA-BRGWC-35S
741267011	BRA-BRGWC-36S
741267012	BRA-PZ-52D
741267013	BRA-PZ-13S
741267014	BRA-PZ-70I
741267015	BRA-APE-FD-05
741267016	BRA-APE-FB-08
741267017	BRA-APE-EB-10
1206224326	Method Blank (MB)
1206224327	Laboratory Control Sample (LCS)
1206224328	741267001(BRA-BRGWC-34S) Sample Duplicate (DUP)
1206224329	741267014(BRA-PZ-70I) Sample Duplicate (DUP)
1206224330	741267001(BRA-BRGWC-34S) Matrix Spike (MS)

1206224331 741267014(BRA-PZ-70I) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1206224328 (BRA-BRGWC-34SDUP), 1206224329 (BRA-PZ-70IDUP), 1206224330 (BRA-BRGWC-34SMS), 1206224331 (BRA-PZ-70IMS), 741267001 (BRA-BRGWC-34S), 741267003 (BRA-BRGWC-38S), 741267004 (BRA-PZ-53D), 741267005 (BRA-APE-FD-04), 741267008 (BRA-BRGWC-17S), 741267009 (BRA-BRGWC-33S), 741267010 (BRA-BRGWC-35S), 741267011 (BRA-BRGWC-36S), 741267012 (BRA-PZ-52D), 741267013 (BRA-PZ-13S), 741267014 (BRA-PZ-70I) and 741267015 (BRA-APE-FD-05) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	741267									
	001	**003**	**004**	**005**	**008**	**009**	**010**	**011**	**012**	**013**
Chloride	50X	1X	1X	1X	1X	100X	1X	1X	1X	1X
Sulfate	50X	20X	50X	20X	20X	100X	25X	20X	5X	10X

Analyte	741267	
	014	**015**
Sulfate	10X	20X

Miscellaneous Information

Manual Integrations
Samples 1206224329 (BRA-PZ-70IDUP), 741267002 (BRA-BRGWC-37S), 741267003 (BRA-BRGWC-38S), 741267004 (BRA-PZ-53D), 741267005 (BRA-APE-FD-04), 741267008 (BRA-BRGWC-17S), 741267010 (BRA-BRGWC-35S), 741267011 (BRA-BRGWC-36S), 741267013 (BRA-PZ-13S), 741267014 (BRA-PZ-70I) and 741267015 (BRA-APE-FD-05) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2859421

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741267001	BRA-BRGWC-34S
741267002	BRA-BRGWC-37S
741267003	BRA-BRGWC-38S

741267004	BRA-PZ-53D
741267005	BRA-APE-FD-04
741267006	BRA-APE-FB-07
741267007	BRA-APE-EB-09
1206226283	Method Blank (MB)
1206226284	Laboratory Control Sample (LCS)
1206226285	740909005(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2859945

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741267008	BRA-BRGWC-17S
741267009	BRA-BRGWC-33S
741267010	BRA-BRGWC-35S
741267011	BRA-BRGWC-36S
741267012	BRA-PZ-52D
741267013	BRA-PZ-13S
741267014	BRA-PZ-70I
741267015	BRA-APE-FD-05
741267016	BRA-APE-FB-08
741267017	BRA-APE-EB-10
1206227304	Method Blank (MB)
1206227305	Laboratory Control Sample (LCS)
1206227307	741267013(BRA-PZ-13S) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0006

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics
gel.com

Chain of Custody and Analytical Request

GEL Work Order Number: 741268 741267

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - E
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA/CK ACC
Send Results To: SCS & Geosyntec Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm/dd/yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 (NI)	Radium 226 & 228 SW-846 9315, 9320 (NI)	<-- Preservative Type (6)
BRA- BRGWC-34S	09/02/25	1622	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-37S	09/02/25	1415	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-38S	09/02/25	1252	G	N	WG			6	✓	✓	✓	
BRA- PZ-53D	09/02/25	1452	G	N	WG			6	✓	✓	✓	
BRA- APE-FD-04	09/02/25	—	G	N	WG			6	✓	✓	✓	
BRA- APE-FB-07	09/02/25	1450	G	N	WQ			6	✓	✓	✓	
BRA- APE-EB-09	09/02/25	1615	G	N	WQ			6	✓	✓	✓	
BRA- BRGWC-17S	09/03/25	1155	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-33S	09/03/25	1058	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-35S	09/03/25	1350	G	N	WG			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	9/4/25	0845	[signature]	9/4/25	0845
2	[signature]	9/4/25	1017	[signature]	9-4-25	10:14
3	[signature]	9.4.25	14:35	[signature]	9/4/25	14:35

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: _____ Specify: _____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,Hg

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* _____ °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0006

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - E | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA/CK ACC | Send Results To: SCS & Geosyntec Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm/dd/yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 (NI)	Radium 226 & 228 SW-846 9315, 9320 (NI)	<-- Preservative Type (6)
BRA- BRGWC-36S	~~09/03/25~~ 09/02/25	0940	G	N	WG			6	✓	✓	✓	Date = 09/03/25
BRA- PZ-52D	09/03/25	1509	G	N	WG			6	✓	✓	✓	
BRA- PZ-13S	09/03/25	1225	G	N	WG			6	✓	✓	✓	
BRA- PZ-70I	09/03/25	0930	G	N	WG			6	✓	✓	✓	
BRA- APE-FD-05	09/03/25	—	G	N	WG			6	✓	✓	✓	
BRA- APE-FB-08	09/03/25	1220	G	N	WQ			6	✓	✓	✓	
BRA- APE-EB-10	09/03/25	1410	G	N	WQ			6	✓	✓	✓	
BRA-												
BRA-												
BRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		9/4/25	0845		9/4/25	0845
2		9/4/25	1017		9-4-25	10:18
3		9-4-25	1435		9/4/25	1435

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* ____ °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

West Valley Cleanup Alliance, LLC (WVCA) 10282 Rock Springs Rd. West Valley, NY 14171

CHAIN-OF-CUSTODY / REQUEST-FOR-ANALYSIS / PACKING SHEET

740674

Sample Type: LIQUID- SURFACE WATER

Electronic Disk - YES

External Lab Destination	Purchase Order Number	Charge Number	Release Number	Report Format Level	Priority	OrderID:
General Engineering Laboratories Inc	WVCA-00173	1003.QA.010102.01	3671	1	45 Days	250702-04 Work Order: SU

Custodian Signature: [signature] **C-O-C Reviewed By:** [signature]

Report Data To: Marty Regan (716) 472-2073
Report Data To: Chet Wrotniak (716)982-6403

Location Code	Sample ID	Date	Time	# Cont	Preservative	Tests	
WNERB53	2025-05146	07/09/25	14:55	1	HNO3	ab,	DECANT - Settle for minimum of one(1) hour.
WNERB53	2025-05147	07/09/25	14:55	1	None	h_3,	
WNFRC67	2025-05150	07/09/25	14:45	1	HNO3	ab,	DECANT - Settle for minimum of one(1) hour.
WNFRC67	2025-05151	07/09/25	14:45	1	None	h_3,	

Project Notes: 2025 3RD QTR

Signature Rel: Date/Time [signature] 8/28/25 1000	Signature Rel: Date/Time
Signature Rec: Date/Time [signature] 8/29/25 1000	Signature Rec: Date/Time
Signature Rel: Date/Time	Signature Rel: Date/Time
Signature Rec: Date/Time	Signature Rec: Date/Time
Signature Rel: Date/Time	Sample Receipt at Lab: Cool? YES NO Temp: C
Signature Rec: Date/Time	Signature Rec: Date/Time YES NO

8/28/2025 @ 9:15

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	**SDG/AR/COC/Work Order:** 741267 741268 741293 741285	**GEL PM:**
Received By: Joel boatwright	**Date Received at GEL:** 09.04.25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? (Y)/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler1	4				
Cooler2	2				
Cooler3	2				
Cooler4	3				
Cooler5	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 9/5/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: JB Date Received: 09-04-25 SDG/AR/COC/Work Order: 741285-741267

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only)
Cooler 6	4				
Cooler 7	3				
Cooler 8	3				
Cooler 9	2				

Additional Notes:

PM (or PMA) review: Initials HH Date 9/5/25 Page 2 of 3

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: JB Date Received: 09-01-25 SDG/AR/COC/Work Order: 741285 741267

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
Cooler 10	2				
Cooler 11	4				
Cooler 12	2				

Additional Notes:

PM (or PMA) review: Initials HH Date 9/5/25 Page 3 of 3

List of current GEL Certifications as of 19 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

September 24, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Ash Ponds Relog:
Work Order: 740275

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 27, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
740275001	BRA-BRGWA-2S	Ground Water	08/26/25 10:50	08/27/25 12:55
740275002	BRA-BRGWA-2I	Ground Water	08/26/25 09:55	08/27/25 12:55
740275003	BRA-BRGWA-5S	Ground Water	08/26/25 11:25	08/27/25 12:55
740275004	BRA-BRGWA-5I	Ground Water	08/26/25 12:25	08/27/25 12:55
740275005	BRA-BRGWA-6S	Ground Water	08/26/25 11:18	08/27/25 12:55

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

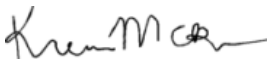
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	24-SEP-2025
EPA 903.1 Modified	24-SEP-2025
EPA 904.0/SW846 9320 Modified	22-SEP-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0006
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC002 Georgia Power Company

Client SDG: 740275 GEL Work Order: 740275

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

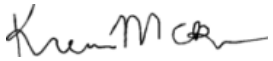
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWA-2S
Sample ID: 740275001
Matrix: WG
Collect Date: 26-AUG-25
Receive Date: 27-AUG-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.66	+/-1.34	2.15	+/-1.42	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	2.04	+/-1.39	2.15	+/-1.47		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.374	+/-0.361	0.539	+/-0.366	1.00	pCi/L			LB2	09/24/25	0839	2859206	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2854737	72	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWA-2I
Sample ID: 740275002
Matrix: WG
Collect Date: 26-AUG-25
Receive Date: 27-AUG-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.32	+/-1.50	1.93	+/-1.92	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.90	+/-1.61	1.93	+/-2.03		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.59	+/-0.604	0.399	+/-0.669	1.00	pCi/L			LB2	09/24/25	0839	2859206	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2854737	87.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWA-5S
Sample ID: 740275003
Matrix: WG
Collect Date: 26-AUG-25
Receive Date: 27-AUG-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.54	+/-1.51	2.06	+/-1.81	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.65	+/-1.52	2.06	+/-1.82		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.108	+/-0.197	0.378	+/-0.198	1.00	pCi/L			LB2	09/24/25	0839	2859206	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2854737	75.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWA-5I
Sample ID: 740275004
Matrix: WG
Collect Date: 26-AUG-25
Receive Date: 27-AUG-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.83	+/-1.36	2.15	+/-1.46	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.27	+/-1.42	2.15	+/-1.51		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.433	+/-0.397	0.599	+/-0.406	1.00	pCi/L			LB2	09/24/25	0839	2859206	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2854737	80.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWA-6S
Sample ID: 740275005
Matrix: WG
Collect Date: 26-AUG-25
Receive Date: 27-AUG-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.71	+/-1.28	2.02	+/-1.37	3.00	pCi/L			JE1	09/22/25	0920	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.13	+/-1.32	2.02	+/-1.41		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.417	+/-0.339	0.375	+/-0.345	1.00	pCi/L			LB2	09/24/25	0917	2859206	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2854737	77.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2854756

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740275001	BRA-BRGWA-2S
740275002	BRA-BRGWA-2I
740275003	BRA-BRGWA-5S
740275004	BRA-BRGWA-5I
740275005	BRA-BRGWA-6S

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2854737

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740275001	BRA-BRGWA-2S
740275002	BRA-BRGWA-2I
740275003	BRA-BRGWA-5S
740275004	BRA-BRGWA-5I
740275005	BRA-BRGWA-6S
1206216987	Method Blank (MB)
1206216988	740273001(BRA-BRGWC-27I) Sample Duplicate (DUP)
1206216989	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Sample 1206216987 (MB) was recounted due to a suspected blank false positive. The recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2859206

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
740275001	BRA-BRGWA-2S
740275002	BRA-BRGWA-2I
740275003	BRA-BRGWA-5S
740275004	BRA-BRGWA-5I
740275005	BRA-BRGWA-6S
1206225894	Method Blank (MB)
1206225895	740068001(NonSDG) Sample Duplicate (DUP)
1206225896	740068001(NonSDG) Matrix Spike (MS)
1206225897	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206225896 (Non SDG 740068001MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740275**

Report Date: September 24, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2854737										
QC1206216988 740273001 DUP										
Radium-228		3.35		4.59	pCi/L	31.2		(0% - 100%)	JE1	09/22/2509:20
	Uncert:	+/-1.37		+/-1.47						
	TPU:	+/-1.65		+/-1.96						
QC1206216989 LCS										
Radium-228	78.6			66.1	pCi/L		84	(75%-125%)	JE1	09/22/2509:20
	Uncert:			+/-4.44						
	TPU:			+/-19.2						
QC1206216987 MB										
Radium-228			U	2.60	pCi/L				JE1	09/22/2510:51
	Uncert:			+/-1.70						
	TPU:			+/-1.85						
Rad Ra-226										
Batch 2859206										
QC1206225895 740068001 DUP										
Radium-226	U	0.337	U	0.590	pCi/L	0		N/A	LB2	09/24/2509:17
	Uncert:	+/-0.357		+/-0.504						
	TPU:	+/-0.364		+/-0.513						
QC1206225897 LCS										
Radium-226	27.1			23.9	pCi/L		88.1	(75%-125%)	LB2	09/24/2509:17
	Uncert:			+/-2.31						
	TPU:			+/-5.56						
QC1206225894 MB										
Radium-226			U	0.339	pCi/L				LB2	09/24/2509:17
	Uncert:			+/-0.322						
	TPU:			+/-0.326						
QC1206225896 740068001 MS										
Radium-226	135 U	0.337		122	pCi/L		90.5	(75%-125%)	LB2	09/24/2509:17
	Uncert:	+/-0.357		+/-10.9						
	TPU:	+/-0.364		+/-24.7						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **740275**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.
U	Analyte was analyzed for, but not detected above the Critical Level.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0006

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

740274
740275

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - Upgradient | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: A. Auld, J. May, ACC J. Bensford | Send Results To: SCS & Geosyntec Contacts

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm/dd/yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)
BRA- BRGWA-2S	08/26/25	1050	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-2I	08/26/25	0955	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-5S	08/26/25	1125	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-5I	08/26/25	1225	G	N	WG			6	✓	✓	✓	
BRA- BRGWA-6S	08/26/25	1118	G	N	WG			6	✓	✓	✓	
BRA-												
BRA-												
BRA-												
BRA-												
BRA-												

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1 A. Auld	8-27-25	0820	1 Bobby Lyons	8-27-25	8:20
2 Bobby Lyons	8-27-25	12:55	2 C. McMahon	8/27/25	12:55
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 1 °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic Hg= Mercury
Ba = Barium Se= Selenium
Cd = Cadmium Ag= Silver
Cr = Chromium MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC

SDG/AR/COC/Work Order: 740272 740273 740274 740275 GEL PM:

Received By: Stacy Boone

Date Received at GEL: Aug 27, 2025

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR4 24 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
1	1 c				
2	1 c				
3	1 c				
4	1 c				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
1a Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
1b Did the client designate the samples are to be received as radioactive?		✓	If UN2910, is the Radioactive Shipment Survey Compliant? Yes___ No___
1c Did the RSO classify the samples as radioactive?		✓	If "Yes" to 1b or 1c, maximum Net Counts Observed must be <500cpm and <0.5 mR/hr on contact and COC notation or radioactive stickers on containers equal client designation.
1d Were the samples shipped on ice?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ✓ CPM mR/Hr
2 Are there any sample hazards to document?		✓	Classified as: Rad 1 Rad 2 Rad 3
3 Was a SDS received and reviewed by Lab Mgr?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
4 Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
5 Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
6 If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: —
				*all temperatures recorded next to tracking numbers are in Celsius
7 Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
8 Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected:
9 Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Preservation added, Lot#: If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
10 Samples received within holding time?	✓			IDs and tests affected:
11 Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
12 Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
13 Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
14 Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
15 COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

16 (PMA) review: Initials HH Date 9/2/25

Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 24 September 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

October 02, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Ash Ponds Relog:
Work Order: 741268

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 04, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
741268001	BRA-BRGWC-34S	Ground Water	09/02/25 16:22	09/04/25 14:35
741268002	BRA-BRGWC-37S	Ground Water	09/02/25 14:15	09/04/25 14:35
741268003	BRA-BRGWC-38S	Ground Water	09/02/25 12:52	09/04/25 14:35
741268004	BRA-PZ-53D	Ground Water	09/02/25 14:52	09/04/25 14:35
741268005	BRA-APE-FD-04	Ground Water	09/02/25 12:00	09/04/25 14:35
741268006	BRA-APE-FB-07	Water	09/02/25 14:50	09/04/25 14:35
741268007	BRA-APE-EB-09	Water	09/02/25 16:15	09/04/25 14:35
741268008	BRA-BRGWC-17S	Ground Water	09/03/25 11:55	09/04/25 14:35
741268009	BRA-BRGWC-33S	Ground Water	09/03/25 10:58	09/04/25 14:35
741268010	BRA-BRGWC-35S	Ground Water	09/03/25 13:50	09/04/25 14:35
741268011	BRA-BRGWC-36S	Ground Water	09/03/25 09:40	09/04/25 14:35
741268012	BRA-PZ-52D	Ground Water	09/03/25 15:09	09/04/25 14:35
741268013	BRA-PZ-13S	Ground Water	09/03/25 12:25	09/04/25 14:35
741268014	BRA-PZ-70I	Ground Water	09/03/25 09:30	09/04/25 14:35
741268015	BRA-APE-FD-05	Ground Water	09/03/25 12:00	09/04/25 14:35
741268016	BRA-APE-FB-08	Water	09/03/25 12:20	09/04/25 14:35

741268017 BRA-APE-EB-10 Water 09/03/25 14:10 09/04/25 14:35

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

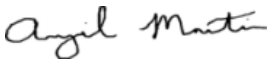
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	02-OCT-2025
EPA 903.1 Modified	02-OCT-2025
EPA 904.0/SW846 9320 Modified	01-OCT-2025
EPA 904.0/SW846 9320 Modified	02-OCT-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Abagail Martin for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0006
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC002 Georgia Power Company

Client SDG: 741268 GEL Work Order: 741268

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

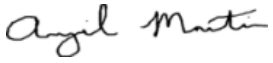
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-34S
Sample ID: 741268001
Matrix: WG
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		5.17	+/-1.42	1.89	+/-2.05	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.54	+/-1.46	1.89	+/-2.07		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.361	+/-0.335	0.494	+/-0.341	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	62	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-37S
Sample ID: 741268002
Matrix: WG
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.02	+/-0.913	1.34	+/-1.08	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.62	+/-0.985	1.34	+/-1.14		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.603	+/-0.369	0.385	+/-0.379	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	65.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-38S
Sample ID: 741268003
Matrix: WG
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.27	+/-0.933	1.24	+/-1.30	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.53	+/-0.958	1.24	+/-1.32		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.256	+/-0.215	0.280	+/-0.223	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	81.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-PZ-53D
Sample ID: 741268004
Matrix: WG
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.96	+/-0.935	1.28	+/-1.25	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.34	+/-0.987	1.28	+/-1.29		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.377	+/-0.314	0.464	+/-0.321	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	80.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APE-FD-04
Sample ID: 741268005
Matrix: WG
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.90	+/-1.65	2.69	+/-1.73	3.00	pCi/L			CH7	10/02/25	1038	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.03	+/-1.71	2.69	+/-1.79		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.13	+/-0.438	0.373	+/-0.468	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	86.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APE-FB-07
Sample ID: 741268006
Matrix: WQ
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.69	+/-1.44	1.94	+/-1.77	3.00	pCi/L			CH7	10/02/25	1038	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.10	+/-1.47	1.94	+/-1.79		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.415	+/-0.304	0.398	+/-0.313	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	79.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APE-EB-09 Project: GPCC00325
Sample ID: 741268007 Client ID: GPCC002
Matrix: WQ
Collect Date: 02-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.13	+/-1.07	1.65	+/-1.23	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.23	+/-1.17	1.65	+/-1.33		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.10	+/-0.459	0.451	+/-0.506	1.00	pCi/L			AW6	10/02/25	0747	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	74	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-17S
Sample ID: 741268008
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.13	+/-1.06	1.75	+/-1.10	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.29	+/-1.09	1.75	+/-1.13		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.170	+/-0.263	0.469	+/-0.265	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	73.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-33S
Sample ID: 741268009
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.11	+/-0.856	1.24	+/-1.04	3.00	pCi/L			CH7	10/01/25	0918	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.70	+/-0.940	1.24	+/-1.11		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.592	+/-0.387	0.472	+/-0.396	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	79.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-35S
Sample ID: 741268010
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.07	+/-0.881	1.28	+/-1.05	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.95	+/-0.981	1.28	+/-1.15		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.878	+/-0.430	0.512	+/-0.459	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	89.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-36S
Sample ID: 741268011
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.57	+/-0.865	1.34	+/-0.967	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.82	+/-0.895	1.34	+/-0.995		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.250	+/-0.231	0.319	+/-0.237	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	82.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-PZ-52D
Sample ID: 741268012
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.97	+/-1.08	1.58	+/-1.36	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.81	+/-1.16	1.58	+/-1.42		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.844	+/-0.409	0.445	+/-0.431	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	84.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-PZ-13S
Sample ID: 741268013
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.15	+/-0.801	1.27	+/-0.862	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.75	+/-0.870	1.27	+/-0.931		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.596	+/-0.339	0.381	+/-0.353	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	77.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-PZ-70I
Sample ID: 741268014
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.87	+/-0.901	1.35	+/-1.04	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.86	+/-1.02	1.35	+/-1.16		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.990	+/-0.485	0.577	+/-0.506	1.00	pCi/L			AW6	10/02/25	0821	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	78.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APE-FD-05
Sample ID: 741268015
Matrix: WG
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.99	+/-0.946	1.42	+/-1.10	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.43	+/-0.998	1.42	+/-1.14		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.441	+/-0.318	0.375	+/-0.326	1.00	pCi/L			AW6	10/02/25	0859	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	76	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APE-FB-08
Sample ID: 741268016
Matrix: WQ
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.950	+/-0.853	1.40	+/-0.892	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.64	+/-0.944	1.40	+/-0.986		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.693	+/-0.405	0.408	+/-0.420	1.00	pCi/L			AW6	10/02/25	0859	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	83.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: October 2, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APE-EB-10
Sample ID: 741268017
Matrix: WQ
Collect Date: 03-SEP-25
Receive Date: 04-SEP-25
Collector: Client

Project: GPCC00325
Client ID: GPCC002

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.44	+/-1.07	1.57	+/-1.27	3.00	pCi/L			CH7	10/01/25	0921	2858614	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.67	+/-1.12	1.57	+/-1.31		pCi/L			LXB3	10/02/25	1514	2858622	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.227	+/-0.332	0.579	+/-0.334	1.00	pCi/L			AW6	10/02/25	0859	2861250	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2858614	70.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 741268

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2858622

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741268001	BRA-BRGWC-34S
741268002	BRA-BRGWC-37S
741268003	BRA-BRGWC-38S
741268004	BRA-PZ-53D
741268005	BRA-APE-FD-04
741268006	BRA-APE-FB-07
741268007	BRA-APE-EB-09
741268008	BRA-BRGWC-17S
741268009	BRA-BRGWC-33S
741268010	BRA-BRGWC-35S
741268011	BRA-BRGWC-36S
741268012	BRA-PZ-52D
741268013	BRA-PZ-13S
741268014	BRA-PZ-70I
741268015	BRA-APE-FD-05
741268016	BRA-APE-FB-08
741268017	BRA-APE-EB-10

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2858614

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741268001	BRA-BRGWC-34S
741268002	BRA-BRGWC-37S
741268003	BRA-BRGWC-38S
741268004	BRA-PZ-53D
741268005	BRA-APE-FD-04

741268006	BRA-APE-FB-07
741268007	BRA-APE-EB-09
741268008	BRA-BRGWC-17S
741268009	BRA-BRGWC-33S
741268010	BRA-BRGWC-35S
741268011	BRA-BRGWC-36S
741268012	BRA-PZ-52D
741268013	BRA-PZ-13S
741268014	BRA-PZ-70I
741268015	BRA-APE-FD-05
741268016	BRA-APE-FB-08
741268017	BRA-APE-EB-10
1206224524	Method Blank (MB)
1206224525	741268001(BRA-BRGWC-34S) Sample Duplicate (DUP)
1206224526	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Method Blank Criteria
The blank result (See Below) is greater than the MDC but less than the required detection limit.

Sample	Analyte	Value
1206224524 (MB)	Radium-228	Result: 2.51 pCi/L > MDA: 1.40 pCi/L <= RDL: 3.00 pCi/L

Technical Information

Recounts
Samples 741268005 (BRA-APE-FD-04) and 741268006 (BRA-APE-FB-07) were re-eluted and recounted to verify sample results. The recounts are reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2861250

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
741268001	BRA-BRGWC-34S
741268002	BRA-BRGWC-37S
741268003	BRA-BRGWC-38S
741268004	BRA-PZ-53D
741268005	BRA-APE-FD-04

741268006	BRA-APE-FB-07
741268007	BRA-APE-EB-09
741268008	BRA-BRGWC-17S
741268009	BRA-BRGWC-33S
741268010	BRA-BRGWC-35S
741268011	BRA-BRGWC-36S
741268012	BRA-PZ-52D
741268013	BRA-PZ-13S
741268014	BRA-PZ-70I
741268015	BRA-APE-FD-05
741268016	BRA-APE-FB-08
741268017	BRA-APE-EB-10
1206229962	Method Blank (MB)
1206229963	741268001(BRA-BRGWC-34S) Sample Duplicate (DUP)
1206229964	741268001(BRA-BRGWC-34S) Matrix Spike (MS)
1206229965	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample
The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1206229963 (BRA-BRGWC-34SDUP)	Radium-226	RPD 106* (0.0%-100.0%) RER 2.58 (0-3)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **741268**

Report Date: October 2, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2858614										
QC1206224525 741268001 DUP										
Radium-228		5.17		1.90	pCi/L	92.4		(0% - 100%)	CH7	10/01/2509:21
	Uncert:	+/-1.42		+/-0.992						
	TPU:	+/-2.05		+/-1.12						
QC1206224526 LCS										
Radium-228	74.2			79.1	pCi/L		107	(75%-125%)	CH7	10/01/2509:21
	Uncert:			+/-4.70						
	TPU:			+/-22.5						
QC1206224524 MB										
Radium-228				2.51	pCi/L				CH7	10/01/2509:21
	Uncert:			+/-0.975						
	TPU:			+/-1.20						
Rad Ra-226										
Batch 2861250										
QC1206229963 741268001 DUP										
Radium-226	U	0.361		1.18	pCi/L	106*		(0% - 100%)	AW6	10/02/2509:36
	Uncert:	+/-0.335		+/-0.492						
	TPU:	+/-0.341		+/-0.520						
QC1206229965 LCS										
Radium-226	27.0			27.9	pCi/L		103	(75%-125%)	AW6	10/02/2509:36
	Uncert:			+/-2.15						
	TPU:			+/-6.75						
QC1206229962 MB										
Radium-226			U	0.104	pCi/L				AW6	10/02/2508:59
	Uncert:			+/-0.322						
	TPU:			+/-0.323						
QC1206229964 741268001 MS										
Radium-226	135 U	0.361		121	pCi/L		89.8	(75%-125%)	AW6	10/02/2509:36
	Uncert:	+/-0.335		+/-11.0						
	TPU:	+/-0.341		+/-22.5						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **741268**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.
U	Analyte was analyzed for, but not detected above the Critical Level.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0006

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

741268
741267

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - E
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA/CK ACC
Send Results To: SCS & Geosyntec Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm/dd/yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 (NI)	Radium 226 & 228 SW-846 9315, 9320 (NI)	<-- Preservative Type (6)
BRA- BRGWC-34S	09/02/25	1622	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-37S	09/02/25	1415	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-38S	09/02/25	1252	G	N	WG			6	✓	✓	✓	
BRA- PZ-53D	09/02/25	1452	G	N	WG			6	✓	✓	✓	
BRA- APE-FD-04	09/02/25	—	G	N	WG			6	✓	✓	✓	
BRA- APE-FB-07	09/02/25	1450	G	N	WQ			6	✓	✓	✓	
BRA- APE-EB-09	09/02/25	1615	G	N	WQ			6	✓	✓	✓	
BRA- BRGWC-17S	09/03/25	1155	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-33S	09/03/25	1058	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-35S	09/03/25	1350	G	N	WG			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		9/4/25	0845		9/4/25	0845
2		9/4/25	1017		9-4-25	10:17
3		9.4.25	1435		9/4/25	14:35

TAT Requested: Normal: x Rush: Specify: (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,Hg

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number [1]:
PO Number: GPC82177-0006

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - E | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA/CK ACC | Send Results To: SCS & Geosyntec Contacts

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm/dd/yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
BRA- BRGWC-36S	~~09/03/25~~ 25	0940	G	N	WG			6	✓	✓	✓	Date = 09/03/25
BRA- PZ-52D	09/03/25	1509	G	N	WG			6	✓	✓	✓	
BRA- PZ-13S	09/03/25	1225	G	N	WG			6	✓	✓	✓	
BRA- PZ-70I	09/03/25	0930	G	N	WG			6	✓	✓	✓	
BRA- APE-FD-05	09/03/25	—	G	N	WG			6	✓	✓	✓	
BRA- APE-FB-08	09/03/25	1220	G	N	WQ			6	✓	✓	✓	
BRA- APE-EB-10	09/03/25	1410	G	N	WQ			6	✓	✓	✓	
BRA-												
BRA-												
BRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		9/4/25	0845		9/4/25	0845
2		9/4/25	1017		9-4-25	10:18
3		9-4-25	1435		9/4/25	1435

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* ____ °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices. etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 741267 741268 741293 741285	GEL PM:
Received By: Joel boatwright	Date Received at GEL: 09.04.25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? (Y)/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler1	4				
Cooler2	2				
Cooler3	2				
Cooler4	3				
Cooler5	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	N/A	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials HH Date 9/5/25

☐ Continuation Form Required when selected

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: JB Date Received: 09-04-25 SDG/AR/COC/Work Order: 741285-741267

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only)
Cooler 6	4				
Cooler 7	3				
Cooler 8	3				
Cooler 9	2				

Additional Notes:

PM (or PMA) review: Initials HH Date 9/5/25 Page 2 of 3

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: JB Date Received: 09-04-25 SDG/AR/COC/Work Order: 741285 741267

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
Cooler 10	2				
Cooler 11	4				
Cooler 12	2				

Additional Notes:

PM (or PMA) review: Initials HH Date 9/5/25 Page 3 of 3

List of current GEL Certifications as of 02 October 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

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Memorandum

Date:	29 January 2026
To:	Courtney Collins
From:	Ashley Wilson
CC:	K. Henderson, Colleen Small
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – GEL Laboratories, LLC Work Orders 741267 and 741268**

SITE: Plant Branch CCR Groundwater Compliance Semiannual Monitoring AP-E

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of eleven groundwater samples, two equipment blanks, two field blanks and two field duplicate samples collected 2-3 September 2025, as part of the Plant Branch on-site sampling event.

The samples were analyzed at GEL Laboratories LLC, Charleston, SC, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C
- Radium-226 by US EPA Method 903.1 Modified
- Radium-228 by US EPA Methods 904.0/SW846 9320 Modified
- 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.

The data were reviewed based on the following documents, the pertinent methods referenced by the data package and professional and technical judgment:

- 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
- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs		Client IDs
741267001	741268001	BRA-BRGWC-34S
741267002	741268002	BRA-BRGWC-37S
741267003	741268003	BRA-BRGWC-38S
741267004	741268004	BRA-PZ-53D
741267005	741268005	BRA-APE-FD-04
741267006	741268006	BRA-APE-FB-07
741267007	741268007	BRA-APE-EB-09
741267008	741268008	BRA-BRGWC-17S

Laboratory IDs		Client IDs
741267009	741268009	BRA-BRGWC-33S
741267010	741268010	BRA-BRGWC-35S
741267011	741268011	BRA-BRGWC-36S
741267012	741268012	BRA-PZ-52D
741267013	741268013	BRA-PZ-13S
741267014	741268014	BRA-PZ-70I
741267015	741268015	BRA-APE-FD-05
741267016	741268016	BRA-APE-FB-08
741267017	741268017	BRA-APE-EB-10

The samples were received at 2, 3, and 4 degrees Celsius (ºC), both within the EPA Region 4 criteria of 4ºC $\pm$ 2ºC. No sample preservation issues were noted by the laboratory.

The sample collection times were not listed on the chain of custodies (COCs) for the field duplicate samples, BRA-APE-FD-04 and BRA-APE-FD-05. The laboratory logged the sample in with the collection time of 00:00 in the laboratory reports.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

Method discrepancies were noted between the analyses requested on the COCs and the analyses performed by the laboratory. The COCs requested the analyses of radium-226 and radium-228 by US EPA Methods 9315 and 9320, respectively, and the samples were analyzed for radium-226 and radium-228 by US EPA Methods 903.1 Modified and 904.0/SW846 9320 Modified, respectively.

1.0 METALS

The samples were analyzed for metals by US EPA Methods 3005A/6020B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. 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
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Serial Dilution
- ✓ Sensitivity

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in this laboratory report 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%.

1.1.2 Analysis Anomaly

The laboratory also noted that for the Inductively Coupled Plasma – Mass Spectrometry analysis, the Interference Check Sample (ICSA) solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard. Based on evaluation of the method blanks and professional and technical judgement, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met.

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).

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). Two sample set specific MS/MSD pairs were reported, using samples BRA-BRGWC-34S and BRA-BRGWC-33S. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

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). The recovery results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported for metals.

1.7 Field Blank

Two field blanks, BRA-APE-FB-07 and BRA-APE-FB-08, were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs.

1.8 Equipment Blank

Two equipment blanks, BRA-APE-EB-09 and BRA-APE-EB-10, were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs, with the following exception.

Calcium (0.285 mg/L) was detected in equipment blank BRA-APE-EB-10 at a concentration greater than the reporting limit (RL). Since the concentrations of calcium in the associated samples were greater than five times the blank concentration, and based on technical and professional judgement, no qualifications were applied to the data.

1.9 Field Duplicate

Two field duplicate samples, BRA-APE-FD-04 and BRA-APE-FD-05, were collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations < RL) was demonstrated between the field duplicates and the original samples, BRA-BRGWC-38S and BRA-BRGWC-36S, respectively.

1.10 Serial Dilution

Two sample set specific serial dilutions were reported for metals using samples BRA-BRGWC-34S and BRA-BRGWC-33S. The percent difference (%D) results were within the method specified acceptance criteria.

1.11 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 or not applicable. 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/Post Spike
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Serial Dilution
- ✓ Sensitivity

2.1 Overall Assessment

The mercury data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Times

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met.

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/Post Spike

MSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS and one sample set specific post spike (PS) were reported, using sample BRA-BRGWC-34S. The recoveries were not within the laboratory specified acceptance criteria.

The recoveries of mercury in the MS and PS using sample BRA-BRGWC-34S were low and outside of laboratory specified acceptance criteria. Therefore, the nondetect result of mercury in sample BRA-BRGWC-34S was UJ qualified as estimated below the MDL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	DQM Reason Code**
BRA-BRGWC-34S	Mercury	0.0000670	U	0.0000670	UJ	MS1

mg/L- milligram per liter
U-analyte was analyzed for, but not detected above the MDL
* Validation qualifiers are defined in Attachment 1 at the end of this report
**EQuIS Data Qualification Module (DQM) Reason codes are defined in Attachment 2 at the end of this report

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

2.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported, using sample BRA-BRGWC-34S. The RPD result was within the laboratory specified acceptance criteria.

2.7 Field Blank

Two field blanks, BRA-APE-FB-07 and BRA-APE-FB-08, were collected with the sample set. Mercury was not detected in the field blanks at or above the MDL.

2.8 Equipment Blank

Two equipment blanks, BRA-APE-EB-09 and BRA-APE-EB-10, were collected with the sample set. Mercury was not detected in the equipment blanks at or above the MDL.

2.9 Field Duplicate

Two field duplicate samples, BRA-APE-FD-04 and BRA-APE-FD-05, were collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations < RL) was demonstrated between the field duplicates and the original samples, BRA-BRGWC-38S and BRA-BRGWC-36S, respectively.

2.10 Serial Dilution

Batch serial dilutions were reported for mercury. Since these were batch QC, the results do not affect the samples in this data set, and qualifications were not applied to the data.

2.11 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA Method 300.0 and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.1.2 Analysis Anomaly

The laboratory noted that samples BRA-BRGWC-37S, BRA-BRGWC-38S, BRA-PZ-53D, BRA-APE-FD-04, BRA-BRGWC-17S, BRA-BRGWC-35S, BRA-BRGWC-36S, BRA-PZ-13S, BRA-PZ-70I and BRA-APE-FD-05 were manually integrated to correctly position the baseline as set in the calibration standards for anion analysis. No qualifications were applied to the data, based on professional and technical judgment.

3.2 Holding Times

The holding times for the wet chemistry parameters are listed below.

Analyte	Method	Holding Time
Anions	US EPA Method 300	28 days from collection to analysis
TDS	SM 2540C	7 days from 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

Two sample set specific MSs were reported for anions, using samples BRA-BRGWC-34S and BRA-PZ-70I. The recovery results were within the 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). An LCS was reported for each analytical batch per analysis. The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Two sample set specific laboratory duplicates were reported for anions, using samples BRA-BRGWC-34S and BRA-PZ-70I. The RPD results were within the laboratory specified acceptance criteria.

One sample set specific laboratory duplicate was reported for TDS using sample BRA-PZ-13S. The RPD result was within the laboratory specified acceptance criteria.

A batch laboratory duplicate was reported for TDS. Since the batch QC results do not affect the samples in this data set, qualifications were not applied to the data.

3.7 Field Blank

Two field blanks, BRA-APE-FB-07 and BRA-APE-FB-08, were collected with the sample set. Wet chemistry parameters were not detected in the field blanks at or above the MDLs.

3.8 Equipment Blank

Two equipment blanks, BRA-APE-EB-09 and BRA-APE-EB-10, were collected with the sample set. Wet chemistry parameters were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

Chloride was detected at concentrations greater than the MDLs and less than the RLs in BRA-APE-EB-09 (0.122 mg/L) and BRA-APE-EB-10 (0.129 mg/L). Since the concentrations of chloride in the associated samples were greater than five times the blank concentration, and based on technical and professional judgement, no qualifications were applied to the data.

Sulfate was detected at a concentration greater than the MDL and less than the RL in BRA-APE-EB-10 (0.148 mg/L). Since the concentrations of sulfate in the associated samples were greater than five times the blank concentration, and based on technical and professional judgement, no qualifications were applied to the data.

3.9 Field Duplicate

Two field duplicate samples, BRA-APE-FD-04 and BRA-APE-FD-05, were collected with the sample set. Acceptable precision (RPD < 20% or the difference between the concentrations <

reporting limit RL) was demonstrated between the field duplicates and the original samples, BRA-BRGWC-38S and BRA-BRGWC-36S, respectively.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

4.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA Method 903.1 Modified, radium-228 by US EPA Method 904.0/SW846 9320 Modified 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%.

4.2 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 minimum detectable concentration (MDC), with the following exceptions.

Radium-228 (2.51 pCi/L) was detected in the method blank in batch 2858614 at a concentration greater than the MDC. Since field blank, BRA-APE-FB-07 (3.69 pCi/L, greater than MDC), had a higher detected concentration than the method blank, the samples associated with BRA-APE-FB-07 were qualified by the higher concentration in the field blank. However, the radium-228 concentrations in the samples not associated with BRA-APE-FB-07 with a mean difference (MD) less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank.

Based on the radium-228 method blank contamination and radium-226 concentration less than the MDC, the combined radium 226 + 228 concentration for samples BRA-APE-EB-10 and BRA-BRGWC-36S were UJ qualified as not statistically distinguishable from the blank.

Based on the radium-226 field blank contamination and the radium-228 method blank contaminations, the combined radium 226 + 228 concentration for samples BRA-APE-FD-05, BRA-BRGWC-33S, BRA-BRGWC-35S, BRA-PZ-52D and BRA-PZ-70I 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	DQM Reason Code
BRA-APE-EB-10	Radium-228	2.44	NA	2.44	UJ	BL
BRA-APE-EB-10	Combined Radium 226 + 228	2.67	NA	2.67	UJ	BL
BRA-APE-FD-05	Radium-228	1.99	NA	1.99	UJ	BL
BRA-APE-FD-05	Combined Radium 226 + 228	2.43	NA	2.43	UJ	BL|BFH
BRA-BRGWC-33S	Radium-228	2.11	NA	2.11	UJ	BL
BRA-BRGWC-33S	Combined Radium 226 + 228	2.70	NA	2.70	UJ	BL|BFH
BRA-BRGWC-35S	Radium-228	2.07	NA	2.07	UJ	BL
BRA-BRGWC-35S	Combined Radium 226 + 228	2.95	NA	2.95	UJ	BL|BFH
BRA-BRGWC-36S	Radium-228	1.57	NA	1.57	UJ	BL

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-BRGWC-36S	Combined Radium 226 + 228	1.82	NA	1.82	UJ	BL
BRA-PZ-52D	Radium-228	2.97	NA	2.97	UJ	BL
BRA-PZ-52D	Combined Radium 226 + 228	3.81	NA	3.81	UJ	BL|BFH
BRA-PZ-70I	Radium-228	1.87	NA	1.87	UJ	BL
BRA-PZ-70I	Combined Radium 226 + 228	2.86	NA	2.86	UJ	BL|BFH

pCi/L-picocuries per liter
U-analyte was analyzed for, but not detected above the Critical Level
NA-not applicable

4.4 Matrix Spike/Matrix Spike Duplicate

One sample set specific MS was reported for radium-226 using sample, BRA-BRGWC-34S. The recovery results were within the laboratory specified acceptance criteria

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). LCSs were reported for radium-226 and radium-228. The recovery results were within the laboratory specified acceptance criteria.

4.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for radium-226 and radium-228 using sample BRA-BRGWC-34S. The RPD results were within laboratory specified acceptance limits.

4.7 Tracers and Carriers

A tracer was reported for the radium-228 analysis. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

Two field blanks, BRA-APE-FB-07 and BRA-APE-FB-08, were collected with the sample set. 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 (0.415 pCi/L) was detected in BRA-APE-FB-07 at a concentration greater than the MDC. Since equipment blank, BRA-APE-EB-09 (1.10 pCi/L, greater than MDC), had a higher

detected concentration than the field blank, the samples associated with BRA-APE-EB-09 were qualified by the higher concentration in the equipment blank.

Radium-228 (3.69 pCi/L) was detected in BRA-APE-FB-07 at a concentration greater than the MDC. Therefore, the radium-228 concentrations with a MD less than 2 were UJ qualified as not distinguishable from the field blank.

Radium-226 (0.693 pCi/L) was detected in BRA-APE-FB-08 at a concentration greater than the MDC. Therefore, the radium-226 concentrations with a MD less than 2 were UJ qualified as not distinguishable from the field blank.

Based on the radium-228 field blank contamination and a radium-226 concentration greater than the MDC, the combined radium 226 + 228 concentration for sample BRA-APE-EB-09 was J qualified as estimated.

Based on the radium-228 field blank contamination and a radium-226 concentration less than the MDC, the combined radium 226 + 228 concentrations for samples BRA-BRGWC-34S and BRA-BRGWC-38S were UJ qualified as not statistically distinguishable from the blank.

Based on the radium-226 field blank contamination and radium-228 method blank contamination, combined radium 226 + 228 concentrations for samples BRA-APE-FD-05, BRA-BRGWC-33S, BRA-BRGWC-35S, BRA-PZ-52D and BRA-PZ-70I were UJ qualified as not statistically distinguishable from the blank.

Based on the radium-226 equipment blank contamination and radium-228 field blank contamination, the combined radium 226 + 228 concentration for sample BRA-BRGWC-37S was UJ qualified as not statistically distinguishable from the blank.

Based on the radium-226 field blank contamination and radium-228 concentration less than the MDC, the combined radium 226 + 228 concentrations for samples BRA-PZ-13S and BRA-PZ-53D 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	DQM Reason Code
BRA-APE-EB-09	Radium-228	2.13	NA	2.13	UJ	BFH
BRA-APE-EB-09	Combined Radium 226 + 228	3.23	NA	3.23	J	BFH
BRA-APE-FD-05	Radium-226	0.441	NA	0.441	UJ	BFH
BRA-APE-FD-05	Combined Radium 226 + 228	2.43	NA	2.43	UJ	BL|BFH

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-BRGWC-33S	Radium-226	0.592	NA	0.592	UJ	BFH
BRA-BRGWC-33S	Combined Radium 226 + 228	2.70	NA	2.70	UJ	BL|BFH
BRA-BRGWC-34S	Radium-228	5.17	NA	5.17	UJ	BFH
BRA-BRGWC-34S	Combined Radium 226 + 228	5.54	NA	5.54	UJ	BFH
BRA-BRGWC-35S	Radium-226	0.878	NA	0.878	UJ	BFH
BRA-BRGWC-35S	Combined Radium 226 + 228	2.95	NA	2.95	UJ	BL|BFH
BRA-BRGWC-37S	Radium-228	2.02	NA	2.02	UJ	BFH
BRA-BRGWC-37S	Combined Radium 226 + 228	2.62	NA	2.62	UJ	BFH|BEH
BRA-BRGWC-38S	Radium-228	3.27	NA	3.27	UJ	BFH
BRA-BRGWC-38S	Combined Radium 226 + 228	3.53	NA	3.53	UJ	BFH
BRA-PZ-13S	Radium-226	0.596	NA	0.596	UJ	BFH
BRA-PZ-13S	Combined Radium 226 + 228	1.75	NA	1.75	UJ	BFH
BRA-PZ-52D	Radium-226	0.844	NA	0.844	UJ	BFH
BRA-PZ-52D	Combined Radium 226 + 228	3.81	NA	3.81	UJ	BL|BFH
BRA-PZ-53D	Radium-228	2.96	NA	2.96	UJ	BFH
BRA-PZ-53D	Combined Radium 226 + 228	3.34	NA	3.34	UJ	BFH
BRA-PZ-70I	Radium-226	0.990	NA	0.990	UJ	BFH
BRA-PZ-70I	Combined Radium 226 + 228	2.86	NA	2.86	UJ	BL|BFH

pCi/L-picocuries per liter
U-analyte was analyzed for, but not detected above the Critical Level
NA-not applicable

4.9 Equipment Blank

Two equipment blanks, BRA-APE-EB-09 and BRA-APE-EB-10, were collected with the sample set. Radium-226 and radium-228 were detected in the equipment blanks at or above the measured 2σ uncertainty or the MDC.

Radium-226 (1.10 pCi/L) was detected in BRA-APE-EB-09 at a concentration greater than the MDC. Therefore, the radium-226 concentrations with a MD less than 2 were UJ qualified as not distinguishable from the blank.

Based on the radium-226 equipment blank contamination and radium-228 concentration less than the MDC, the combined radium-226 + radium-228 concentration in sample BRA-APE-FD-04 was UJ qualified as not distinguishable from the blank.

Based on the radium-226 equipment blank contamination and the radium-228 field blank contamination, the combined radium-226 + radium-228 concentration in sample BRA-BRGWC-37S was UJ qualified as not distinguishable from the blank.

Radium-226 (2.13 pCi/L) was detected in BRA-APE-EB-09 at a concentration greater than the MDC. Since radium-226 was previously qualified due to field blank contamination, no additional qualifications were applied to the data.

Radium-228 (2.44 pCi/L) was detected in BRA-APE-EB-10 at a concentration greater than the MDC. Since radium-228 was previously qualified due to method blank contamination, no additional qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-APE-FD-04	Radium-226	1.13	NA	1.13	UJ	BEH
BRA-APE-FD-04	Combined Radium 226 + 228	3.03	NA	3.03	UJ	BEH
BRA-BRGWC-37S	Radium-226	0.603	NA	0.603	UJ	BEH
BRA-BRGWC-37S	Combined Radium 226 + 228	2.62	NA	2.62	UJ	BFH|BEH

pCi/L-picocuries per liter
NA-not applicable

4.10 Field Duplicate

Two field duplicate samples, BRA-APE-FD-04 and BRA-APE-FD-05, were collected with the sample set. Acceptable precision (MD ≤ 3, RPD < 20% or difference < RL) was demonstrated between the field duplicates and the original samples, BRA-BRGWC-38S and BRA-BRGWC-36S, respectively, with the following exception.

The MD of radium-226 was greater than three in field duplicate pair BRA-APE-FD-04/BRA-BRGWC-38S. However, since the concentration of radium-226 in BRA-APE-FD-04 was UJ qualified as not statistically distinguishable from the blank and the concentration in parent sample BRA-BRGWC-38S was U qualified as not detected above the MDC, no qualifications were applied to the data.

Radium-226 was detected at a concentration less than the MDC in field duplicate BRA-APE-FD-04 and detected at a concentration greater than the MDC in parent sample BRA-BRGWC-38S. Since the MD between the results was less than three, no qualifications were applied to the data.

Radium-226 was detected at a concentration greater than the MDC in field duplicate BRA-APE-FD-05 and detected at a concentration less than the MDC in parent sample BRA-BRGWC-36S. Since the MD between the results was less than three, no qualifications were applied to the data.

4.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
EQuIS Data Qualification Module (DQM) REASON CODES

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R

DQM Reason Code	Description
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS

DQM Reason Code	Description
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF

DQM Reason Code	Description
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic

LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

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Memorandum

Date:	28 January 2026
To:	Courtney Collins
From:	Ashley Wilson
CC:	K. Henderson, Colleen Small
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – GEL Laboratories, LLC Work Orders 740274 and 740275**

SITE: Plant Branch CCR Groundwater Compliance Semiannual Monitoring Upgradient

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of five groundwater samples collected 26 August 2025, as part of the Plant Branch on-site sampling event.

The samples were analyzed at GEL Laboratories LLC, Charleston, South Carolina, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C
- Radium-226 by US EPA Method 903.1 Modified
- Radium-228 by US EPA Methods 904.0/SW846 9320 Modified
- 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.

The data were reviewed based on the following documents, the pertinent methods referenced by the data package and professional and technical judgment:

- 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
- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs		Client IDs
740274001	740275001	BRA-BRGWA-2S
740274002	740275002	BRA-BRGWA-2I
740274003	740275003	BRA-BRGWA-5S

Laboratory IDs		Client IDs
740274004	740275004	BRA-BRGWA-5I
740274005	740275005	BRA-BRGWA-6S

The samples were received at 1 degree Celsius (ºC), outside the EPA Region 4 criteria of 4ºC ± 2ºC. No sample preservation issues were noted by the laboratory. Since the samples were received between 0-6ºC and based on professional judgment, no qualifications were applied to the data. No sample preservation issues were noted by the laboratory.

Method discrepancies were noted between the analyses requested on the chain of custodies (COCs) and the analyses performed by the laboratory. The COCs requested the analyses of radium-226 and radium-228 by US EPA Methods 9315 and 9320, respectively, and the samples were analyzed for radium-226 and radium-228 by US EPA Methods 903.1 Modified and 904.0/SW846 9320 Modified, respectively.

1.0 METALS

The samples were analyzed for metals by US EPA Methods 3005A/6020B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. 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
✓ Laboratory Duplicate
✓ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Serial Dilution
✓ Sensitivity

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in this laboratory report 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%.

1.1.2 Analysis Anomaly

The laboratory also noted that for the Inductively Coupled Plasma – Mass Spectrometry analysis, the Interference Check Sample (ICSA) solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard. Based on professional and technical judgement, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met.

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).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A batch MS/MSD pair was 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). The recovery results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported for metals.

1.7 Field Blank

Field blanks were not collected with the sample set.

1.8 Equipment Blank

Equipment blanks were not collected with the sample set.

1.9 Field Duplicate

Field duplicate samples were not collected with the sample set.

1.10 Serial Dilution

A batch serial dilution was 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.

1.11 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to dilutions analyzed.

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 or not applicable. 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
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Serial Dilution
- ✓ Sensitivity

2.1 Overall Assessment

The mercury data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Times

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met.

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

A batch MS was 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 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.

2.6 Laboratory Duplicate

A batch laboratory duplicate was 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.

2.7 Field Blank

Field blanks were not collected with the sample set.

2.8 Equipment Blank

Equipment blanks were not collected with the sample set.

2.9 Field Duplicate

Field duplicates were not collected with the sample set.

2.10 Serial Dilution

Batch serial dilutions were reported for mercury. Since these were batch QC, the results do not affect the samples in this data set, and qualifications were not applied to the data.

2.11 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA Method 300.0 and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. 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
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.1.2 Analysis Anomaly

The laboratory noted that samples BRA-BRGWA-2S, BRA-BRGWA-2I, BRA-BRGWA-5S and BRA-BRGWA-6S were manually integrated to position the baseline as set in the calibration standards for anion analysis. No qualifications were applied to the data, based on professional and technical judgment.

The laboratory noted the TDS weight checks for samples BRA-BRGWA-2S and BRA-BRGWA-5I were unable to achieve constant weight after 4 drying cycles. Therefore, the TDS concentrations for samples BRA-BRGWA-2S and BRA-BRGWA-5I were J qualified as estimated.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	DQM Reason Code(s)**
BRA-BRGWA-2S	TDS	76.0	NA	76.0	J	OT1
BRA-BRGWA-5I	TDS	123	NA	123	J	OT1

mg/L- milligram per liter
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**EQuIS Data Qualification Module (DQM) Reason codes are defined in Attachment 2 at the end of this report

3.2 Holding Times

The holding times for the wet chemistry parameters are listed below.

Analyte	Method	Holding Time
Anions	US EPA Method 300	28 days from collection to analysis
TDS	SM 2540C	7 days from 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

A batch MS was reported for anions. Since these were batch QC, the results do not affect the samples in this data set, and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). A LCS was reported for each analytical batch per analysis. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Batch laboratory duplicates were reported for TDS and anions. Since the batch QC results do not affect the samples in this data set, qualifications were not applied to the data.

3.7 Field Blank

Field blanks were not collected with the sample set.

3.8 Equipment Blank

Equipment blanks were not collected with the sample set.

3.9 Field Duplicate

Field duplicates were not collected with the sample set.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

4.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA Method 903.1 Modified, radium-228 by US EPA Method 904.0/SW846 9320 Modified 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 in sample BRA-BRGWA-5I was detected at a concentration greater than the minimum detectable concentration (MDC), for the calculated, combined radium-226 and radium-228. Since radium-226 and radium-228 were not detected above the MDC, and based on professional and technical judgment, the total radium concentration in sample BRA-BRGWA-5I was U qualified as not detected.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-BRGWA-5I	Combined Radium 226 + 228	2.27	NA	2.27	U	RO1

pCi/L-picocuries per liter
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-226 (0.339 pCi/L) was detected in the method blank in batch 2859206 at a concentration greater than the total propagated uncertainty (TPU). Therefore, the radium-226 concentrations with a mean difference greater than 2 and a concentration less than ten times the blank concentration for radium-226 in the associated samples were J qualified as estimated and the radium-226 concentrations with a mean difference less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank.

Radium-228 (2.60 pCi/L) was detected in the method blank in batch 2854737 at a concentration greater than the TPU. Therefore, the radium-228 concentrations with a mean difference less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank.

Based on the radium-226 and radium-228 method blank contaminations, the combined radium 226 + 228 concentration for sample BRA-BRGWA-2I was J qualified as estimated and the combined radium 226 + 228 concentrations for samples BRA-BRGWA-5S and BRA-BRGWA-6S 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	DQM Reason Code
BRA-BRGWA-2I	Radium-226	1.59	NA	1.59	J	BL
BRA-BRGWA-2I	Radium-228	4.32	NA	4.32	UJ	BL
BRA-BRGWA-2I	Combined Radium 226 + 228	5.90	NA	5.90	J	BL
BRA-BRGWA-5S	Radium-228	3.54	NA	3.54	UJ	BL
BRA-BRGWA-5S	Combined Radium 226 + 228	3.65	NA	3.65	UJ	BL
BRA-BRGWA-6S	Radium-226	0.417	NA	0.417	UJ	BL
BRA-BRGWA-6S	Combined Radium 226 + 228	2.13	NA	2.13	UJ	BL

pCi/L-picocuries per liter
NA-not applicable

4.4 Matrix Spike/Matrix Spike Duplicate

A batch MS was reported for radium-226. Since these were batch QC, the results do not affect the samples in this data set, and qualifications were not applied to the data.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for radium-226 and radium-228. The recovery results were within the laboratory specified acceptance criteria.

4.6 Laboratory Duplicate

Batch laboratory duplicates were reported for radium-226 and radium-228. Since these were batch QC, the results do not affect the samples in this data set, and qualifications were not applied to the data.

4.7 Tracers and Carriers

A tracer was reported for the radium-228 analysis. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

Field blanks were not collected with the sample set.

4.9 Equipment Blank

Equipment blanks were not collected with the sample set.

4.10 Field Duplicate

Field duplicates were not collected with the sample set.

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
EQuIS Data Qualification Module (DQM) REASON CODES

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

Low-Flow Test Report:

Test Date / Time: 8/26/2025 9:10:33 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWA-2I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.94 ft** **Total Depth: 66.94 ft** **Initial Depth to Water: 10.9 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 61 ft** **Estimated Total Volume Pumped: 11.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 39.6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time-0955

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.5	
8/26/2025 9:10 AM	00:00	6.560 pH	19.33 °C	144.8 µS/cm	1.551 mg/L	18.00 NTU	205.1 mV	10.90 ft	250.0 ml/min
8/26/2025 9:15 AM	05:00	6.909 pH	19.32 °C	148.2 µS/cm	1.739 mg/L	12.00 NTU	167.4 mV	12.30 ft	250.0 ml/min
8/26/2025 9:20 AM	10:00	6.716 pH	19.11 °C	147.9 µS/cm	1.772 mg/L	11.00 NTU	166.4 mV	13.40 ft	250.0 ml/min
8/26/2025 9:25 AM	15:00	6.726 pH	19.14 °C	149.2 µS/cm	1.612 mg/L	8.620 NTU	160.8 mV	14.00 ft	250.0 ml/min
8/26/2025 9:30 AM	20:00	6.751 pH	19.21 °C	152.8 µS/cm	1.190 mg/L	7.040 NTU	155.1 mV	14.20 ft	250.0 ml/min
8/26/2025 9:35 AM	25:00	6.683 pH	19.22 °C	148.5 µS/cm	1.153 mg/L	6.110 NTU	149.3 mV	14.20 ft	250.0 ml/min
8/26/2025 9:40 AM	30:00	6.535 pH	19.29 °C	137.2 µS/cm	1.438 mg/L	6.250 NTU	145.7 mV	14.20 ft	250.0 ml/min
8/26/2025 9:45 AM	35:00	6.459 pH	19.34 °C	131.2 µS/cm	1.596 mg/L	5.960 NTU	142.4 mV	14.20 ft	250.0 ml/min
8/26/2025 9:50 AM	40:00	6.416 pH	19.43 °C	128.3 µS/cm	1.667 mg/L	5.110 NTU	139.8 mV	14.20 ft	250.0 ml/min
8/26/2025 9:55 AM	45:00	6.388 pH	19.43 °C	126.7 µS/cm	1.696 mg/L	4.860 NTU	138.5 mV	14.20 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 10:20:03 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWA-2S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.4 ft** **Total Depth: 47.4 ft** **Initial Depth to Water: 11.07 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 42 ft** **Estimated Total Volume Pumped: 6.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time-1050

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.5	
8/26/2025 10:20 AM	00:00	6.119 pH	22.04 °C	77.12 µS/cm	3.632 mg/L	3.110 NTU	146.4 mV	11.07 ft	225.0 ml/min
8/26/2025 10:25 AM	05:00	6.000 pH	21.02 °C	78.90 µS/cm	1.485 mg/L	2.890 NTU	144.8 mV	11.20 ft	225.0 ml/min
8/26/2025 10:30 AM	10:00	5.970 pH	20.92 °C	78.35 µS/cm	1.085 mg/L	2.720 NTU	143.0 mV	11.20 ft	225.0 ml/min
8/26/2025 10:35 AM	15:00	5.917 pH	20.95 °C	78.34 µS/cm	0.755 mg/L	2.060 NTU	142.7 mV	11.20 ft	225.0 ml/min
8/26/2025 10:40 AM	20:00	5.867 pH	20.95 °C	77.85 µS/cm	0.656 mg/L	1.890 NTU	142.7 mV	11.20 ft	225.0 ml/min
8/26/2025 10:45 AM	25:00	5.821 pH	21.05 °C	77.40 µS/cm	0.628 mg/L	1.520 NTU	141.3 mV	11.20 ft	225.0 ml/min
8/26/2025 10:50 AM	30:00	5.786 pH	21.09 °C	76.87 µS/cm	0.643 mg/L	2.010 NTU	139.0 mV	11.20 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 11:50:25 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: BRGWA-5I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.9 ft** **Total Depth: 63.9 ft** **Initial Depth to Water: 13.39 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 58 ft** **Estimated Total Volume Pumped: 8.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 2.52 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1225
Sunny, 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
8/26/2025 11:50 AM	00:00	6.626 pH	28.61 °C	196.1 µS/cm	3.569 mg/L	5.890 NTU	108.0 mV	13.39 ft	250.0 ml/min
8/26/2025 11:55 AM	05:00	6.474 pH	21.36 °C	159.0 µS/cm	2.346 mg/L	5.280 NTU	75.8 mV	13.60 ft	250.0 ml/min
8/26/2025 12:00 PM	10:00	6.452 pH	21.21 °C	161.3 µS/cm	2.124 mg/L	3.980 NTU	79.8 mV	13.60 ft	250.0 ml/min
8/26/2025 12:05 PM	15:00	6.434 pH	21.06 °C	160.9 µS/cm	1.843 mg/L	3.850 NTU	81.7 mV	13.60 ft	250.0 ml/min
8/26/2025 12:10 PM	20:00	6.421 pH	20.74 °C	158.5 µS/cm	2.159 mg/L	3.860 NTU	82.8 mV	13.60 ft	250.0 ml/min
8/26/2025 12:15 PM	25:00	6.420 pH	21.01 °C	157.1 µS/cm	2.369 mg/L	2.130 NTU	82.8 mV	13.60 ft	250.0 ml/min
8/26/2025 12:20 PM	30:00	6.418 pH	20.88 °C	155.7 µS/cm	2.553 mg/L	2.020 NTU	83.2 mV	13.60 ft	250.0 ml/min
8/26/2025 12:25 PM	35:00	6.415 pH	21.03 °C	155.5 µS/cm	2.568 mg/L	1.460 NTU	84.6 mV	13.60 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 9:10:18 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: BRGWA-5S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.1 ft** **Total Depth: 43.1 ft** **Initial Depth to Water: 13.58 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 38 ft** **Estimated Total Volume Pumped: 36.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 0.24 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1125
Sunny, 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
8/26/2025 9:10 AM	00:00	6.202 pH	19.11 °C	137.3 µS/cm	5.913 mg/L	4.010 NTU	144.2 mV	13.58 ft	275.0 ml/min
8/26/2025 9:15 AM	05:00	6.234 pH	18.73 °C	136.3 µS/cm	4.563 mg/L	6.500 NTU	141.9 mV	13.60 ft	275.0 ml/min
8/26/2025 9:20 AM	10:00	6.232 pH	18.70 °C	136.5 µS/cm	4.425 mg/L	5.590 NTU	132.9 mV	13.60 ft	275.0 ml/min
8/26/2025 9:25 AM	15:00	6.276 pH	18.80 °C	137.1 µS/cm	4.377 mg/L	5.480 NTU	129.0 mV	13.60 ft	275.0 ml/min
8/26/2025 9:30 AM	20:00	6.291 pH	18.88 °C	137.5 µS/cm	4.343 mg/L	6.110 NTU	126.3 mV	13.60 ft	275.0 ml/min
8/26/2025 9:35 AM	25:00	6.311 pH	19.09 °C	137.6 µS/cm	4.279 mg/L	6.790 NTU	123.7 mV	13.60 ft	275.0 ml/min
8/26/2025 9:40 AM	30:00	6.343 pH	19.22 °C	137.8 µS/cm	4.248 mg/L	6.200 NTU	120.8 mV	13.60 ft	275.0 ml/min
8/26/2025 9:45 AM	35:00	6.346 pH	19.21 °C	138.2 µS/cm	4.257 mg/L	7.720 NTU	120.2 mV	13.60 ft	275.0 ml/min
8/26/2025 9:50 AM	40:00	6.375 pH	19.39 °C	138.3 µS/cm	4.211 mg/L	7.300 NTU	118.4 mV	13.60 ft	275.0 ml/min
8/26/2025 9:55 AM	45:00	6.365 pH	19.40 °C	138.4 µS/cm	4.191 mg/L	6.910 NTU	118.9 mV	13.60 ft	275.0 ml/min
8/26/2025 10:00 AM	50:00	6.327 pH	19.43 °C	138.4 µS/cm	4.143 mg/L	6.890 NTU	121.4 mV	13.60 ft	275.0 ml/min
8/26/2025 10:05 AM	55:00	6.381 pH	19.56 °C	138.6 µS/cm	4.170 mg/L	6.190 NTU	118.6 mV	13.60 ft	275.0 ml/min
8/26/2025 10:10 AM	01:00:00	6.361 pH	19.56 °C	138.7 µS/cm	4.163 mg/L	7.030 NTU	120.1 mV	13.60 ft	275.0 ml/min
8/26/2025 10:15 AM	01:05:00	6.384 pH	19.69 °C	138.8 µS/cm	4.141 mg/L	7.580 NTU	119.9 mV	13.60 ft	275.0 ml/min

8/26/2025 10:20 AM	01:10:00	6.382 pH	19.64 °C	138.7 µS/cm	4.121 mg/L	7.250 NTU	120.1 mV	13.60 ft	275.0 ml/min
8/26/2025 10:25 AM	01:15:00	6.339 pH	19.63 °C	138.8 µS/cm	4.096 mg/L	5.740 NTU	123.3 mV	13.60 ft	275.0 ml/min
8/26/2025 10:30 AM	01:20:00	6.402 pH	19.72 °C	139.1 µS/cm	4.102 mg/L	5.750 NTU	120.6 mV	13.60 ft	275.0 ml/min
8/26/2025 10:35 AM	01:25:00	6.377 pH	19.72 °C	139.2 µS/cm	4.089 mg/L	5.380 NTU	122.7 mV	13.60 ft	275.0 ml/min
8/26/2025 10:40 AM	01:30:00	6.397 pH	19.80 °C	139.0 µS/cm	4.076 mg/L	6.000 NTU	122.4 mV	13.60 ft	275.0 ml/min
8/26/2025 10:45 AM	01:35:00	6.402 pH	19.73 °C	138.7 µS/cm	4.085 mg/L	5.150 NTU	122.7 mV	13.60 ft	275.0 ml/min
8/26/2025 10:50 AM	01:40:00	6.360 pH	19.74 °C	139.1 µS/cm	4.090 mg/L	6.030 NTU	126.1 mV	13.60 ft	275.0 ml/min
8/26/2025 10:55 AM	01:45:00	6.418 pH	19.83 °C	138.5 µS/cm	4.067 mg/L	5.600 NTU	123.5 mV	13.60 ft	275.0 ml/min
8/26/2025 11:00 AM	01:50:00	6.399 pH	19.81 °C	139.1 µS/cm	4.060 mg/L	5.430 NTU	125.4 mV	13.60 ft	275.0 ml/min
8/26/2025 11:05 AM	01:55:00	6.404 pH	19.97 °C	138.8 µS/cm	4.045 mg/L	5.230 NTU	125.8 mV	13.60 ft	275.0 ml/min
8/26/2025 11:10 AM	02:00:00	6.419 pH	19.91 °C	138.8 µS/cm	4.050 mg/L	6.050 NTU	125.9 mV	13.60 ft	275.0 ml/min
8/26/2025 11:15 AM	02:05:00	6.381 pH	19.85 °C	138.8 µS/cm	4.038 mg/L	5.340 NTU	128.7 mV	13.60 ft	275.0 ml/min
8/26/2025 11:20 AM	02:10:00	6.437 pH	20.50 °C	139.1 µS/cm	4.017 mg/L	3.980 NTU	126.0 mV	13.60 ft	275.0 ml/min
8/26/2025 11:25 AM	02:15:00	6.429 pH	20.46 °C	138.8 µS/cm	4.028 mg/L	3.500 NTU	127.2 mV	13.60 ft	275.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 10:48:34 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWA-6S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.9 ft** **Total Depth: 52.9 ft** **Initial Depth to Water: 26.66 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 48 ft** **Estimated Total Volume Pumped: 6750 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 0.64 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1118. Sunny 74.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
8/26/2025 10:48 AM	00:00	6.645 pH	21.25 °C	57.49 µS/cm	6.858 mg/L	2.880 NTU	80.0 mV	26.66 ft	225.0 ml/min
8/26/2025 10:53 AM	05:00	6.716 pH	20.39 °C	57.94 µS/cm	6.629 mg/L	4.530 NTU	65.7 mV	27.20 ft	225.0 ml/min
8/26/2025 10:58 AM	10:00	6.693 pH	20.00 °C	57.59 µS/cm	6.577 mg/L	5.440 NTU	64.6 mV	27.30 ft	225.0 ml/min
8/26/2025 11:03 AM	15:00	6.570 pH	20.33 °C	57.53 µS/cm	6.436 mg/L	6.760 NTU	66.2 mV	27.30 ft	225.0 ml/min
8/26/2025 11:08 AM	20:00	6.517 pH	20.07 °C	57.45 µS/cm	6.418 mg/L	5.240 NTU	68.6 mV	27.30 ft	225.0 ml/min
8/26/2025 11:13 AM	25:00	6.477 pH	20.34 °C	57.33 µS/cm	6.280 mg/L	4.520 NTU	70.0 mV	27.30 ft	225.0 ml/min
8/26/2025 11:18 AM	30:00	6.466 pH	20.14 °C	57.42 µS/cm	6.269 mg/L	3.580 NTU	69.8 mV	27.30 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 12:10:30 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWA-23S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.5 ft** **Total Depth: 43.5 ft** **Initial Depth to Water: 42.38 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 3.2 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 30 ml/min**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Well purged dry, high turbidity and rising. Water level went below top of pump

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.5	
8/26/2025 12:10 PM	00:00	6.098 pH	27.68 °C	129.5 µS/cm	6.801 mg/L	28.00 NTU	229.0 mV	42.38 ft	100.0 ml/min
8/26/2025 12:15 PM	05:00	5.883 pH	24.23 °C	118.0 µS/cm	4.975 mg/L	22.00 NTU	182.7 mV	42.38 ft	100.0 ml/min
8/26/2025 12:20 PM	10:00	5.723 pH	24.12 °C	114.6 µS/cm	4.672 mg/L	29.00 NTU	182.6 mV	42.38 ft	100.0 ml/min
8/26/2025 12:25 PM	15:00	5.719 pH	25.92 °C	113.1 µS/cm	5.430 mg/L	25.00 NTU	182.3 mV	42.38 ft	100.0 ml/min
8/26/2025 12:30 PM	20:00	5.738 pH	28.27 °C	114.5 µS/cm	5.654 mg/L	27.00 NTU	196.9 mV	42.38 ft	70.00 ml/min
8/26/2025 12:35 PM	25:00	5.771 pH	28.45 °C	112.1 µS/cm	6.592 mg/L	44.00 NTU	172.7 mV	42.38 ft	70.00 ml/min
8/26/2025 12:40 PM	30:00	5.766 pH	28.63 °C	108.0 µS/cm	6.537 mg/L	65.00 NTU	169.6 mV	42.38 ft	50.00 ml/min
8/26/2025 12:45 PM	35:00	5.765 pH	29.39 °C	107.6 µS/cm	7.252 mg/L	83.00 NTU	169.7 mV	42.38 ft	50.00 ml/min
8/26/2025 12:50 PM	40:00	5.867 pH	28.78 °C	104.7 µS/cm	7.780 mg/L	89.00 NTU	163.7 mV	42.38 ft	30.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 10:17:17 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWA-23S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.85 ft** **Total Depth: 43.85 ft** **Initial Depth to Water: 42.28 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 42.8 ft** **Estimated Total Volume Pumped: 300 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sampled after overnight recharge. Sample time 1023. Sunny 70. Water level went below top of pump

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
8/27/2025 10:17 AM	00:00	6.183 pH	23.71 °C	116.6 µS/cm	7.203 mg/L	27.00 NTU	155.2 mV	42.28 ft	50.00 ml/min
8/27/2025 10:18 AM	01:00	6.114 pH	22.99 °C	105.2 µS/cm	7.232 mg/L	26.30 NTU	149.0 mV	42.28 ft	50.00 ml/min
8/27/2025 10:19 AM	02:00	6.106 pH	22.96 °C	97.93 µS/cm	6.693 mg/L	26.70 NTU	136.9 mV	42.28 ft	50.00 ml/min
8/27/2025 10:20 AM	03:00	6.069 pH	22.87 °C	100.7 µS/cm	6.339 mg/L	26.80 NTU	135.1 mV	42.28 ft	50.00 ml/min
8/27/2025 10:21 AM	04:00	6.042 pH	22.84 °C	99.45 µS/cm	6.092 mg/L	13.70 NTU	131.1 mV	42.28 ft	50.00 ml/min
8/27/2025 10:22 AM	05:00	6.027 pH	23.04 °C	99.46 µS/cm	5.876 mg/L	13.50 NTU	130.6 mV	42.28 ft	50.00 ml/min
8/27/2025 10:23 AM	06:00	5.999 pH	22.99 °C	100.3 µS/cm	5.518 mg/L	9.350 NTU	127.7 mV	42.28 ft	50.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/3/2025 11:10:05 AM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-17S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 5.22 ft** **Total Depth: 10.22 ft** **Initial Depth to Water: 5.45 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 7.5 ft** **Estimated Total Volume Pumped: 10.13 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 0.37 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample time 1155, Sunny 78 degrees, purged into screen, 3 well volumes purged

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 11:10 AM	00:00	6.342 pH	21.51 °C	500.4 µS/cm	1.780 mg/L	2.160 NTU	134.9 mV	5.450 ft	225.0 ml/min
9/3/2025 11:15 AM	05:00	6.347 pH	21.47 °C	502.0 µS/cm	1.655 mg/L	2.210 NTU	130.9 mV	5.750 ft	225.0 ml/min
9/3/2025 11:20 AM	10:00	6.355 pH	21.38 °C	501.2 µS/cm	1.577 mg/L	1.220 NTU	134.8 mV	5.780 ft	225.0 ml/min
9/3/2025 11:25 AM	15:00	6.355 pH	21.29 °C	500.7 µS/cm	1.564 mg/L	1.380 NTU	131.0 mV	5.800 ft	225.0 ml/min
9/3/2025 11:30 AM	20:00	6.342 pH	21.34 °C	499.1 µS/cm	1.552 mg/L	1.330 NTU	133.7 mV	5.800 ft	225.0 ml/min
9/3/2025 11:35 AM	25:00	6.318 pH	21.44 °C	498.6 µS/cm	1.534 mg/L	1.480 NTU	135.6 mV	5.810 ft	225.0 ml/min
9/3/2025 11:40 AM	30:00	6.289 pH	21.37 °C	496.1 µS/cm	1.474 mg/L	1.100 NTU	136.9 mV	5.820 ft	225.0 ml/min
9/3/2025 11:45 AM	35:00	6.262 pH	21.49 °C	496.8 µS/cm	1.426 mg/L	0.930 NTU	136.6 mV	5.820 ft	225.0 ml/min
9/3/2025 11:50 AM	40:00	6.239 pH	21.48 °C	496.7 µS/cm	1.372 mg/L	0.760 NTU	138.1 mV	5.820 ft	225.0 ml/min
9/3/2025 11:55 AM	45:00	6.221 pH	21.54 °C	493.9 µS/cm	1.344 mg/L	0.920 NTU	137.9 mV	5.820 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/3/2025 10:23:03 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWC-33S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.9 ft** **Total Depth: 28.9 ft** **Initial Depth to Water: 11.82 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 10500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1058. Sunny 75.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 10:23 AM	00:00	4.973 pH	21.12 °C	2,111 µS/cm	0.945 mg/L	8.100 NTU	185.0 mV	11.82 ft	300.0 ml/min
9/3/2025 10:28 AM	05:00	5.044 pH	20.55 °C	2,063 µS/cm	0.230 mg/L	9.600 NTU	162.9 mV	11.90 ft	300.0 ml/min
9/3/2025 10:33 AM	10:00	5.012 pH	20.54 °C	2,078 µS/cm	0.226 mg/L	4.370 NTU	153.9 mV	11.90 ft	300.0 ml/min
9/3/2025 10:38 AM	15:00	4.989 pH	20.44 °C	2,074 µS/cm	0.184 mg/L	2.890 NTU	150.3 mV	11.90 ft	300.0 ml/min
9/3/2025 10:43 AM	20:00	4.982 pH	20.46 °C	2,065 µS/cm	0.217 mg/L	2.430 NTU	147.4 mV	11.90 ft	300.0 ml/min
9/3/2025 10:48 AM	25:00	4.980 pH	20.41 °C	2,058 µS/cm	0.217 mg/L	2.000 NTU	144.9 mV	11.90 ft	300.0 ml/min
9/3/2025 10:53 AM	30:00	4.994 pH	20.36 °C	2,049 µS/cm	0.211 mg/L	1.370 NTU	142.2 mV	11.90 ft	300.0 ml/min
9/3/2025 10:58 AM	35:00	5.005 pH	20.44 °C	2,048 µS/cm	0.171 mg/L	1.170 NTU	139.5 mV	11.90 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/2/2025 3:57:37 PM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWC-34S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 15.8 ft** **Total Depth: 25.8 ft** **Initial Depth to Water: 3.25 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 280 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1622. Sunny 81.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/2/2025 3:57 PM	00:00	5.840 pH	23.68 °C	993.0 µS/cm	1.834 mg/L	12.50 NTU	48.5 mV	3.250 ft	280.0 ml/min
9/2/2025 4:02 PM	05:00	5.874 pH	22.81 °C	1,047 µS/cm	0.208 mg/L	14.40 NTU	40.8 mV	3.250 ft	280.0 ml/min
9/2/2025 4:07 PM	10:00	5.838 pH	22.85 °C	1,041 µS/cm	0.152 mg/L	11.40 NTU	48.6 mV	3.250 ft	280.0 ml/min
9/2/2025 4:12 PM	15:00	5.805 pH	22.56 °C	1,036 µS/cm	0.133 mg/L	4.450 NTU	51.9 mV	3.250 ft	280.0 ml/min
9/2/2025 4:17 PM	20:00	5.785 pH	22.25 °C	1,027 µS/cm	0.125 mg/L	4.540 NTU	52.8 mV	3.250 ft	280.0 ml/min
9/2/2025 4:22 PM	25:00	5.803 pH	22.50 °C	1,021 µS/cm	0.120 mg/L	2.840 NTU	55.3 mV	3.250 ft	280.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/3/2025 1:25:05 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-35S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.01 ft** **Total Depth: 30.01 ft** **Initial Depth to Water: 0.22 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample time 1350, Sunny 81, EB-10 done here (Gloves)

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 1:25 PM	00:00	6.124 pH	19.98 °C	573.3 µS/cm	0.205 mg/L	10.70 NTU	127.5 mV	0.220 ft	300.0 ml/min
9/3/2025 1:30 PM	05:00	6.123 pH	19.82 °C	572.0 µS/cm	0.144 mg/L	4.580 NTU	143.3 mV	0.500 ft	300.0 ml/min
9/3/2025 1:35 PM	10:00	6.024 pH	19.83 °C	571.9 µS/cm	0.132 mg/L	3.940 NTU	155.0 mV	0.500 ft	300.0 ml/min
9/3/2025 1:40 PM	15:00	5.978 pH	19.79 °C	573.6 µS/cm	0.130 mg/L	3.730 NTU	162.1 mV	0.500 ft	300.0 ml/min
9/3/2025 1:45 PM	20:00	5.971 pH	19.72 °C	573.3 µS/cm	0.112 mg/L	2.290 NTU	165.3 mV	0.500 ft	300.0 ml/min
9/3/2025 1:50 PM	25:00	5.972 pH	19.70 °C	571.7 µS/cm	0.114 mg/L	2.020 NTU	167.3 mV	0.500 ft	300.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/3/2025 8:55:36 AM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-36S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.44 ft** **Total Depth: 35.44 ft** **Initial Depth to Water: 6.21 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 30.44 ft** **Estimated Total Volume Pumped: 13.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample time 0940, Sunny 71 degrees, FD-05 done here

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 8:55 AM	00:00	5.693 pH	19.79 °C	470.1 µS/cm	4.563 mg/L	1.580 NTU	201.3 mV	6.210 ft	300.0 ml/min
9/3/2025 9:00 AM	05:00	5.525 pH	19.32 °C	446.3 µS/cm	2.287 mg/L	2.110 NTU	196.0 mV	6.380 ft	300.0 ml/min
9/3/2025 9:05 AM	10:00	5.442 pH	19.29 °C	445.4 µS/cm	2.140 mg/L	1.050 NTU	197.9 mV	6.390 ft	300.0 ml/min
9/3/2025 9:10 AM	15:00	5.419 pH	19.24 °C	442.5 µS/cm	2.099 mg/L	1.370 NTU	194.8 mV	6.400 ft	300.0 ml/min
9/3/2025 9:15 AM	20:00	5.416 pH	19.22 °C	443.9 µS/cm	2.084 mg/L	1.970 NTU	189.2 mV	6.410 ft	300.0 ml/min
9/3/2025 9:20 AM	25:00	5.437 pH	19.22 °C	443.4 µS/cm	2.063 mg/L	2.190 NTU	189.7 mV	6.420 ft	300.0 ml/min
9/3/2025 9:25 AM	30:00	5.470 pH	19.19 °C	442.7 µS/cm	2.046 mg/L	1.800 NTU	183.5 mV	6.430 ft	300.0 ml/min
9/3/2025 9:30 AM	35:00	5.495 pH	19.28 °C	441.7 µS/cm	2.027 mg/L	1.450 NTU	181.4 mV	6.430 ft	300.0 ml/min
9/3/2025 9:35 AM	40:00	5.504 pH	19.36 °C	435.5 µS/cm	2.017 mg/L	2.130 NTU	179.4 mV	6.430 ft	300.0 ml/min
9/3/2025 9:40 AM	45:00	5.510 pH	19.35 °C	441.5 µS/cm	2.003 mg/L	2.060 NTU	182.7 mV	6.430 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/2/2025 12:35:43 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-37S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 56.24 ft** **Total Depth: 66.24 ft** **Initial Depth to Water: 57.87 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 61 ft** **Estimated Total Volume Pumped: 16000 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.74 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample time 1415, Sunny 80 degrees, Water level fell into the screen, 3 well vol purged, FB-07 done here

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/2/2025 12:35 PM	00:00	6.027 pH	21.71 °C	46.23 µS/cm	7.609 mg/L	0.960 NTU	139.8 mV	57.87 ft	160.0 ml/min
9/2/2025 12:40 PM	05:00	5.958 pH	21.04 °C	44.78 µS/cm	7.411 mg/L	0.970 NTU	129.8 mV	58.32 ft	160.0 ml/min
9/2/2025 12:45 PM	10:00	5.949 pH	20.85 °C	44.71 µS/cm	7.367 mg/L	1.090 NTU	132.5 mV	58.40 ft	160.0 ml/min
9/2/2025 12:50 PM	15:00	5.873 pH	20.86 °C	44.80 µS/cm	7.378 mg/L	1.310 NTU	141.9 mV	58.44 ft	160.0 ml/min
9/2/2025 12:55 PM	20:00	5.846 pH	20.84 °C	44.67 µS/cm	7.386 mg/L	1.370 NTU	149.9 mV	58.47 ft	160.0 ml/min
9/2/2025 1:00 PM	25:00	5.845 pH	20.78 °C	44.79 µS/cm	7.409 mg/L	1.040 NTU	153.2 mV	58.50 ft	160.0 ml/min
9/2/2025 1:05 PM	30:00	5.862 pH	20.75 °C	44.92 µS/cm	7.412 mg/L	1.230 NTU	156.5 mV	58.54 ft	160.0 ml/min
9/2/2025 1:10 PM	35:00	5.877 pH	20.93 °C	44.99 µS/cm	7.411 mg/L	1.030 NTU	160.2 mV	58.55 ft	160.0 ml/min
9/2/2025 1:15 PM	40:00	5.892 pH	20.82 °C	44.97 µS/cm	7.409 mg/L	1.200 NTU	163.4 mV	58.57 ft	160.0 ml/min
9/2/2025 1:20 PM	45:00	5.906 pH	20.75 °C	44.90 µS/cm	7.406 mg/L	1.020 NTU	165.0 mV	58.57 ft	160.0 ml/min
9/2/2025 1:25 PM	50:00	5.917 pH	20.74 °C	44.74 µS/cm	7.397 mg/L	1.250 NTU	171.7 mV	58.59 ft	160.0 ml/min
9/2/2025 1:30 PM	55:00	5.927 pH	20.82 °C	44.70 µS/cm	7.407 mg/L	1.000 NTU	175.1 mV	58.59 ft	160.0 ml/min
9/2/2025 1:35 PM	01:00:00	5.897 pH	20.83 °C	44.63 µS/cm	7.415 mg/L	1.270 NTU	177.9 mV	58.59 ft	160.0 ml/min
9/2/2025 1:40 PM	01:05:00	5.880 pH	20.85 °C	44.65 µS/cm	7.382 mg/L	0.990 NTU	168.1 mV	58.60 ft	160.0 ml/min

9/2/2025 1:45 PM	01:10:00	5.925 pH	20.77 °C	44.54 µS/cm	7.412 mg/L	0.970 NTU	166.3 mV	58.60 ft	160.0 ml/min
9/2/2025 1:50 PM	01:15:00	5.927 pH	20.84 °C	44.70 µS/cm	7.425 mg/L	0.950 NTU	171.5 mV	58.60 ft	160.0 ml/min
9/2/2025 1:55 PM	01:20:00	5.920 pH	20.95 °C	44.72 µS/cm	7.422 mg/L	1.130 NTU	176.1 mV	58.60 ft	160.0 ml/min
9/2/2025 2:00 PM	01:25:00	5.923 pH	20.87 °C	44.72 µS/cm	7.420 mg/L	1.290 NTU	180.4 mV	58.61 ft	160.0 ml/min
9/2/2025 2:05 PM	01:30:00	5.921 pH	20.88 °C	44.56 µS/cm	7.418 mg/L	1.090 NTU	181.7 mV	58.61 ft	160.0 ml/min
9/2/2025 2:10 PM	01:35:00	5.917 pH	20.88 °C	44.53 µS/cm	7.418 mg/L	1.520 NTU	191.0 mV	58.61 ft	160.0 ml/min
9/2/2025 2:15 PM	01:40:00	5.917 pH	21.00 °C	44.71 µS/cm	7.422 mg/L	1.480 NTU	189.7 mV	58.61 ft	160.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/2/2025 12:07:17 PM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWC-38S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.6 ft** **Total Depth: 40.6 ft** **Initial Depth to Water: 25.32 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 9450 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 210 ml/min** **Final Draw Down: 1.08 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1252. Sunny, 77. FD-04 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/2/2025 12:07 PM	00:00	4.490 pH	22.93 °C	455.6 µS/cm	7.226 mg/L	1.300 NTU	214.2 mV	25.32 ft	210.0 ml/min
9/2/2025 12:12 PM	05:00	4.304 pH	20.11 °C	413.4 µS/cm	2.844 mg/L	22.00 NTU	207.5 mV	26.25 ft	210.0 ml/min
9/2/2025 12:17 PM	10:00	4.261 pH	20.00 °C	405.7 µS/cm	2.060 mg/L	17.00 NTU	209.7 mV	26.30 ft	210.0 ml/min
9/2/2025 12:22 PM	15:00	4.244 pH	19.84 °C	405.8 µS/cm	1.874 mg/L	6.920 NTU	203.9 mV	26.35 ft	210.0 ml/min
9/2/2025 12:27 PM	20:00	4.229 pH	19.95 °C	409.6 µS/cm	1.748 mg/L	4.930 NTU	199.6 mV	26.35 ft	210.0 ml/min
9/2/2025 12:32 PM	25:00	4.210 pH	19.76 °C	413.1 µS/cm	1.601 mg/L	3.700 NTU	198.0 mV	26.40 ft	210.0 ml/min
9/2/2025 12:37 PM	30:00	4.212 pH	19.90 °C	414.5 µS/cm	1.484 mg/L	1.810 NTU	194.5 mV	26.40 ft	210.0 ml/min
9/2/2025 12:42 PM	35:00	4.267 pH	19.89 °C	416.1 µS/cm	1.400 mg/L	1.300 NTU	191.7 mV	26.40 ft	210.0 ml/min
9/2/2025 12:47 PM	40:00	4.362 pH	19.91 °C	415.4 µS/cm	1.365 mg/L	1.190 NTU	184.1 mV	26.40 ft	210.0 ml/min
9/2/2025 12:52 PM	45:00	4.326 pH	19.87 °C	417.2 µS/cm	1.290 mg/L	1.150 NTU	183.9 mV	26.40 ft	210.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/3/2025 11:35:20 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: PZ-13S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.2 ft** **Total Depth: 38.2 ft** **Initial Depth to Water: 30.36 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 15000 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1225. Sunny 79. FB-08 here at 1220.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 11:35 AM	00:00	5.935 pH	21.51 °C	267.8 µS/cm	7.189 mg/L	6.550 NTU	135.7 mV	30.36 ft	300.0 ml/min
9/3/2025 11:40 AM	05:00	5.664 pH	18.78 °C	280.3 µS/cm	3.996 mg/L	3.970 NTU	118.8 mV	30.40 ft	300.0 ml/min
9/3/2025 11:45 AM	10:00	5.691 pH	18.73 °C	275.0 µS/cm	3.587 mg/L	4.900 NTU	115.4 mV	30.40 ft	300.0 ml/min
9/3/2025 11:50 AM	15:00	5.688 pH	18.75 °C	271.8 µS/cm	3.476 mg/L	3.120 NTU	112.6 mV	30.40 ft	300.0 ml/min
9/3/2025 11:55 AM	20:00	5.662 pH	18.73 °C	274.3 µS/cm	3.543 mg/L	3.110 NTU	114.4 mV	30.40 ft	300.0 ml/min
9/3/2025 12:00 PM	25:00	5.644 pH	18.79 °C	271.4 µS/cm	3.527 mg/L	2.460 NTU	114.7 mV	30.40 ft	300.0 ml/min
9/3/2025 12:05 PM	30:00	5.628 pH	18.75 °C	270.8 µS/cm	3.565 mg/L	2.290 NTU	113.8 mV	30.40 ft	300.0 ml/min
9/3/2025 12:10 PM	35:00	5.615 pH	18.75 °C	266.9 µS/cm	3.524 mg/L	2.000 NTU	113.3 mV	30.40 ft	300.0 ml/min
9/3/2025 12:15 PM	40:00	5.617 pH	18.69 °C	259.1 µS/cm	3.589 mg/L	1.930 NTU	113.0 mV	30.40 ft	300.0 ml/min
9/3/2025 12:20 PM	45:00	5.608 pH	18.62 °C	256.0 µS/cm	3.674 mg/L	1.940 NTU	112.4 mV	30.40 ft	300.0 ml/min
9/3/2025 12:25 PM	50:00	5.619 pH	18.71 °C	253.6 µS/cm	3.604 mg/L	1.100 NTU	111.7 mV	30.40 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/2/2025 3:40:06 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: PZ-52D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.23 ft** **Total Depth: 62.23 ft** **Initial Depth to Water: 22.76 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 57 ft** **Estimated Total Volume Pumped: 26.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 31.68 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Purged dry @ 1725

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/2/2025 3:40 PM	00:00	7.492 pH	23.48 °C	433.0 µS/cm	5.024 mg/L	2.280 NTU	149.3 mV	22.76 ft	100.0 ml/min
9/2/2025 3:45 PM	05:00	7.486 pH	22.65 °C	433.6 µS/cm	4.773 mg/L	4.020 NTU	141.8 mV	24.27 ft	100.0 ml/min
9/2/2025 3:50 PM	10:00	7.471 pH	22.48 °C	435.6 µS/cm	4.729 mg/L	2.710 NTU	139.9 mV	24.99 ft	100.0 ml/min
9/2/2025 3:55 PM	15:00	7.479 pH	22.39 °C	433.2 µS/cm	4.743 mg/L	1.980 NTU	134.7 mV	25.72 ft	100.0 ml/min
9/2/2025 4:00 PM	20:00	7.485 pH	22.39 °C	430.4 µS/cm	4.738 mg/L	1.640 NTU	136.6 mV	26.51 ft	100.0 ml/min
9/2/2025 4:05 PM	25:00	7.521 pH	20.92 °C	431.8 µS/cm	5.056 mg/L	1.500 NTU	123.1 mV	28.12 ft	300.0 ml/min
9/2/2025 4:10 PM	30:00	7.430 pH	20.95 °C	429.1 µS/cm	4.866 mg/L	2.220 NTU	129.7 mV	30.00 ft	300.0 ml/min
9/2/2025 4:15 PM	35:00	7.357 pH	20.85 °C	430.6 µS/cm	4.895 mg/L	1.770 NTU	129.7 mV	32.10 ft	300.0 ml/min
9/2/2025 4:20 PM	40:00	7.335 pH	20.82 °C	431.1 µS/cm	4.917 mg/L	2.090 NTU	128.8 mV	33.94 ft	300.0 ml/min
9/2/2025 4:25 PM	45:00	7.346 pH	20.78 °C	430.9 µS/cm	4.959 mg/L	1.860 NTU	128.9 mV	35.80 ft	300.0 ml/min
9/2/2025 4:30 PM	50:00	7.360 pH	20.70 °C	431.3 µS/cm	4.993 mg/L	1.310 NTU	130.8 mV	37.83 ft	300.0 ml/min
9/2/2025 4:35 PM	55:00	7.382 pH	20.83 °C	431.4 µS/cm	4.976 mg/L	1.260 NTU	128.8 mV	39.85 ft	300.0 ml/min
9/2/2025 4:40 PM	01:00:00	7.407 pH	20.71 °C	431.2 µS/cm	5.086 mg/L	1.830 NTU	122.4 mV	41.85 ft	300.0 ml/min
9/2/2025 4:45 PM	01:05:00	7.440 pH	20.89 °C	432.6 µS/cm	5.066 mg/L	1.270 NTU	121.9 mV	43.81 ft	300.0 ml/min

9/2/2025 4:50 PM	01:10:00	7.444 pH	20.73 °C	431.6 µS/cm	5.123 mg/L	1.670 NTU	122.2 mV	45.57 ft	300.0 ml/min
9/2/2025 4:55 PM	01:15:00	7.455 pH	20.63 °C	431.5 µS/cm	5.173 mg/L	1.410 NTU	120.5 mV	47.47 ft	300.0 ml/min
9/2/2025 5:00 PM	01:20:00	7.460 pH	20.70 °C	431.6 µS/cm	5.180 mg/L	1.410 NTU	122.4 mV	49.18 ft	300.0 ml/min
9/2/2025 5:05 PM	01:25:00	7.470 pH	20.66 °C	432.3 µS/cm	5.231 mg/L	2.240 NTU	121.1 mV	51.04 ft	300.0 ml/min
9/2/2025 5:10 PM	01:30:00	7.496 pH	20.77 °C	435.7 µS/cm	5.246 mg/L	1.900 NTU	120.1 mV	52.58 ft	300.0 ml/min
9/2/2025 5:15 PM	01:35:00	7.484 pH	20.71 °C	434.3 µS/cm	5.354 mg/L	2.000 NTU	122.2 mV	53.11 ft	300.0 ml/min
9/2/2025 5:20 PM	01:40:00	7.563 pH	20.62 °C	442.3 µS/cm	5.970 mg/L	3.420 NTU	119.8 mV	53.50 ft	300.0 ml/min
9/2/2025 5:25 PM	01:45:00	7.568 pH	20.73 °C	442.3 µS/cm	6.083 mg/L	5.170 NTU	121.6 mV	54.44 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/3/2025 3:02:46 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: PZ-52D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.23 ft** **Total Depth: 62.23 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 57 ft** **Estimated Total Volume Pumped: 0.35 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample time 1509, Sunny 82 degrees, log 2 of 2, purged dry day before; WL below top of pump

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 3:02 PM	00:00	7.197 pH	26.56 °C	451.2 µS/cm	7.333 mg/L	17.40 NTU	157.5 mV		50.00 ml/min
9/3/2025 3:03 PM	01:00	7.503 pH	24.18 °C	436.6 µS/cm	7.322 mg/L	15.20 NTU	140.6 mV		50.00 ml/min
9/3/2025 3:04 PM	02:00	7.538 pH	24.26 °C	438.1 µS/cm	7.176 mg/L	10.10 NTU	135.8 mV		50.00 ml/min
9/3/2025 3:05 PM	03:00	7.545 pH	24.27 °C	434.7 µS/cm	6.769 mg/L	7.340 NTU	133.0 mV		50.00 ml/min
9/3/2025 3:06 PM	04:00	7.545 pH	24.47 °C	434.4 µS/cm	6.423 mg/L	8.350 NTU	130.3 mV		50.00 ml/min
9/3/2025 3:07 PM	05:00	7.545 pH	24.68 °C	433.6 µS/cm	6.253 mg/L	6.810 NTU	128.7 mV		50.00 ml/min
9/3/2025 3:08 PM	06:00	7.542 pH	24.82 °C	432.9 µS/cm	5.983 mg/L	7.260 NTU	127.8 mV		50.00 ml/min
9/3/2025 3:09 PM	07:00	7.542 pH	24.90 °C	432.4 µS/cm	5.878 mg/L	7.020 NTU	127.2 mV		50.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 9/2/2025 2:27:08 PM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: PZ-53D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 132.5 ft** **Total Depth: 142.5 ft** **Initial Depth to Water: 26.44 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 137 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.66 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1452. Sunny 81.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/2/2025 2:27 PM	00:00	6.800 pH	28.10 °C	660.9 µS/cm	4.063 mg/L	0.650 NTU	40.4 mV	26.44 ft	100.0 ml/min
9/2/2025 2:32 PM	05:00	7.036 pH	23.85 °C	639.0 µS/cm	1.568 mg/L	1.120 NTU	-93.8 mV	26.90 ft	100.0 ml/min
9/2/2025 2:37 PM	10:00	7.095 pH	23.37 °C	653.8 µS/cm	1.467 mg/L	2.880 NTU	-21.2 mV	27.00 ft	100.0 ml/min
9/2/2025 2:42 PM	15:00	7.067 pH	22.84 °C	652.6 µS/cm	1.283 mg/L	2.640 NTU	-1.6 mV	27.10 ft	100.0 ml/min
9/2/2025 2:47 PM	20:00	7.006 pH	22.97 °C	650.6 µS/cm	1.165 mg/L	2.700 NTU	8.8 mV	27.10 ft	100.0 ml/min
9/2/2025 2:52 PM	25:00	6.971 pH	22.70 °C	653.3 µS/cm	1.206 mg/L	2.640 NTU	14.2 mV	27.10 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/3/2025 8:43:24 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: PZ-70I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.8 ft** **Total Depth: 52.8 ft** **Initial Depth to Water: 32.18 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 48 ft** **Estimated Total Volume Pumped: 10992 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 240 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 0930. Sunny 70.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
9/3/2025 8:43 AM	00:00	6.021 pH	20.43 °C	350.5 µS/cm	7.075 mg/L	1.610 NTU	216.1 mV	32.18 ft	200.0 ml/min
9/3/2025 8:48 AM	05:00	5.561 pH	19.71 °C	326.8 µS/cm	1.433 mg/L	0.300 NTU	198.1 mV	32.30 ft	240.0 ml/min
9/3/2025 8:53 AM	10:00	5.538 pH	19.74 °C	327.0 µS/cm	0.326 mg/L	0.550 NTU	190.1 mV	32.30 ft	240.0 ml/min
9/3/2025 8:58 AM	15:00	5.526 pH	19.76 °C	326.2 µS/cm	0.229 mg/L	0.490 NTU	188.9 mV	32.30 ft	240.0 ml/min
9/3/2025 9:00 AM	16:38	5.515 pH	19.78 °C	326.1 µS/cm	0.223 mg/L	0.490 NTU	195.2 mV	32.30 ft	240.0 ml/min
9/3/2025 9:05 AM	21:38	5.488 pH	19.83 °C	324.9 µS/cm	0.693 mg/L	0.260 NTU	183.4 mV	32.30 ft	240.0 ml/min
9/3/2025 9:10 AM	26:38	5.533 pH	19.86 °C	323.3 µS/cm	0.673 mg/L	0.260 NTU	181.2 mV	32.30 ft	240.0 ml/min
9/3/2025 9:15 AM	31:38	5.512 pH	19.82 °C	323.5 µS/cm	0.583 mg/L	0.420 NTU	183.4 mV	32.30 ft	240.0 ml/min
9/3/2025 9:20 AM	36:38	5.527 pH	19.95 °C	325.3 µS/cm	0.691 mg/L	0.370 NTU	176.0 mV	32.30 ft	240.0 ml/min
9/3/2025 9:25 AM	41:38	5.526 pH	19.95 °C	325.1 µS/cm	0.692 mg/L	0.600 NTU	176.9 mV	32.30 ft	240.0 ml/min
9/3/2025 9:30 AM	46:38	5.525 pH	20.06 °C	326.2 µS/cm	0.675 mg/L	0.470 NTU	173.4 mV	32.30 ft	240.0 ml/min

Samples

Sample ID:	Description:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-E Date: 9/2/25

Calibrated By: C. Klumpe Field Conditions: Sunny 63

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquaread/500	1183949
Turbidity Meter	HACH/2100Q	24010D000439

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	—	—
pH (SU)	4.00	5GA0865	1/27	Pine
pH (SU)	7.00	4GL1064	12/26	Pine
pH (SU)	10.00	4GG1192	7/26	Pine
Specific Conductance (µS/cm)	1,413	5GA0308	1/26	Pine
ORP (mV)	240.0	5GE0627	2/26	Pine

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	—	—
	10	A4172	9/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0755		**Time Finish:** 0815			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	19.54	± 10%	EPA 2023
pH (SU)	4.00	4.00	21.31	± 0.1	GWMP
pH (SU)	7.00	7.02	21.49	± 0.1	GWMP
pH (SU)	10.00	10.05	21.55	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	21.70	± 10% of standard	NA
ORP (mV)	240.0	233.5	21.66	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.09	± 10% of standard	EPA 2023
	10	9.91		
	20	20.2		
	100	100		

Calibration Check					
Time Start 1235		**Time Finish** 1250			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	23.88	± 0.1	GWMP
pH (SU)	7.00	7.00	24.18	± 0.1	GWMP
pH (SU)	10.00	10.00	24.13	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	23.95	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.12	± 10% of standard	EPA 2023
	10	10.2		
	20	20.4		
	100	101		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-E Date: 9/2/25

Calibrated By: C. Hamel Field Conditions: Sunny, 74

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 500	1183949
Turbidity Meter	HACH 2100Q	24010D000439

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	—	—
pH (SU)	4.00	5GA0465	1/27	Pine
pH (SU)	7.00	4GL1064	12/26	Pine
pH (SU)	10.00	4GG1192	7/26	Pine
Specific Conductance (µS/cm)	1,413	5GA0308	1/26	Pine
ORP (mV)	240.0	5GE0627	2/26	Pine

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	—	—
	10	A4172	9/25	Hach
	20	A4183	10/25	Hach
	100	A4179	10/25	Hach

Calibration					
Time Start: 1125		**Time Finish:** 1145			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	25.34	± 10%	EPA 2023
pH (SU)	4.00	4.00	26.30	± 0.1	GWMP
pH (SU)	7.00	7.00	26.84	± 0.1	GWMP
pH (SU)	10.00	10.00	26.71	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	26.61	± 10% of standard	NA
ORP (mV)	240.0	225.8	27.54	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.10	± 10% of standard	EPA 2023
	10	9.78		
	20	20.1		
	100	99.9		

Calibration Check					
Time Start 123		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP
Specific Conductance (µS/cm)	1,413			± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

only sampled half day

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AE Date: ~~8.~~ 9-2-25

Calibrated By: H Auld Field Conditions: Sunny, 75

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatrol 500	1235076
Turbidity Meter	HACH 2100Q	11090C012353

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	5GA0865	1/27	~~AER~~ Pine
pH (SU)	7.00	4GL1064	12/26	↓
pH (SU)	10.00	4GG1192	7/26	↓
Specific Conductance (µS/cm)	1,413	1H4GL1333	12/25	↓
ORP (mV)	240.0	5GE0627	02/26	↓

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	—
	10	A5083	6/26	HACH
	20	A5092	7/26	↓
	100	A5081	6/26	↓

Calibration

Time Start: 1150 Time Finish: 1230

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100%	24.6	± 10%	EPA 2023
pH (SU)	4.00	4.00	23.6	± 0.1	GWMP
pH (SU)	7.00	7.00	24.2	± 0.1	GWMP
pH (SU)	10.00	10.00	23.6	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	25.0	± 10% of standard	NA
ORP (mV)	240.0	231	23.8	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.2	± 10% of standard	EPA 2023
	10	10.0		
	20	20.0		
	100	100		

Calibration Check

Time Start 1505 Time Finish 1515

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.08	26.7	± 0.1	GWMP
pH (SU)	7.00	6.97	26.6	± 0.1	GWMP
pH (SU)	10.00	9.99	26.8	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1420	26.5	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.2	± 10% of standard	EPA 2023
	10	10.0		
	20	19.7		
	100	102		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch ~~ARE~~ + LF Date: 9-3-25

Calibrated By: HA Field Conditions: sunny, 65

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1235076
Turbidity Meter	HACH 2100Q	11090C012353

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	5GA0865	1/27	Aline
pH (SU)	7.00	4GL1064	12/26	↓
pH (SU)	10.00	4GG1192	7/26	↓
Specific Conductance (µS/cm)	1,413	4GL1333	12/25	↓
ORP (mV)	240.0	5GE0627	02/26	↓

	Standard	**Lot #**	**Date of Expiration**	**Brand**
	0	—	—	—
Turbidity (NTU)	10	A5083	6/26	HACH
	20	A5092	7/26	↓
	100	A5081	6/26	↓

Calibration

Time Start: ~~09~~ 0750 **Time Finish:** 0805

Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	~~4~~ 100	18.5	± 10%	EPA 2023
pH (SU)	4.00	4.00	20.4	± 0.1	GWMP
pH (SU)	7.00	7.02	20.3	± 0.1	GWMP
pH (SU)	10.00	10.05	20.2	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	20.2	± 10% of standard	NA
ORP (mV)	240.0	235	20.3	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
	0	0.2	± 10% of standard	EPA 2023
Turbidity (NTU)	10	10.0		
	20	20.0		
	100	100		

Calibration Check

Time Start 1235 **Time Finish** 1245

Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.01	26.8	± 0.1	GWMP
pH (SU)	7.00	7.03	27.1	± 0.1	GWMP
pH (SU)	10.00	9.97	26.9	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	27.0	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
	0	0	± 10% of standard	EPA 2023
Turbidity (NTU)	10	10		
	20	20		
	100	100		

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	9/2/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	9/2/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.852
Offset	0.000 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,469 µS/cm
Specific Conductivity	1,425 µS/cm

Post Measurement

Actual Conductivity	1,456 µS/cm
Specific Conductivity	1,413 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	9/2/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.000 pH
pH mV	122.1 mV
Temperature	26.30 °C

Pre Measurement

pH	3.858 pH
pH mV	122.1 mV

Post Measurement

pH	4.000 pH
pH mV	122.6 mV

Calibration Point 2

pH of Buffer	7.000 pH
pH mV	-36.8 mV
Temperature	26.84 °C

Pre Measurement

pH	6.804 pH
pH mV	-36.8 mV

Post Measurement

pH	7.000 pH
pH mV	-37.0 mV

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-204.8 mV
Temperature	26.71 °C

Pre Measurement

pH	9.948 pH
pH mV	-204.6 mV

Post Measurement

pH	10.00 pH
pH mV	-206.0 mV

Slope and Offset 1

Slope	-52.96 mV/pH
Offset	-36.8 mV

Slope and Offset 2

Slope	-56.02 mV/pH
Offset	-36.8 mV

ORP

ORP Solution	Zobell's
Offset	48.0 mV
Temperature	27.54 °C
Pre Measurement	223.8 mV
Post Measurement	225.8 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	9/2/2025

Calibration Details

Slope	0.99030274
Offset	-0.000 mg/L

Calibration point 100%

Concentration	8.210 mg/L
Pre Measurement	99.18 %Sat
Post Measurement	100.0 %Sat
Temperature	25.34 °C
Barometric Pressure	1,004 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	9/3/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	9/3/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.83
Offset	0.000 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,360 µS/cm
Specific Conductivity	1,451 µS/cm

Post Measurement

Actual Conductivity	1,324 µS/cm
Specific Conductivity	1,413 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	9/3/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.000 pH
pH mV	115.7 mV
Temperature	21.31 °C

Pre Measurement

pH	4.085 pH
pH mV	115.6 mV

Post Measurement

pH	4.000 pH
pH mV	114.3 mV

Calibration Point 2

pH of Buffer	7.020 pH
pH mV	-41.1 mV
Temperature	21.49 °C

Pre Measurement

pH	7.092 pH
pH mV	-41.2 mV

Post Measurement

pH	7.020 pH
pH mV	-40.6 mV

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-201.7 mV
Temperature	21.55 °C

Pre Measurement

pH	10.01 pH
pH mV	-201.7 mV

Post Measurement

pH	10.05 pH
pH mV	-199.4 mV

Slope and Offset 1

Slope	-51.92 mV/pH
Offset	-40.1 mV

Slope and Offset 2

Slope	-53.02 mV/pH
Offset	-40.0 mV

ORP

ORP Solution	Zobell's
Offset	46.4 mV
Temperature	21.66 °C
Pre Measurement	235.2 mV
Post Measurement	233.5 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	9/3/2025

Calibration Details

Slope	0.99548846
Offset	-0.000 mg/L

Calibration point 100%

Concentration	9.098 mg/L
Pre Measurement	99.52 %Sat
Post Measurement	100.0 %Sat
Temperature	19.53 °C
Barometric Pressure	1,000 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1235076
Created	9/2/2025

Sensor	**pH/ORP**
Serial Number	1190235
Last Calibrated	9/2/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.000 pH
pH mV	161.6 mV
Temperature	24.23 °C

Pre Measurement

pH	3.897 pH
pH mV	161.1 mV

Post Measurement

pH	4.000 pH
pH mV	161.2 mV

Calibration Point 2

pH of Buffer	7.000 pH
pH mV	-3.0 mV
Temperature	23.56 °C

Pre Measurement

pH	7.001 pH
pH mV	-2.8 mV

Post Measurement

pH	7.000 pH
pH mV	-3.0 mV

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-173.4 mV
Temperature	23.59 °C

Pre Measurement

pH	9.936 pH
pH mV	-171.5 mV

Post Measurement

pH	10.00 pH
pH mV	-172.6 mV

Slope and Offset 1

Slope	-54.88 mV/pH
Offset	-3.0 mV

Slope and Offset 2

Slope	-56.77 mV/pH
Offset	-3.0 mV

ORP

ORP Solution	Zobell's
Offset	-0.4 mV
Temperature	23.80 °C
Pre Measurement	232.3 mV
Post Measurement	230.7 mV

Sensor **Conductivity**

Serial Number	1237119
Last Calibrated	9/2/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.871
Offset	0.000 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,296 µS/cm
Specific Conductivity	1,324 µS/cm

Post Measurement

Actual Conductivity	1,383 µS/cm
Specific Conductivity	1,413 µS/cm

Sensor **RDO**

Serial Number	1230630
Last Calibrated	9/2/2025

Calibration Details

Slope	0.933618
Offset	-0.000 mg/L

Calibration point 100%

Concentration	8.839 mg/L
Pre Measurement	104.7 %Sat
Post Measurement	100.0 %Sat
Temperature	24.59 °C
Barometric Pressure	1,005 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1235076
Created	9/3/2025

Sensor	**pH/ORP**
Serial Number	1190235
Last Calibrated	9/3/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.000 pH
pH mV	154.8 mV
Temperature	20.43 °C

Pre Measurement

pH	4.090 pH
pH mV	154.6 mV

Post Measurement

pH	4.000 pH
pH mV	152.4 mV

Calibration Point 2

pH of Buffer	7.020 pH
pH mV	-6.7 mV
Temperature	20.34 °C

Pre Measurement

pH	7.065 pH
pH mV	-6.6 mV

Post Measurement

pH	7.020 pH
pH mV	-6.6 mV

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-173.2 mV
Temperature	20.19 °C

Pre Measurement

pH	10.03 pH
pH mV	-172.9 mV

Post Measurement

pH	10.05 pH
pH mV	-170.4 mV

Slope and Offset 1

Slope	-53.48 mV/pH
Offset	-5.6 mV

Slope and Offset 2

Slope	-54.95 mV/pH
Offset	-5.6 mV

ORP

ORP Solution	Zobell's
Offset	3.3 mV
Temperature	20.30 °C
Pre Measurement	231.7 mV
Post Measurement	235.2 mV

Sensor **Conductivity**

Serial Number	1237119
Last Calibrated	9/3/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.871
Offset	0.000 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,274 µS/cm
Specific Conductivity	1,413 µS/cm

Post Measurement

Actual Conductivity	1,274 µS/cm
Specific Conductivity	1,413 µS/cm

Sensor **RDO**

Serial Number	1230630
Last Calibrated	9/3/2025

Calibration Details

Slope	0.97695065
Offset	-0.000 mg/L

Calibration point 100%

Concentration	9.473 mg/L
Pre Measurement	95.52 %Sat
Post Measurement	100.0 %Sat
Temperature	18.51 °C
Barometric Pressure	1,001 mbar

APPENDIX B2

High-Resolution Site Characterization

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1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

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JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251204

JOB NUMBER

705-51156-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

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Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51156-1	BRA-HRSC-01-TEMP-(20-25)	Water	12/04/25 09:30	12/04/25 14:33	Georgia
705-51156-2	BRA-HRSC-02-TEMP-(25-30)	Water	12/04/25 11:30	12/04/25 14:33	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/5/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour			
State, Zip: GA, 30144	Compliance Project: Δ Yes ☒ No			705-51156 COC
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			Other:
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
BRA-HRSC-01-TEMP-(20-25)	12/4/25	0930	G	W	N	N	X	1	
BRA-HRSC-02-TEMP-(25-30)	12/4/25	1130	G	W	N	N	X	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Andrews Dwomoh	12/4/25 1437	Geosyntec		12-04-25	1433
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 16.4°C #2927

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51156-1
SDG Number: BRA-CCR-CA-20251204

Login Number: 51156
List Number: 1
Creator: Torres, Dominique

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51156-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/4/2025 2:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 16.4°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Client Sample ID: BRA-HRSC-01-TEMP-(20-25)
Date Collected: 12/04/25 09:30
Date Received: 12/04/25 14:33

Lab Sample ID: 705-51156-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	450		5.0	0.41	ug/L		12/05/25 09:35	12/05/25 17:09	1

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Client Sample ID: BRA-HRSC-02-TEMP-(25-30)
Date Collected: 12/04/25 11:30
Date Received: 12/04/25 14:33

Lab Sample ID: 705-51156-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	76		5.0	0.41	ug/L		12/05/25 11:35	12/05/25 17:12	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-99415/1-A
Matrix: Water
Analysis Batch: 99667

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 99415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/05/25 07:33	12/05/25 16:56	1

Lab Sample ID: LCS 705-99415/2-A
Matrix: Water
Analysis Batch: 99667

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 99415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			100	101		ug/L		101	80 - 120		

Lab Sample ID: 705-51111-D-1-B MS
Matrix: Water
Analysis Batch: 99667

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 99415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	11		100	108		ug/L		96	75 - 125		

Lab Sample ID: 705-51111-D-1-C MSD
Matrix: Water
Analysis Batch: 99667

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 99415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	11		100	108		ug/L		96	75 - 125	0	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Client Sample ID: BRA-HRSC-01-TEMP-(20-25)

Lab Sample ID: 705-51156-1

Date Collected: 12/04/25 09:30
Matrix: Water
Date Received: 12/04/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99415	SA	EET ATL	12/05/25 09:35
Total Recoverable	Analysis	6020B		1	99667	IF	EET ATL	12/05/25 17:09

Client Sample ID: BRA-HRSC-02-TEMP-(25-30)

Lab Sample ID: 705-51156-2

Date Collected: 12/04/25 11:30
Matrix: Water
Date Received: 12/04/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99415	SA	EET ATL	12/05/25 11:35
Total Recoverable	Analysis	6020B		1	99667	IF	EET ATL	12/05/25 17:12

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51156-1
SDG: BRA-CCR-CA-20251204

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

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JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251204

JOB NUMBER

705-51163-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

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Job Notes

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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51163-1	BRA-HSRC-01-TEMP-(20-25)	Water	12/04/25 09:30	12/04/25 14:33	Georgia
705-51163-2	BRA-HSRC-02-TEMP-(25-30)	Water	12/04/25 11:30	12/04/25 14:33	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/5/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour			
State, Zip: GA, 30144	Compliance Project: Δ Yes ☒ No			
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
BRA-HRSC-01-TEMP-(20-25)	12/4/25	0930	G	W	Y	N	X	1	field filtered
BRA-HRSC-02-TEMP-(25-30)	12/4/25	1130	G	W	Y	N	X	1	field filtered

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Andrews Dwomoh	12/4/25 1437	Geosyntec		12.04.25	1433
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 16.4 C #2927

705-51163 COC

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51163-1
SDG Number: BRA-CCR-CA-20251204

Login Number: 51163
List Number: 1
Creator: Torres, Dominique

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51163-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/4/2025 2:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 16.4°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Client Sample ID: BRA-HSRC-01-TEMP-(20-25)
Date Collected: 12/04/25 09:30
Date Received: 12/04/25 14:33

Lab Sample ID: 705-51163-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	380		5.0	0.41	ug/L			12/05/25 16:38	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Client Sample ID: BRA-HSRC-02-TEMP-(25-30)
Date Collected: 12/04/25 11:30
Date Received: 12/04/25 14:33

Lab Sample ID: 705-51163-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	66		5.0	0.41	ug/L			12/05/25 16:28	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-99534/1-A
Matrix: Water
Analysis Batch: 99645

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.41	ug/L			12/05/25 16:22	1

Lab Sample ID: LCS 705-99534/2-A
Matrix: Water
Analysis Batch: 99645

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved			100	98.0		ug/L		98	80 - 120		

Lab Sample ID: 705-51163-2 MS
Matrix: Water
Analysis Batch: 99645

Client Sample ID: BRA-HSRC-02-TEMP-(25-30)
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved	66		100	163		ug/L		97	75 - 125		

Lab Sample ID: 705-51163-2 MSD
Matrix: Water
Analysis Batch: 99645

Client Sample ID: BRA-HSRC-02-TEMP-(25-30)
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt, Dissolved	66		100	165		ug/L		99	75 - 125	1	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Client Sample ID: BRA-HSRC-01-TEMP-(20-25)

Lab Sample ID: 705-51163-1

Date Collected: 12/04/25 09:30
Matrix: Water
Date Received: 12/04/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	99645	IF	EET ATL	12/05/25 16:38

Client Sample ID: BRA-HSRC-02-TEMP-(25-30)

Lab Sample ID: 705-51163-2

Date Collected: 12/04/25 11:30
Matrix: Water
Date Received: 12/04/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	99645	IF	EET ATL	12/05/25 16:28

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51163-1
SDG: BRA-CCR-CA-20251204

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/5/2025 7:13:09 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51312-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51312-1	BRA-HRSC-03-TEMP-(15.5-20.5)	Water	12/05/25 08:35	12/05/25 13:25	Georgia
705-51312-2	BRA-HRSC-04-TEMP-(19.5-24.5)	Water	12/05/25 10:20	12/05/25 13:25	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/5/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon			
State, Zip: GA, 30144	Compliance Project: Δ Yes ☒ No			
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			705-51312 COC
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			Other:
Site:	PO #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-03-TEMP-(15.5-20.5)	12/5/25	0835	G	W	N	N	X	1	field filtered
BRA-HRSC-04-TEMP-(19.5-24.5)	12/5/25	1020	G	W	N	N	X	1	field filtered

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Andrews Dwomoh	12/5/25 1325	Geosyntec		12.05.25 13:25	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: CI #2665 1.9°C

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51312-1
SDG Number: BRA-CCR-CA-20251205

Login Number: 51312
List Number: 1
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Is there sufficient air space in bottle for bacteriological analysis.	N/A	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51312-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/5/2025 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Metals
Method 6020B - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 705-99676 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)

Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51312-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	96	F1	5.0	0.41	ug/L			12/05/25 17:35	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-04-TEMP-(19.5-24.5)

Date Collected: 12/05/25 10:20
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51312-2

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	200		5.0	0.41	ug/L			12/05/25 17:45	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-99624/1-A
Matrix: Water
Analysis Batch: 99676

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.41	ug/L			12/05/25 17:30	1

Lab Sample ID: LCS 705-99624/2-A
Matrix: Water
Analysis Batch: 99676

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved			100	84.8		ug/L		85	80 - 120		

Lab Sample ID: 705-51312-1 MS
Matrix: Water
Analysis Batch: 99676

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved	96	F1	100	174		ug/L		77	75 - 125		

Lab Sample ID: 705-51312-1 MSD
Matrix: Water
Analysis Batch: 99676

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt, Dissolved	96	F1	100	181		ug/L		85	75 - 125	4	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)

Lab Sample ID: 705-51312-1

Date Collected: 12/05/25 08:35
Matrix: Water
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	99676	TT	EET ATL	12/05/25 17:35

Client Sample ID: BRA-HRSC-04-TEMP-(19.5-24.5)

Lab Sample ID: 705-51312-2

Date Collected: 12/05/25 10:20
Matrix: Water
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	99676	TT	EET ATL	12/05/25 17:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51312-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/7/2025 8:27:29 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51313-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51313-1	BRA-HRSC-03-TEMP-(15.5-20.5)	Water	12/05/25 08:35	12/05/25 13:25	Georgia
705-51313-2	BRA-HRSC-04-TEMP-(19.5-24.5)	Water	12/05/25 10:20	12/05/25 13:25	Georgia
705-51313-3	BRA-HRSC-FD-01-TEMP	Water	12/05/25 08:35	12/05/25 13:25	Georgia
705-51313-4	BRA-HRSC-EB-01-TEMP	Water	12/05/25 08:35	12/05/25 13:25	Georgia
705-51313-5	BRA-HRSC-FB-01-TEMP	Water	12/05/25 08:35	12/05/25 13:25	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

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Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/5/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon			
State, Zip: GA, 30144	Compliance Project: Δ Yes ✗ No			705-51313 COC
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			Other:
Email Lab Deliverables to: CCollins@Geosyntec.com; Jlvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-03-TEMP-(15.5-20.5)	12/5/25	0935	G	W	N	N	X	1	
BRA-HRSC-04-TEMP-(19.5-24.5)		1020	G	W	N	N	X	1	
BRA-HRSC-FD-01-TEMP		0835	G	W	N	N	X	1	
BRA-HRSC-EB-01-TEMP		0835	G	W	N	N	X	1	
BRA-HRSC-FB-01-TEMP		0835	G	W	N	N	X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Andrews Dwomoh	12/5/25 1325	Geosyntec		12-05-25 13:25	
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: CL #2665 1.9°C

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51313-1
SDG Number: BRA-CCR-CA-20251205

Login Number: 51313
List Number: 1
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Is there sufficient air space in bottle for bacteriological analysis.	N/A	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51313-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/5/2025 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51313-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	120		5.0	0.41	ug/L		12/05/25 15:49	12/06/25 09:36	1

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-04-TEMP-(19.5-24.5)
Date Collected: 12/05/25 10:20
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51313-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	280		5.0	0.41	ug/L		12/05/25 15:49	12/06/25 09:43	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-FD-01-TEMP
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51313-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	120		5.0	0.41	ug/L		12/05/25 15:49	12/06/25 09:46	1

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-EB-01-TEMP
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51313-4
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/05/25 15:49	12/06/25 09:48	1

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-FB-01-TEMP
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Lab Sample ID: 705-51313-5
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/05/25 15:49	12/06/25 09:51	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-99616/1-A
Matrix: Water
Analysis Batch: 99695

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 99616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/05/25 15:49	12/06/25 09:32	1

Lab Sample ID: LCS 705-99616/2-A
Matrix: Water
Analysis Batch: 99695

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 99616

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			100	104		ug/L		104	80 - 120		

Lab Sample ID: 705-51313-1 MS
Matrix: Water
Analysis Batch: 99695

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)
Prep Type: Total Recoverable
Prep Batch: 99616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	120		100	226		ug/L		104	75 - 125		

Lab Sample ID: 705-51313-1 MSD
Matrix: Water
Analysis Batch: 99695

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)
Prep Type: Total Recoverable
Prep Batch: 99616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	120		100	225		ug/L		103	75 - 125	0	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-03-TEMP-(15.5-20.5)

Lab Sample ID: 705-51313-1
Matrix: Water
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99616	MT	EET ATL	12/05/25 15:49
Total Recoverable	Analysis	6020B		1	99695	TT	EET ATL	12/06/25 09:36

Client Sample ID: BRA-HRSC-04-TEMP-(19.5-24.5)

Lab Sample ID: 705-51313-2
Matrix: Water
Date Collected: 12/05/25 10:20
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99616	MT	EET ATL	12/05/25 15:49
Total Recoverable	Analysis	6020B		1	99695	TT	EET ATL	12/06/25 09:43

Client Sample ID: BRA-HRSC-FD-01-TEMP

Lab Sample ID: 705-51313-3
Matrix: Water
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99616	MT	EET ATL	12/05/25 15:49
Total Recoverable	Analysis	6020B		1	99695	TT	EET ATL	12/06/25 09:46

Client Sample ID: BRA-HRSC-EB-01-TEMP

Lab Sample ID: 705-51313-4
Matrix: Water
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99616	MT	EET ATL	12/05/25 15:49
Total Recoverable	Analysis	6020B		1	99695	TT	EET ATL	12/06/25 09:48

Client Sample ID: BRA-HRSC-FB-01-TEMP

Lab Sample ID: 705-51313-5
Matrix: Water
Date Collected: 12/05/25 08:35
Date Received: 12/05/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			99616	MT	EET ATL	12/05/25 15:49
Total Recoverable	Analysis	6020B		1	99695	TT	EET ATL	12/06/25 09:51

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51313-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/9/2025 12:14:27 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51509-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51509-1	BRA-HRSC-05-TEMP-(17-22)	Water	12/07/25 14:30	12/08/25 12:30	Georgia
705-51509-2	BRA-HRSC-06-TEMP-(17-22)	Water	12/08/25 09:18	12/08/25 12:30	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/9/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon			
State, Zip: GA, 30144	Compliance Project: Δ Yes ☒ No			705-51509 COC
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			Other:
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-05-TEMP-(17-22)	12/7/25	1430	G	W	N	N	X	1	
BRA-HRSC-06-TEMP-(17-22)	12/8/25	0918	G	W	N	N	X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Andrews Dwomoh	12/8/25 1220	Geosyntec		12.08.25 1230	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	17.0°C #2665

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51509-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 17.0°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-05-TEMP-(17-22)

Date Collected: 12/07/25 14:30
Date Received: 12/08/25 12:30

Lab Sample ID: 705-51509-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	120		5.0	0.41	ug/L		12/08/25 14:14	12/08/25 19:21	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-06-TEMP-(17-22)

Date Collected: 12/08/25 09:18
Date Received: 12/08/25 12:30

Lab Sample ID: 705-51509-2

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	140		5.0	0.41	ug/L		12/08/25 14:14	12/08/25 19:27	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-100011/1-A
Matrix: Water
Analysis Batch: 100199

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 100011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/08/25 14:14	12/08/25 19:09	1

Lab Sample ID: LCS 705-100011/2-A
Matrix: Water
Analysis Batch: 100199

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 100011

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			100	105		ug/L		105	80 - 120		

Lab Sample ID: 705-51466-D-26-B MS
Matrix: Water
Analysis Batch: 100199

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 100011

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	ND		100	108		ug/L		108	75 - 125		

Lab Sample ID: 705-51466-D-26-C MSD
Matrix: Water
Analysis Batch: 100199

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 100011

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	ND		100	105		ug/L		105	75 - 125	3	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-05-TEMP-(17-22)

Lab Sample ID: 705-51509-1

Date Collected: 12/07/25 14:30
Matrix: Water
Date Received: 12/08/25 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			100011	SA	EET ATL	12/08/25 14:14
Total Recoverable	Analysis	6020B		1	100199	IF	EET ATL	12/08/25 19:21

Client Sample ID: BRA-HRSC-06-TEMP-(17-22)

Lab Sample ID: 705-51509-2

Date Collected: 12/08/25 09:18
Matrix: Water
Date Received: 12/08/25 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			100011	SA	EET ATL	12/08/25 14:14
Total Recoverable	Analysis	6020B		1	100199	IF	EET ATL	12/08/25 19:27

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51509-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/9/2025 12:16:59 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51510-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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12/9/2025 12:16:59 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51510-1	BRA-HRSC-05-TEMP-(17-22)	Water	12/07/25 14:30	12/08/25 12:43	Georgia
705-51510-2	BRA-HRSC-06-TEMP-(17-22)	Water	12/08/25 09:18	12/08/25 12:43	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/9/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon			705-51510 COC
State, Zip: GA, 30144	Compliance Project: ∆ Yes ∆ No			
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			Other:
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-05-TEMP-(17-22)	12/7/25	1430	G	W	N	N	X	1	field filtered
BRA-HRSC-06-TEMP-(17-22)	12/8/25	0918	G	W	N	N	X	1	field filtered

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Andrews Dwomoh	12/8/25 1230	Geosyntec		12.08.25 1230	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: C1 17.0°C #2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51510-1
SDG Number: BRA-CCR-CA-20251205

Login Number: 51510
List Number: 1
Creator: Taylor, Renee

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51510-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 12:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 17.0°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-05-TEMP-(17-22)
Date Collected: 12/07/25 14:30
Date Received: 12/08/25 12:43

Lab Sample ID: 705-51510-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	110		5.0	0.41	ug/L			12/08/25 16:40	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-06-TEMP-(17-22)

Date Collected: 12/08/25 09:18
Date Received: 12/08/25 12:43

Lab Sample ID: 705-51510-2

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	120		5.0	0.41	ug/L			12/08/25 16:48	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-100047/1-A
Matrix: Water
Analysis Batch: 100195

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.41	ug/L			12/08/25 16:35	1

Lab Sample ID: LCS 705-100047/2-A
Matrix: Water
Analysis Batch: 100195

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved			100	95.2		ug/L		95	80 - 120		

Lab Sample ID: 705-51510-1 MS
Matrix: Water
Analysis Batch: 100195

Client Sample ID: BRA-HRSC-05-TEMP-(17-22)
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved	110		100	204		ug/L		95	75 - 125		

Lab Sample ID: 705-51510-1 MSD
Matrix: Water
Analysis Batch: 100195

Client Sample ID: BRA-HRSC-05-TEMP-(17-22)
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt, Dissolved	110		100	203		ug/L		93	75 - 125	1	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-05-TEMP-(17-22)

Lab Sample ID: 705-51510-1

Date Collected: 12/07/25 14:30
Matrix: Water
Date Received: 12/08/25 12:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	100195	IF	EET ATL	12/08/25 16:40

Client Sample ID: BRA-HRSC-06-TEMP-(17-22)

Lab Sample ID: 705-51510-2

Date Collected: 12/08/25 09:18
Matrix: Water
Date Received: 12/08/25 12:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	100195	IF	EET ATL	12/08/25 16:48

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51510-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 5:57:53 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51643-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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12/10/2025 5:57:53 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51643-1	BRA-HRSC-10-TEMP-(24.5-29.5)	Water	12/09/25 10:25	12/09/25 13:20	Georgia
705-51643-2	BRA-HRSC-11-TEMP-(17.5-22.5)	Water	12/09/25 08:55	12/09/25 13:20	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/9/2025			Preservation Codes: D - HNO3
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon			
State, Zip: GA, 30144	Compliance Project: Δ Yes ~~Δ~~ No			
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-10-TEMP-(24.5-29.5)	12/9/25	1025	G	W	N	N	X	1	
BRA-HRSC-11-TEMP-(17.5-22.5)	12/9/25	0855	G	W	N	N	X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Andrews Dwomoh	12/9/25 1320	Geosyntec		12.09.25 1320	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7 #2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51643-1
SDG Number: BRA-CCR-CA-20251205

Login Number: 51643
List Number: 1
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51643-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/9/2025 1:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-10-TEMP-(24.5-29.5)

Date Collected: 12/09/25 10:25
Date Received: 12/09/25 13:20

Lab Sample ID: 705-51643-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	60		5.0	0.41	ug/L		12/10/25 10:40	12/10/25 16:11	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-11-TEMP-(17.5-22.5)
Date Collected: 12/09/25 08:55
Date Received: 12/09/25 13:20

Lab Sample ID: 705-51643-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	120		5.0	0.41	ug/L		12/10/25 10:40	12/10/25 16:14	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-100430/1-A
Matrix: Water
Analysis Batch: 100711

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 100430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/10/25 07:15	12/10/25 15:43	1

Lab Sample ID: LCS 705-100430/2-A
Matrix: Water
Analysis Batch: 100711

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 100430

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			100	102		ug/L		102	80 - 120		

Lab Sample ID: 680-268559-A-6-B MS
Matrix: Water
Analysis Batch: 100711

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 100430

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	1.0	J	100	102		ug/L		100	75 - 125		

Lab Sample ID: 680-268559-A-6-C MSD
Matrix: Water
Analysis Batch: 100711

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 100430

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	1.0	J	100	103		ug/L		102	75 - 125	1	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-10-TEMP-(24.5-29.5)

Lab Sample ID: 705-51643-1

Date Collected: 12/09/25 10:25
Matrix: Water
Date Received: 12/09/25 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			100430	BR	EET ATL	12/10/25 10:40
Total Recoverable	Analysis	6020B		1	100711	IF	EET ATL	12/10/25 16:11

Client Sample ID: BRA-HRSC-11-TEMP-(17.5-22.5)

Lab Sample ID: 705-51643-2

Date Collected: 12/09/25 08:55
Matrix: Water
Date Received: 12/09/25 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			100430	BR	EET ATL	12/10/25 10:40
Total Recoverable	Analysis	6020B		1	100711	IF	EET ATL	12/10/25 16:14

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51643-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/10/2025 12:24:11 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51644-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

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Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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12/10/2025 12:24:11 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51644-1	BRA-HRSC-10-TEMP-(24.5-29.5)	Water	12/09/25 10:25	12/09/25 13:20	Georgia
705-51644-2	BRA-HRSC-11-TEMP-(17.5-22.5)	Water	12/09/25 08:55	12/09/25 13:20	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/9/2025
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com	
Project Name: Plant Branch	WO #:
Site:	PO #:

Analysis Requested

Preservation Codes: D - HNO3

705-51644 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-10-TEMP-(24.5-29.5)	12/9/25	1025	G	W	N	N	X	1	field filtered
BRA-HRSC-11-TEMP-(17.5-22.5)	12/9/25	0855	G	W	N	N	X	1	field filtered

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Andrews Dwomoh	Date/Time: 12/9/25 1320	Company Geosyntec	Received by:	Date/Time: 12.09.25 1320	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: CA 0.7 #2665

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51644-1
SDG Number: BRA-CCR-CA-20251205

Login Number: 51644
List Number: 1
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 705-51644-1 — Eurofins Atlanta

Job Narrative
705-51644-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/9/2025 1:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-10-TEMP-(24.5-29.5)

Date Collected: 12/09/25 10:25
Date Received: 12/09/25 13:20

Lab Sample ID: 705-51644-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	62		5.0	0.41	ug/L			12/10/25 11:04	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-11-TEMP-(17.5-22.5)

Date Collected: 12/09/25 08:55
Date Received: 12/09/25 13:20

Lab Sample ID: 705-51644-2

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	120		5.0	0.41	ug/L			12/10/25 11:10	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-100268/1-A
Matrix: Water
Analysis Batch: 100540

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.41	ug/L			12/10/25 05:03	1

Lab Sample ID: LCS 705-100268/2-A
Matrix: Water
Analysis Batch: 100540

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved			100	96.0		ug/L		96	80 - 120		

Lab Sample ID: 705-51492-A-1 MS
Matrix: Water
Analysis Batch: 100540

Client Sample ID: Matrix Spike
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt, Dissolved	6.8		100	102		ug/L		95	75 - 125		

Lab Sample ID: 705-51492-A-1 MSD
Matrix: Water
Analysis Batch: 100540

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt, Dissolved	6.8		100	108		ug/L		101	75 - 125	5	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-10-TEMP-(24.5-29.5)

Lab Sample ID: 705-51644-1

Date Collected: 12/09/25 10:25
Matrix: Water
Date Received: 12/09/25 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	100540	IF	EET ATL	12/10/25 11:04

Client Sample ID: BRA-HRSC-11-TEMP-(17.5-22.5)

Lab Sample ID: 705-51644-2

Date Collected: 12/09/25 08:55
Matrix: Water
Date Received: 12/09/25 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6020B		1	100540	IF	EET ATL	12/10/25 11:10

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51644-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Collins
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 12/11/2025 5:02:12 PM

JOB DESCRIPTION

Plant Branch
BRA-CCR-CA-20251205

JOB NUMBER

705-51893-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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12/11/2025 5:02:12 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
705-51893-1	BRA-HRSC-01-TEMP-(20-25)	Water	12/10/25 14:00	12/10/25 18:47	Georgia
705-51893-2	BRA-HRSC-12-TEMP-(24.5-29.5)	Water	12/10/25 15:40	12/10/25 18:47	Georgia

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Andrews Dwomoh	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Courtney Collins	Phone: 678-784-5170	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested: 12/9/2025			Preservation Codes: D - HNO
City: Kennesaw	TAT Requested (days): 24-hour/next business day before noon			705-51893 COC
State, Zip: GA, 30144	Compliance Project: Δ Yes ~~Δ~~ No			
Phone: 678-596-6738(Tel)	Lab Project #: 70505551 (DO NOT REMOVE)			Other:
Email Lab Deliverables to: CCollins@Geosyntec.com; JIvanowski@Geosyntec.com; catidwel@southernco.com				
Project Name: Plant Branch	WO #:			
Site:	PO #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Cobalt	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		Task Code: BRA-CCR-CA-20251205 Do not report this project to EQuIS
BRA-HRSC-01-TEMP-(20-25)	12/10/25	1400	G	W	N	N	X	1	
BRA-HRSC-12-TEMP-(24.5-29.5)	12/10/25	1540	G	W	N	N	X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Andrews Dwomoh	12/11/25 1847	Geosyntec		12/10/25 1847	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: .6 #2665

12/11/2025

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 705-51893-1
SDG Number: BRA-CCR-CA-20251205

Login Number: 51893
List Number: 1
Creator: Taylor, Renee

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	N/A	

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-51893-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/10/2025 6:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-01-TEMP-(20-25)
Date Collected: 12/10/25 14:00
Date Received: 12/10/25 18:47

Lab Sample ID: 705-51893-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	200		5.0	0.41	ug/L		12/11/25 06:25	12/11/25 10:39	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-12-TEMP-(24.5-29.5)
Date Collected: 12/10/25 15:40
Date Received: 12/10/25 18:47

Lab Sample ID: 705-51893-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	420		5.0	0.41	ug/L		12/11/25 06:25	12/11/25 10:45	1

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-100436/1-A
Matrix: Water
Analysis Batch: 100858

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 100436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.41	ug/L		12/10/25 08:03	12/11/25 00:26	1

Lab Sample ID: LCS 705-100436/2-A
Matrix: Water
Analysis Batch: 100858

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 100436

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			100	99.8		ug/L		100	80 - 120		

Lab Sample ID: 705-51724-B-1-B MS
Matrix: Water
Analysis Batch: 100858

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 100436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	2.8	J	100	98.2		ug/L		95	75 - 125		

Lab Sample ID: 705-51724-B-1-C MSD
Matrix: Water
Analysis Batch: 100858

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 100436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	2.8	J	100	101		ug/L		98	75 - 125	3	20

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Client Sample ID: BRA-HRSC-01-TEMP-(20-25)

Lab Sample ID: 705-51893-1

Date Collected: 12/10/25 14:00
Matrix: Water
Date Received: 12/10/25 18:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			100436	BR	EET ATL	12/11/25 06:25
Total Recoverable	Analysis	6020B		1	100872	IF	EET ATL	12/11/25 10:39

Client Sample ID: BRA-HRSC-12-TEMP-(24.5-29.5)

Lab Sample ID: 705-51893-2

Date Collected: 12/10/25 15:40
Matrix: Water
Date Received: 12/10/25 18:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			100436	BR	EET ATL	12/11/25 06:25
Total Recoverable	Analysis	6020B		1	100872	IF	EET ATL	12/11/25 10:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Plant Branch

Job ID: 705-51893-1
SDG: BRA-CCR-CA-20251205

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26

APPENDIX C

Statistical Analysis Report

GROUNDWATER STATS CONSULTING

February 27, 2026

Southern Company Services
Attn: Mr. Chris Tidwell
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Branch Pond E – August/September 2025 Statistical Analysis

Dear Mr. Tidwell,

Groundwater Stats Consulting (GSC), formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August/September 2025 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical Analysis of groundwater data for Georgia Power Company's Plant Branch Pond E. The analysis complies with the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III parameters began in 2016 and semi-annual sampling of the majority of Appendix IV constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** BRGWA-2I, BRGWA-2S, BRGWA-5I, BRGWA-5S, and BRGWA-6S
- **Downgradient wells:** BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-37S, and BRGWC-38S
- **Assessment wells:** PZ-13S, PZ-52D, PZ-53D, and PZ-70I

Data were sent electronically to GSC, and the statistical analysis was reviewed by Andrew Collins, Project Manager of GSC.

The Coal Combustion Residuals (CCR) monitoring program consists of the following constituents:

- **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. This generally gives the most conservative limit in each case.

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).

In earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters 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 previous 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.

Summary of Statistical Methods – Appendix III Parameters:

Based on the earlier evaluation described above, the following methods were selected:

- Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS

Parametric prediction limits 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 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 distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- 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 most recent 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. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Screening – Conducted in March 2019

Outlier Analysis

Time series plots were used to identify suspected outliers or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed

background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified either visually or by Tukey's test, flagged in the computer database with "o" and deselected prior to construction of statistical limits. A list of flagged values is provided in the outlier summary (Figure C). Although outliers were screened for all wells, only outliers in upgradient wells will affect the interwell prediction limits.

When suspected outliers were evaluated using the Tukey box plot method during the previous screening, a few outliers were identified. In cases where the most recent value was identified as an outlier, values were not flagged in the database as the measurements may represent a future trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

When any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data in upgradient wells are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data

are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed a number of statistically significant decreasing and increasing trends for the Appendix III parameters. All trends noted were relatively low in magnitude when compared to average concentrations and were in downgradient wells; therefore, the trends did not affect the interwell limits, and no adjustments were made to the data sets. Trend test results were included with the background screening report.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. 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.

The ANOVA identified no variation among upgradient well data for fluoride, making this constituent eligible for interwell analyses. Variation was noted for boron, calcium, chloride, pH, sulfate, and TDS. While data were further tested for intrawell eligibility during the screening, interwell methods will be used for all Appendix III constituents in accordance with Georgia EPD requirements.

Evaluation of Appendix III Parameters – August/September 2025

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August/September 2025 (Figure D). Background (upgradient) well data were reassessed via visual screening with time series graphs for potential outliers during this analysis in order to construct a statistical limit that is conservative (i.e., lower) from a regulatory perspective and representative of current groundwater quality conditions. No additional values were flagged. Interwell prediction limits pool upgradient well data to establish a background limit for an individual

constituent. The August/September 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 resamples confirm 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 and, therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the background prediction limits follows this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S
- Calcium: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, and BRGWC-36S
- Chloride: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S
- Fluoride: BRGWC-38S
- pH (lower limit): BRGWC-33S, BRGWC-36S, and BRGWC-38S
- Sulfate: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S
- TDS: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S

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 to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Boron: BRGWC-35S and BRGWC-36S
- Calcium: BRGWA-2S, BRGWA-6S (both upgradient) and BRGWC-17S

- Chloride: BRGWC-17S, BRGWC-33S, BRGWC-35S, and BRGWC-36S
- Sulfate: BRGWC-17S
- TDS: BRGWC-17S

Decreasing:

- Boron: BRGWC-38S
- Calcium: BRGWA-5S (upgradient) and BRGWC-36S
- Chloride: BRGWA-5I and BRGWA-5S (both upgradient)
- pH: BRGWA-2I, BRGWA-2S, and BRGWA-5S (all upgradient)
- Sulfate: BRGWA-2I (upgradient), BRGWC-36S, and BRGWC-38S
- TDS: BRGWA-2I, BRGWA-5S (both upgradient), BRGWC-36S, and BRGWC-38S

A summary of the trend test results follows this letter.

Evaluation of Appendix IV Parameters – August/September 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, which includes all downgradient wells for molybdenum. Data from upgradient wells for Appendix IV parameters are reassessed for outliers via visual screening with time series graphs during each analysis. No new values were flagged, and a summary of previously flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August/September 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 to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well with a minimum of 8 observations and each assessment well with a minimum of 4 observations (Figure H). As mentioned above, well/constituent pairs containing 100% non-detects do not require analysis.

The Sanitas software was used to calculate the tolerance limits and the confidence intervals. 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 as interval limits depending on the sample size, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available.

Only when the entire confidence interval is above a GWPS is the downgradient or assessment 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. Statistical exceedances were identified for the following well/constituent pairs:

- Beryllium: BRGWC-38S
- Cobalt: BRGWC-33S and BRGWC-38S

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence 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. Statistically significant trends were noted for the following well/constituent pairs:

Increasing:
- None

Decreasing:
- Beryllium: BRGWC-38S
- Cobalt: BRGWA-2I, BRGWA-2S, BRGWA-5I (all upgradient), and BRGWC-38S

Summary

Observations from the August/September 2025 sample event at Branch Pond E were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S
- Calcium: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, and BRGWC-36S

- Chloride: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S
- Fluoride: BRGWC-38S
- pH (lower limit): BRGWC-33S, BRGWC-36S, and BRGWC-38S
- Sulfate: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S
- TDS: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, and BRGWC-38S

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, the following exceedances were identified:

- Beryllium: BRGWC-38S
- Cobalt: BRGWC-33S and BRGWC-38S

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Branch Pond E. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane
Groundwater Analyst



Andrew T. Collins
Project Manager

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Summary Tables

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100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 10/22/2025 1:05 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Antimony (mg/L)
BRGWC-33S, BRGWC-34S, BRGWC-35S, PZ-13S, PZ-52D, PZ-53D, PZ-70I

Arsenic (mg/L)
BRGWC-34S, PZ-53D

Beryllium (mg/L)
BRGWC-17S, BRGWC-37S, PZ-52D, PZ-53D

Cadmium (mg/L)
BRGWC-17S, BRGWC-35S, BRGWC-37S, PZ-52D, PZ-53D, PZ-70I

Chromium (mg/L)
BRGWC-34S, PZ-52D, PZ-53D, PZ-70I

Cobalt (mg/L)
BRGWC-17S, BRGWC-36S, BRGWC-37S

Lead (mg/L)
PZ-52D, PZ-53D, PZ-70I

Lithium (mg/L)
BRGWC-37S

Mercury (mg/L)
PZ-13S, PZ-52D, PZ-53D

Molybdenum (mg/L)
BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-37S, BRGWC-38S, PZ-13S

Selenium (mg/L)
BRGWC-34S, BRGWC-35S, BRGWC-37S, PZ-52D

Thallium (mg/L)
BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-37S, PZ-13S, PZ-52D, PZ-53D, PZ-70I

Appendix III Interwell Prediction Limits - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 11:56 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)	BRGWC-17S	0.0187	n/a	9/3/2025	0.101	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-33S	0.0187	n/a	9/3/2025	2.3	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-34S	0.0187	n/a	9/2/2025	2	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-35S	0.0187	n/a	9/3/2025	2.46	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-36S	0.0187	n/a	9/3/2025	1.05	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-38S	0.0187	n/a	9/2/2025	1.05	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Calcium (mg/L)	BRGWC-17S	24	n/a	9/3/2025	48.7	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-33S	24	n/a	9/3/2025	375	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-34S	24	n/a	9/2/2025	164	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-35S	24	n/a	9/3/2025	63.3	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-36S	24	n/a	9/3/2025	39.8	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-17S	4.8	n/a	9/3/2025	5.04	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-33S	4.8	n/a	9/3/2025	56.8	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-34S	4.8	n/a	9/2/2025	30.1	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-35S	4.8	n/a	9/3/2025	6.4	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-36S	4.8	n/a	9/3/2025	8.21	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-38S	4.8	n/a	9/2/2025	6.44	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-38S	0.289	n/a	9/2/2025	0.296	Yes	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-33S	7.053	5.79	9/3/2025	5	Yes	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	BRGWC-36S	7.053	5.79	9/3/2025	5.51	Yes	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	BRGWC-38S	7.053	5.79	9/2/2025	4.33	Yes	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
Sulfate (mg/L)	BRGWC-17S	7.5	n/a	9/3/2025	203	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-33S	7.5	n/a	9/3/2025	1210	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-34S	7.5	n/a	9/2/2025	499	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-35S	7.5	n/a	9/3/2025	241	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-36S	7.5	n/a	9/3/2025	199	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-38S	7.5	n/a	9/2/2025	190	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
TDS (mg/L)	BRGWC-17S	190.1	n/a	9/3/2025	453	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-33S	190.1	n/a	9/3/2025	2050	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-34S	190.1	n/a	9/2/2025	890	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-35S	190.1	n/a	9/3/2025	505	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-36S	190.1	n/a	9/3/2025	394	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-38S	190.1	n/a	9/2/2025	348	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 11:56 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)	**BRGWC-17S**	**0.0187**	**n/a**	**9/3/2025**	**0.101**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-33S**	**0.0187**	**n/a**	**9/3/2025**	**2.3**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-34S**	**0.0187**	**n/a**	**9/2/2025**	**2**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-35S**	**0.0187**	**n/a**	**9/3/2025**	**2.46**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-36S**	**0.0187**	**n/a**	**9/3/2025**	**1.05**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	BRGWC-37S	0.0187	n/a	9/2/2025	0.015ND	No	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	**BRGWC-38S**	**0.0187**	**n/a**	**9/2/2025**	**1.05**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**BRGWC-17S**	**24**	**n/a**	**9/3/2025**	**48.7**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-33S**	**24**	**n/a**	**9/3/2025**	**375**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-34S**	**24**	**n/a**	**9/2/2025**	**164**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-35S**	**24**	**n/a**	**9/3/2025**	**63.3**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-36S**	**24**	**n/a**	**9/3/2025**	**39.8**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BRGWC-37S	24	n/a	9/2/2025	3.6	No	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-38S	24	n/a	9/2/2025	21.4	No	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-17S**	**4.8**	**n/a**	**9/3/2025**	**5.04**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-33S**	**4.8**	**n/a**	**9/3/2025**	**56.8**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-34S**	**4.8**	**n/a**	**9/2/2025**	**30.1**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-35S**	**4.8**	**n/a**	**9/3/2025**	**6.4**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-36S**	**4.8**	**n/a**	**9/3/2025**	**8.21**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-37S	4.8	n/a	9/2/2025	1.88	No	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-38S**	**4.8**	**n/a**	**9/2/2025**	**6.44**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	BRGWC-17S	0.289	n/a	9/3/2025	0.105	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-33S	0.289	n/a	9/3/2025	0.0936J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-34S	0.289	n/a	9/2/2025	0.113	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-35S	0.289	n/a	9/3/2025	0.0847J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-36S	0.289	n/a	9/3/2025	0.081J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-37S	0.289	n/a	9/2/2025	0.0668J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**BRGWC-38S**	**0.289**	**n/a**	**9/2/2025**	**0.296**	**Yes**	**120**	**n/a**	**n/a**	**45.83**	**n/a**	**n/a**	**0.0001349**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	BRGWC-17S	7.053	5.79	9/3/2025	6.22	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-33S**	**7.053**	**5.79**	**9/3/2025**	**5**	**Yes**	**123**	**6.422**	**0.3378**	**0**	**None**	**No**	**0.0005373**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-34S	7.053	5.79	9/2/2025	5.8	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	BRGWC-35S	7.053	5.79	9/3/2025	5.97	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-36S**	**7.053**	**5.79**	**9/3/2025**	**5.51**	**Yes**	**123**	**6.422**	**0.3378**	**0**	**None**	**No**	**0.0005373**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-37S	7.053	5.79	9/2/2025	5.92	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-38S**	**7.053**	**5.79**	**9/2/2025**	**4.33**	**Yes**	**123**	**6.422**	**0.3378**	**0**	**None**	**No**	**0.0005373**	**Param Inter 1 of 2**
Sulfate (mg/L)	**BRGWC-17S**	**7.5**	**n/a**	**9/3/2025**	**203**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-33S**	**7.5**	**n/a**	**9/3/2025**	**1210**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-34S**	**7.5**	**n/a**	**9/2/2025**	**499**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-35S**	**7.5**	**n/a**	**9/3/2025**	**241**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-36S**	**7.5**	**n/a**	**9/3/2025**	**199**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BRGWC-37S	7.5	n/a	9/2/2025	0.273J	No	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BRGWC-38S**	**7.5**	**n/a**	**9/2/2025**	**190**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BRGWC-17S**	**190.1**	**n/a**	**9/3/2025**	**453**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-33S**	**190.1**	**n/a**	**9/3/2025**	**2050**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-34S**	**190.1**	**n/a**	**9/2/2025**	**890**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-35S**	**190.1**	**n/a**	**9/3/2025**	**505**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-36S**	**190.1**	**n/a**	**9/3/2025**	**394**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	BRGWC-37S	190.1	n/a	9/2/2025	44	No	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	**BRGWC-38S**	**190.1**	**n/a**	**9/2/2025**	**348**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 12:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWC-35S	0.1425	195	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-36S	0.02384	124	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-38S	-0.06539	-131	-92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2S (bg)	0.2173	139	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-5S (bg)	-0.5779	-108	-92	Yes	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-6S (bg)	0.1097	132	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-17S	2.263	168	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-36S	-1.214	-130	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5I (bg)	-0.09746	-94	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5S (bg)	-0.06939	-136	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-17S	0.184	134	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-33S	4.785	114	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-35S	0.06009	93	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-36S	0.5172	154	92	Yes	22	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2I (bg)	-0.07589	-175	-111	Yes	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2S (bg)	-0.0418	-186	-118	Yes	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-5S (bg)	-0.03735	-115	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-2I (bg)	-0.3437	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-17S	9.943	149	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-36S	-11.82	-144	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-38S	-34.65	-194	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-2I (bg)	-9.299	-96	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5S (bg)	-6.64	-138	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-17S	11.28	118	92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-36S	-17.42	-192	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-38S	-48.23	-205	-92	Yes	22	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 12:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWA-2I (bg)	0.000221	45	92	No	22	36.36	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-2S (bg)	0	-26	-92	No	22	81.82	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5I (bg)	0	-38	-92	No	22	68.18	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5S (bg)	0	-39	-92	No	22	50	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-6S (bg)	0	-19	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-17S	0.00427	68	98	No	23	30.43	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-33S	0.01253	35	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-34S	-0.01932	-44	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-35S**	**0.1425**	**195**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-36S**	**0.02384**	**124**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-38S**	**-0.06539**	**-131**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-2I (bg)	0.01811	4	92	No	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2173**	**139**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-5I (bg)	0.2988	91	92	No	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.5779**	**-108**	**-92**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1097**	**132**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWC-17S**	**2.263**	**168**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-33S	13.17	69	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-34S	-1.088	-31	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-35S	0.887	72	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-36S**	**-1.214**	**-130**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-2I (bg)	0	-8	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-2S (bg)	0.02936	43	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-5I (bg)**	**-0.09746**	**-94**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06939**	**-136**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-6S (bg)	-0.007123	-39	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-17S**	**0.184**	**134**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWC-33S**	**4.785**	**114**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-34S	0.09746	26	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-35S**	**0.06009**	**93**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWC-36S**	**0.5172**	**154**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-38S	0.1308	71	92	No	22	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-2I (bg)	0	-54	-105	No	24	45.83	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-2S (bg)	0	64	105	No	24	50	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5I (bg)	0	85	105	No	24	58.33	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5S (bg)	0	14	105	No	24	29.17	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-6S (bg)	0	5	105	No	24	45.83	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWC-38S	-0.04644	-91	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07589**	**-175**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.0418**	**-186**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-5I (bg)	-0.01352	-57	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03735**	**-115**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-6S (bg)	-0.01337	-33	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-33S	-0.01075	-66	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-36S	0.001742	8	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-38S	-0.05991	-112	-118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3437**	**-105**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-2S (bg)	-0.02336	-41	-92	No	22	22.73	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5I (bg)	-0.1344	-71	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5S (bg)	-0.03362	-87	-92	No	22	22.73	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-6S (bg)	-0.009389	-54	-92	No	22	18.18	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-17S**	**9.943**	**149**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-33S	32.84	54	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-34S	-14.04	-86	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-35S	-0.9656	-37	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-36S**	**-11.82**	**-144**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-38S**	**-34.65**	**-194**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-9.299**	**-96**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-2S (bg)	-0.1351	-5	-92	No	22	4.545	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5I (bg)	-2.696	-63	-92	No	22	4.545	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.64**	**-138**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-6S (bg)	-2.111	-47	-87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-17S**	**11.28**	**118**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-33S	63.38	62	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-34S	-16.36	-45	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-35S	0.4044	8	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-36S**	**-17.42**	**-192**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWC-38S**	**-48.23**	**-205**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 12:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	115	93.91	n/a	0.002743	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	115	78.26	n/a	0.002743	NP Inter(NDs)
Barium (mg/L)	n/a	0.063	n/a	n/a	n/a	n/a	115	0	n/a	0.002743	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)
Chromium (mg/L)	n/a	0.016	n/a	n/a	n/a	n/a	115	13.91	n/a	0.002743	NP Inter(normality)
Cobalt (mg/L)	n/a	0.0034	n/a	n/a	n/a	n/a	114	42.98	n/a	0.002887	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	2.503	n/a	n/a	n/a	n/a	115	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.289	n/a	n/a	n/a	n/a	120	45.83	n/a	0.002122	NP Inter(normality)
Lead (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	115	85.22	n/a	0.002743	NP Inter(NDs)
Lithium (mg/L)	n/a	0.089	n/a	n/a	n/a	n/a	115	47.83	n/a	0.002743	NP Inter(normality)
Mercury (mg/L)	n/a	0.00021	n/a	n/a	n/a	n/a	105	90.48	n/a	0.004581	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.008	n/a	n/a	n/a	n/a	115	66.09	n/a	0.002743	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)

PLANT BRANCH POND E GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.063	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.016	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0034	0.006
Combined Radium, Total (pCi/L)	5		2.5	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.002	0.015
Lithium, Total (mg/L)	n/a	0.04	0.089	0.089
Mercury, Total (mg/L)	0.002		0.00021	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.008	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.002	0.002

**Highlighted cells indicate Background is higher than MCLs*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

Appendix IV Confidence Intervals - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 1:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	**BRGWC-38S**	**0.008852**	**0.007281**	**0.004**	**Yes**	**24**	**0.00154**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BRGWC-33S**	**0.0678**	**0.04373**	**0.006**	**Yes**	**23**	**0.02301**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BRGWC-38S**	**0.2327**	**0.1717**	**0.006**	**Yes**	**23**	**0.05826**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 1:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BRGWC-17S	0.003	0.0009	0.006	No	23	0.0004379	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-36S	0.003	0.0016	0.006	No	23	0.0008932	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-37S	0.003	0.0006	0.006	No	23	0.0007209	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-38S	0.003	0.0009	0.006	No	23	0.0006345	91.3	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-17S	0.005	0.0033	0.01	No	23	0.001515	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-33S	0.00516	0.00262	0.01	No	23	0.001899	60.87	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-35S	0.005	0.0006	0.01	No	23	0.001557	86.96	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-36S	0.005	0.001	0.01	No	23	0.00166	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-37S	0.005	0.003	0.01	No	23	0.001692	78.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-38S	0.005	0.002	0.01	No	23	0.001513	26.09	None	No	0.01	NP (normality)
Arsenic (mg/L)	PZ-13S	0.005	0.00388	0.01	No	9	0.0003733	88.89	None	No	0.002	NP (NDs)
Arsenic (mg/L)	PZ-52D	0.005	0.00368	0.01	No	6	0.0005389	83.33	None	No	0.0155	NP (NDs)
Arsenic (mg/L)	PZ-70I	0.005	0.00366	0.01	No	7	0.0005065	85.71	None	No	0.008	NP (NDs)
Barium (mg/L)	BRGWC-17S	0.04614	0.0407	2	No	23	0.005206	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-33S	0.0357	0.02	2	No	23	0.0114	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-34S	0.03258	0.02572	2	No	23	0.006795	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BRGWC-35S	0.047	0.03	2	No	23	0.01829	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-36S	0.03895	0.02936	2	No	23	0.01037	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BRGWC-37S	0.0256	0.02385	2	No	23	0.001679	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-38S	0.0215	0.015	2	No	23	0.008694	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-13S	0.14	0.0475	2	No	9	0.02918	0	None	No	0.002	NP (normality)
Barium (mg/L)	PZ-52D	0.018	0.01533	2	No	6	0.000973	0	None	No	0.01	Param.
Barium (mg/L)	PZ-53D	0.05466	0.04928	2	No	7	0.002265	0	None	No	0.01	Param.
Barium (mg/L)	PZ-70I	0.0444	0.0196	2	No	7	0.008984	0	None	No	0.008	NP (normality)
Beryllium (mg/L)	BRGWC-33S	0.002033	0.001586	0.004	No	23	0.0004272	4.348	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-34S	0.000294	0.00013	0.004	No	23	0.0001607	26.09	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-35S	0.00021	0.00012	0.004	No	23	0.0001646	26.09	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-36S	0.0005	0.000087	0.004	No	24	0.0002053	41.67	None	No	0.01	NP (normality)
Beryllium (mg/L)	**BRGWC-38S**	**0.008852**	**0.007281**	**0.004**	**Yes**	**24**	**0.00154**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	PZ-13S	0.000478	0.0003229	0.004	No	9	0.00008034	0	None	No	0.01	Param.
Beryllium (mg/L)	PZ-70I	0.0003745	0.0002481	0.004	No	7	0.0000569	14.29	None	x^2	0.01	Param.
Cadmium (mg/L)	BRGWC-33S	0.0005816	0.0003697	0.005	No	23	0.0002026	4.348	None	No	0.01	Param.
Cadmium (mg/L)	BRGWC-34S	0.001	0.00018	0.005	No	23	0.000358	30.43	None	No	0.01	NP (normality)
Cadmium (mg/L)	BRGWC-36S	0.001	0.00011	0.005	No	24	0.0003052	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-38S	0.0005755	0.0004664	0.005	No	23	0.0001044	8.696	None	No	0.01	Param.
Cadmium (mg/L)	PZ-13S	0.001	0.00011	0.005	No	9	0.0002967	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BRGWC-17S	0.01218	0.009796	0.1	No	23	0.002279	0	None	No	0.01	Param.
Chromium (mg/L)	BRGWC-33S	0.01	0.00049	0.1	No	23	0.001983	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-35S	0.006378	0.004779	0.1	No	23	0.001528	4.348	None	No	0.01	Param.
Chromium (mg/L)	BRGWC-36S	0.007973	0.007005	0.1	No	23	0.0009257	0	None	No	0.01	Param.
Chromium (mg/L)	BRGWC-37S	0.01	0.0015	0.1	No	23	0.004308	43.48	None	No	0.01	NP (normality)
Chromium (mg/L)	BRGWC-38S	0.004061	0.0033	0.1	No	23	0.0007278	4.348	None	No	0.01	Param.
Chromium (mg/L)	PZ-13S	0.025	0.0111	0.1	No	9	0.00445	0	None	No	0.002	NP (normality)
Cobalt (mg/L)	**BRGWC-33S**	**0.0678**	**0.04373**	**0.006**	**Yes**	**23**	**0.02301**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BRGWC-34S	0.005137	0.00366	0.006	No	23	0.001533	4.348	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-35S	0.0012	0.0008	0.006	No	23	0.0003451	78.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**BRGWC-38S**	**0.2327**	**0.1717**	**0.006**	**Yes**	**23**	**0.05826**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	PZ-13S	0.001	0.00037	0.006	No	9	0.00021	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	PZ-52D	0.00281	0.000307	0.006	No	8	0.001022	0	None	No	0.004	NP (normality)
Cobalt (mg/L)	PZ-53D	0.0012	0.000372	0.006	No	8	0.0002425	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	PZ-70I	0.0056	0.000481	0.006	No	7	0.001869	0	None	No	0.008	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BRGWC-17S	1.116	0.3786	5	No	23	1.147	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-33S	1.784	0.8204	5	No	23	1.022	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-34S	1.71	0.8747	5	No	23	1.321	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-35S	1.79	0.7654	5	No	23	1.079	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-36S	2.027	0.9237	5	No	23	1.249	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-37S	1.432	0.518	5	No	23	1.158	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-38S	3.699	2.334	5	No	23	1.419	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-13S	3.732	0.7156	5	No	9	1.562	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-52D	5.928	1.419	5	No	6	1.641	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-53D	4.099	2.527	5	No	7	0.6617	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-70I	3.536	0.9784	5	No	7	1.077	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-17S	0.1963	0.101	4	No	24	0.1082	4.167	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-33S	0.2312	0.128	4	No	24	0.1011	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-34S	0.1369	0.08756	4	No	24	0.07052	4.167	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-35S	0.22	0.055	4	No	24	0.09726	12.5	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-36S	0.146	0.05792	4	No	24	0.1027	37.5	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-37S	0.1	0.055	4	No	24	0.0272	33.33	None	No	0.01	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 1:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BRGWC-38S	0.8833	0.6272	4	No	24	0.2509	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-13S	0.1314	0.03955	4	No	9	0.05445	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-52D	2.04	0.14	4	No	8	0.7472	0	None	No	0.004	NP (normality)
Fluoride (mg/L)	PZ-53D	0.273	0.07892	4	No	8	0.09157	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-70I	1.43	0.0577	4	No	7	0.4996	42.86	None	No	0.008	NP (normality)
Lead (mg/L)	BRGWC-17S	0.002	0.0001	0.015	No	23	0.0005541	91.3	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-33S	0.002	0.000088	0.015	No	23	0.0009689	52.17	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-34S	0.002	0.0003	0.015	No	23	0.0006335	86.96	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-35S	0.002	0.0002	0.015	No	23	0.0007249	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-36S	0.002	0.000047	0.015	No	23	0.0004072	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-37S	0.002	0.0001	0.015	No	23	0.0005474	91.3	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-38S	0.002	0.00036	0.015	No	23	0.0008034	39.13	None	No	0.01	NP (normality)
Lead (mg/L)	PZ-13S	0.002	0.00035	0.015	No	9	0.00055	88.89	None	No	0.002	NP (NDs)
Lithium (mg/L)	BRGWC-17S	0.01	0.001	0.089	No	23	0.004244	69.57	None	No	0.01	NP (NDs)
Lithium (mg/L)	BRGWC-33S	0.01039	0.00929	0.089	No	23	0.001055	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-34S	0.01	0.00096	0.089	No	23	0.004101	73.91	None	No	0.01	NP (NDs)
Lithium (mg/L)	BRGWC-35S	0.01	0.0021	0.089	No	23	0.0037	30.43	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-36S	0.01	0.0024	0.089	No	23	0.003677	34.78	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-38S	0.02208	0.01994	0.089	No	23	0.00205	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-13S	0.01	0.001	0.089	No	9	0.003818	77.78	None	No	0.002	NP (NDs)
Lithium (mg/L)	PZ-52D	0.0184	0.0163	0.089	No	6	0.0009402	0	None	No	0.0155	NP (normality)
Lithium (mg/L)	PZ-53D	0.01985	0.0171	0.089	No	7	0.001157	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-70I	0.00615	0.00381	0.089	No	7	0.0008557	0	None	No	0.008	NP (normality)
Mercury (mg/L)	BRGWC-17S	0.0002	0.0001	0.002	No	21	0.00004302	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-33S	0.0002	0.00012	0.002	No	21	0.00004603	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-34S	0.0002	0.00015	0.002	No	21	0.00004732	76.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-35S	0.0002	0.00013	0.002	No	21	0.00003598	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-36S	0.0002	0.00013	0.002	No	21	0.00003709	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-37S	0.0002	0.00014	0.002	No	21	0.00003694	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-38S	0.0001405	0.00009131	0.002	No	21	0.00005086	23.81	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	PZ-70I	0.002416	0.000135	0.002	No	7	0.001037	28.57	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	PZ-52D	0.02054	0.004445	0.1	No	6	0.00586	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-53D	0.00249	0.001624	0.1	No	7	0.0003648	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-70I	0.00142	0.001	0.1	No	7	0.0001587	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	BRGWC-17S	0.00263	0.001973	0.05	No	23	0.001169	17.39	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	BRGWC-33S	0.00572	0.0032	0.05	No	23	0.006977	34.78	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-36S	0.004224	0.00247	0.05	No	23	0.001857	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	BRGWC-38S	0.03731	0.02681	0.05	No	23	0.01005	0	None	No	0.01	Param.
Selenium (mg/L)	PZ-13S	0.003244	0.001962	0.05	No	9	0.0006639	11.11	None	No	0.01	Param.
Selenium (mg/L)	PZ-53D	0.005	0.00188	0.05	No	7	0.001179	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	PZ-70I	0.008859	0.005326	0.05	No	7	0.001487	0	None	No	0.01	Param.
Thallium (mg/L)	BRGWC-17S	0.002	0.000066	0.002	No	23	0.0004033	95.65	None	No	0.01	NP (NDs)
Thallium (mg/L)	BRGWC-33S	0.002	0.00019	0.002	No	23	0.0008994	39.13	None	No	0.01	NP (normality)
Thallium (mg/L)	BRGWC-38S	0.002	0.00021	0.002	No	23	0.0008919	43.48	None	No	0.01	NP (normality)

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/23/2025, 11:17 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	**BRGWC-38S**	**-0.0004843**	**-188**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0000688**	**-91**	**-76**	**Yes**	**23**	**52.17**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002344**	**-169**	**-76**	**Yes**	**23**	**8.696**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.0000821**	**-107**	**-71**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWC-38S**	**-0.02106**	**-215**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

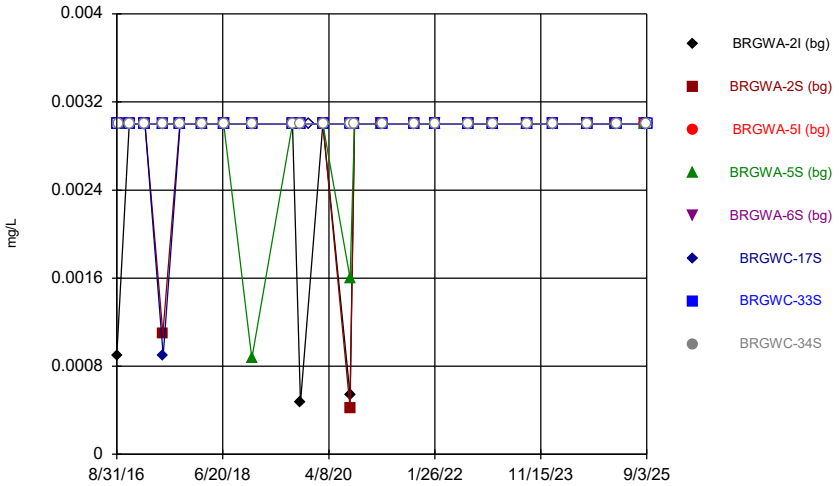
Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/23/2025, 11:17 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	BRGWA-2I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-2S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-6S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	**BRGWC-38S**	**-0.0004843**	**-188**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0000688**	**-91**	**-76**	**Yes**	**23**	**52.17**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002344**	**-169**	**-76**	**Yes**	**23**	**8.696**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.0000821**	**-107**	**-71**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	BRGWA-5S (bg)	0	37	76	No	23	73.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-6S (bg)	0	6	76	No	23	73.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWC-33S	0.001048	16	76	No	23	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWC-38S**	**-0.02106**	**-215**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

FIGURE A.

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Hollow symbols indicate censored values.

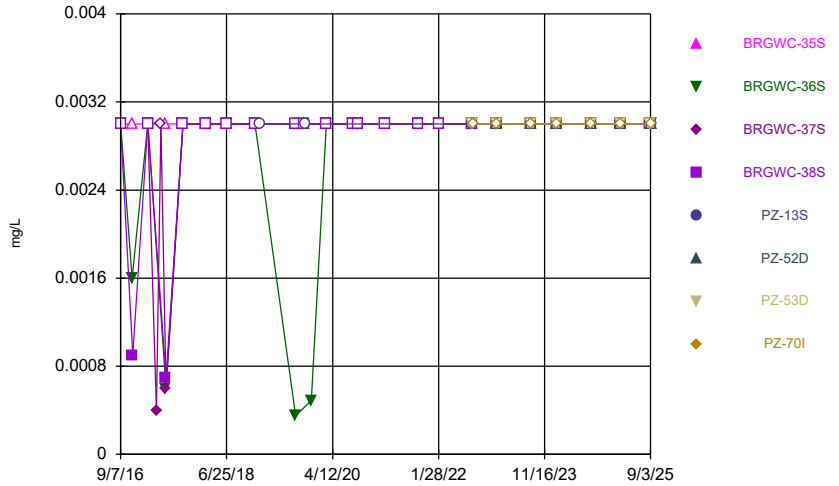
Time Series



Constituent: Antimony Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

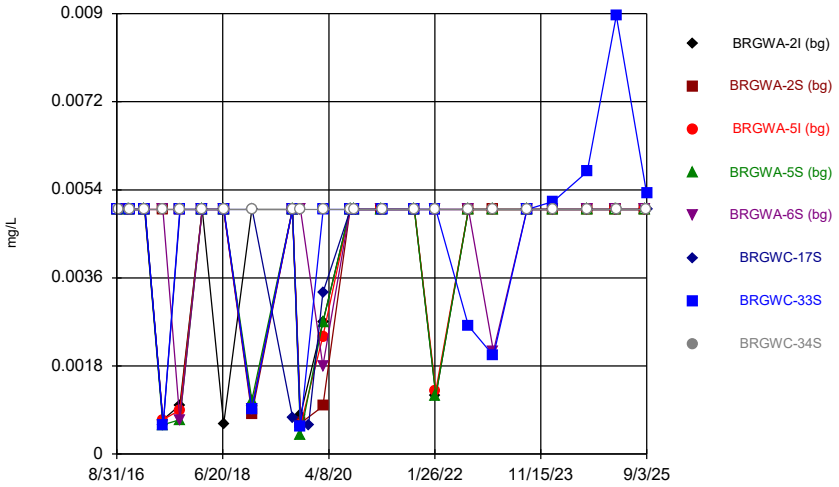
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Constituent: Antimony Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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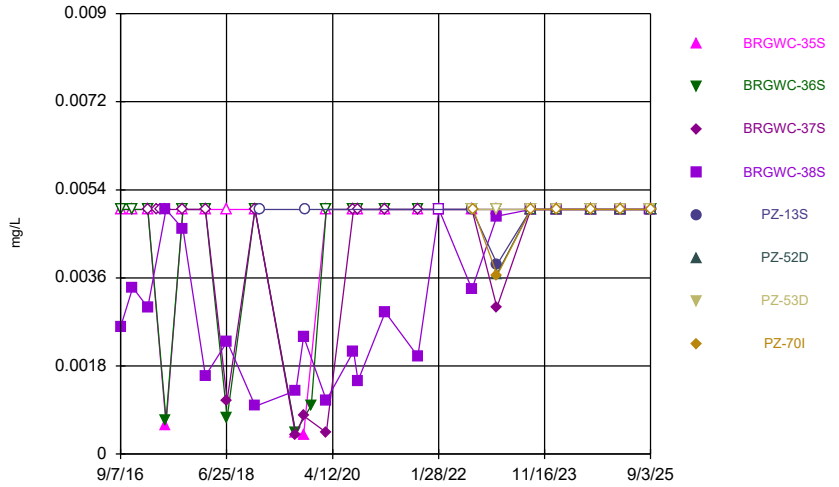
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Constituent: Arsenic Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

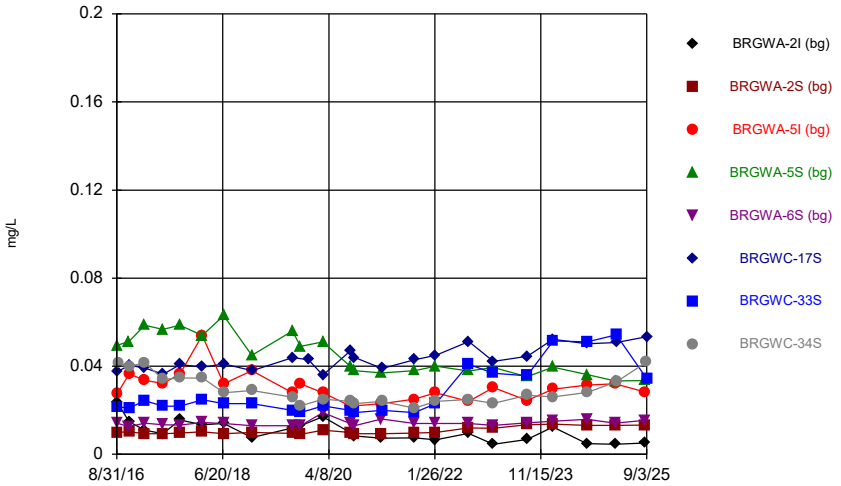
Time Series



Constituent: Arsenic Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Time Series

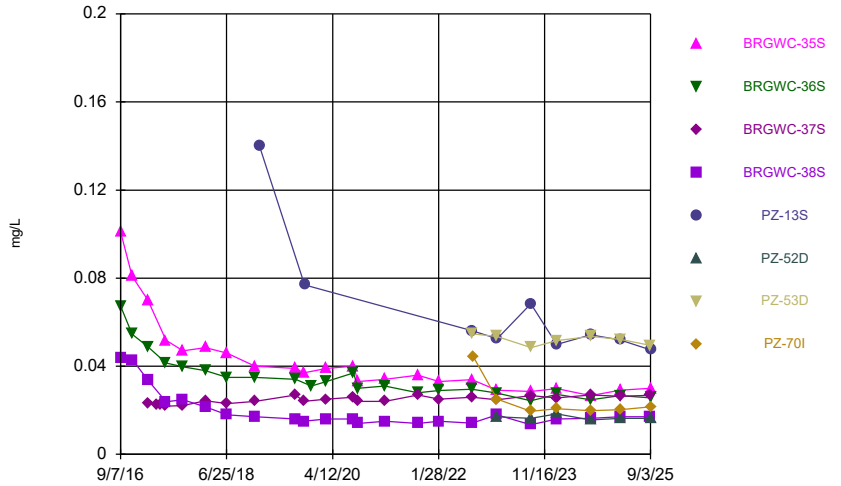


Constituent: Barium Analysis Run 10/22/2025 11:22 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Time Series



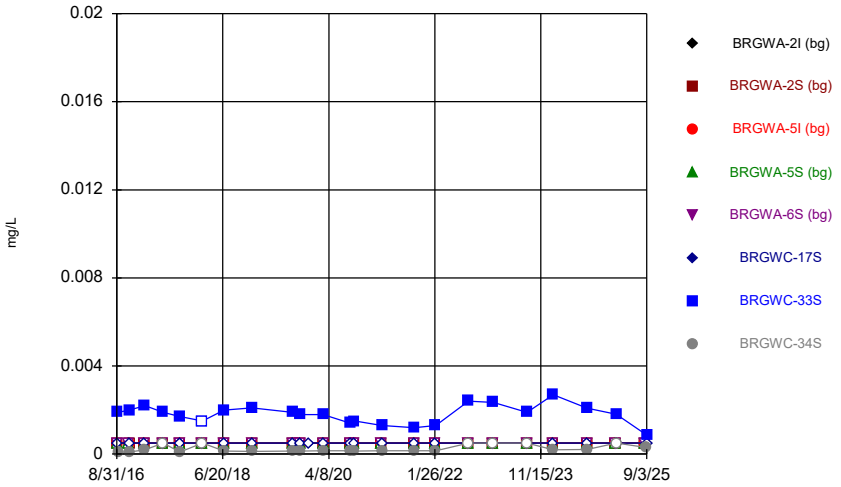
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Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Time Series



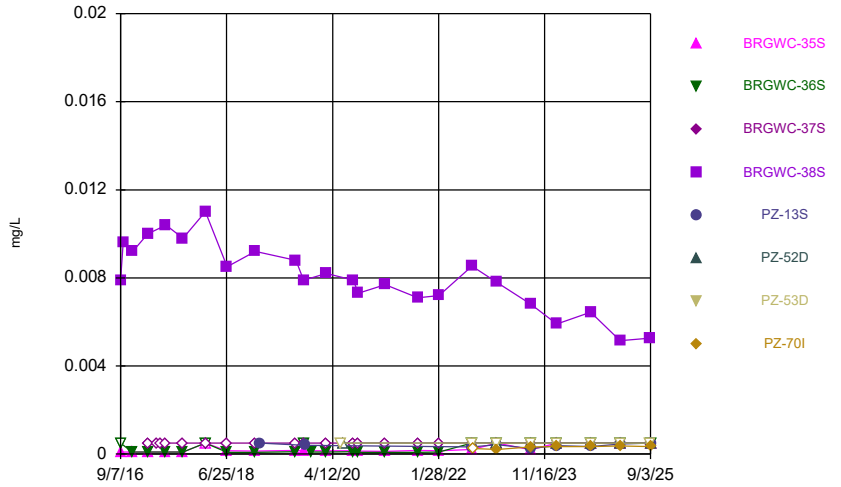
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Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Time Series

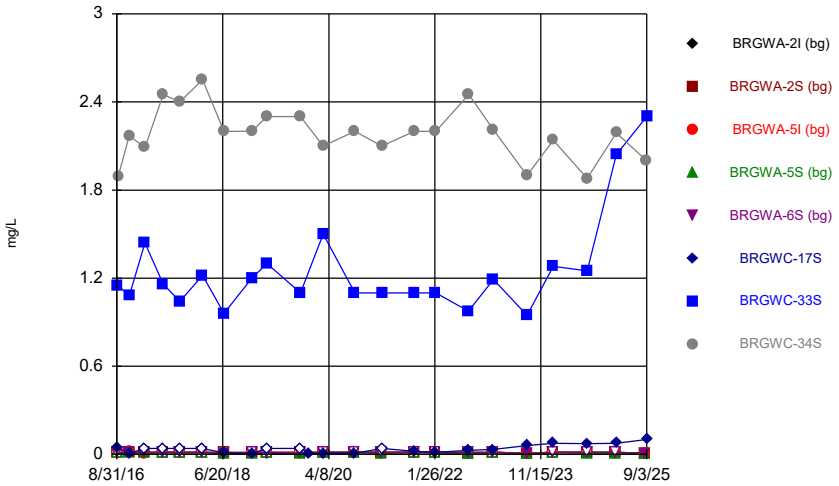


Constituent: Beryllium Analysis Run 10/22/2025 11:22 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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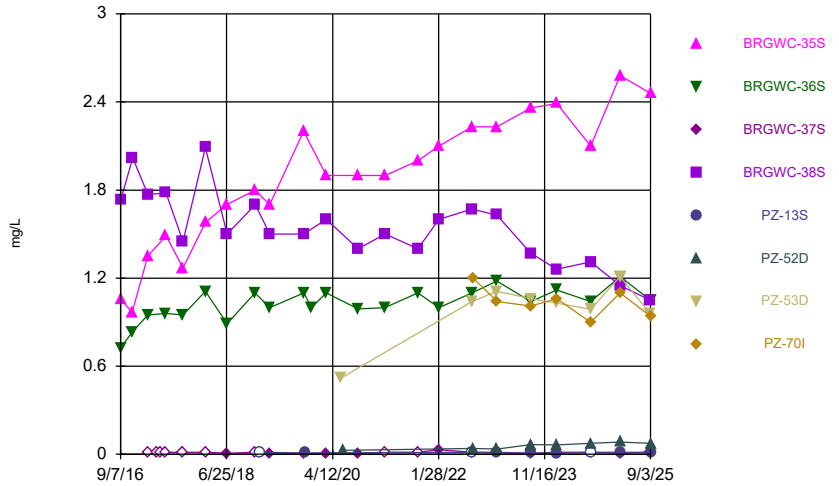
Time Series



Constituent: Boron Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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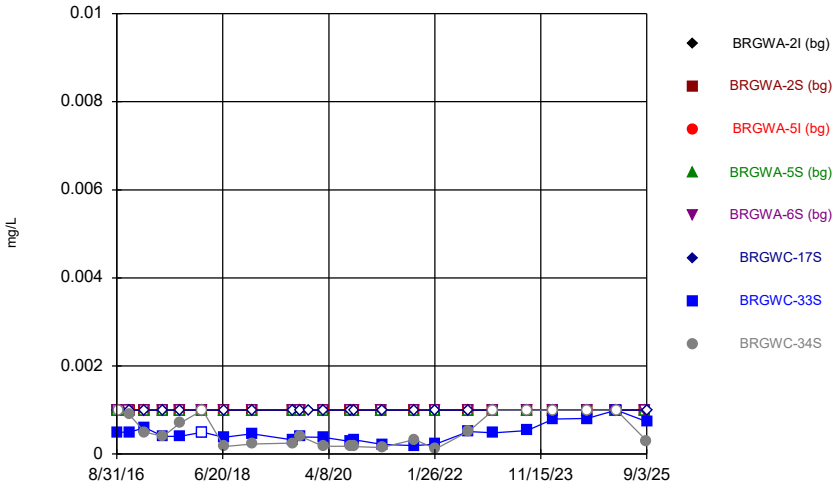
Time Series



Constituent: Boron Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

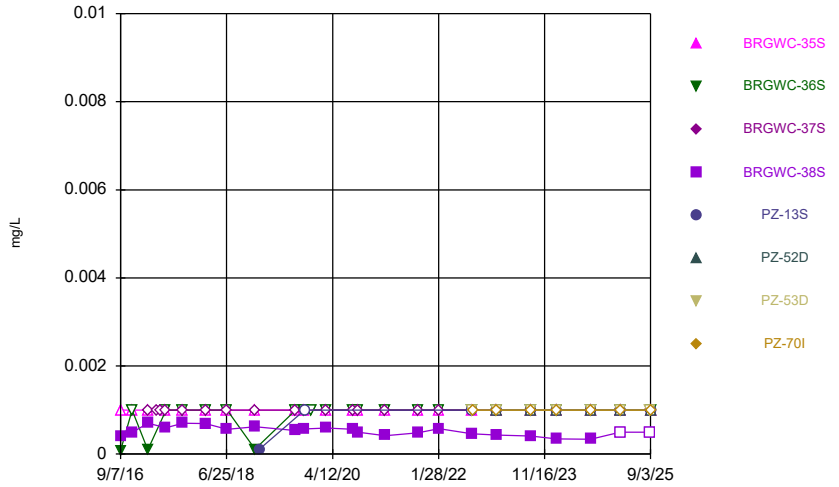
Time Series



Constituent: Cadmium Analysis Run 10/22/2025 11:22 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

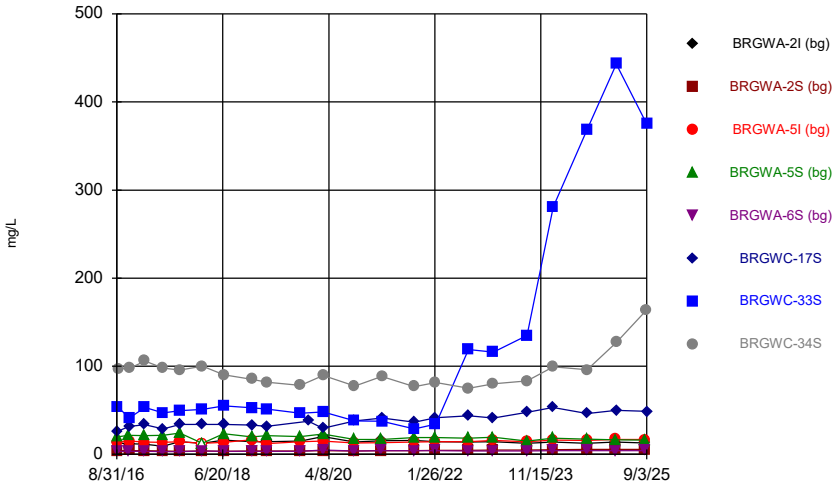
Time Series



Constituent: Cadmium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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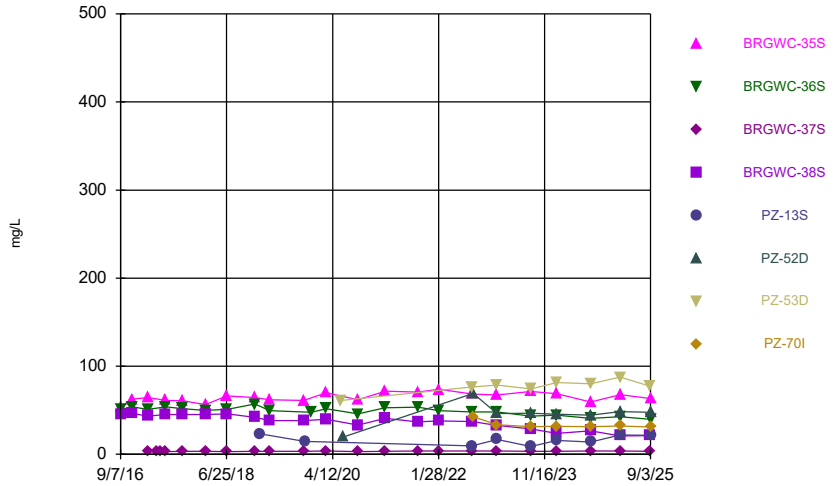
Time Series



Constituent: Calcium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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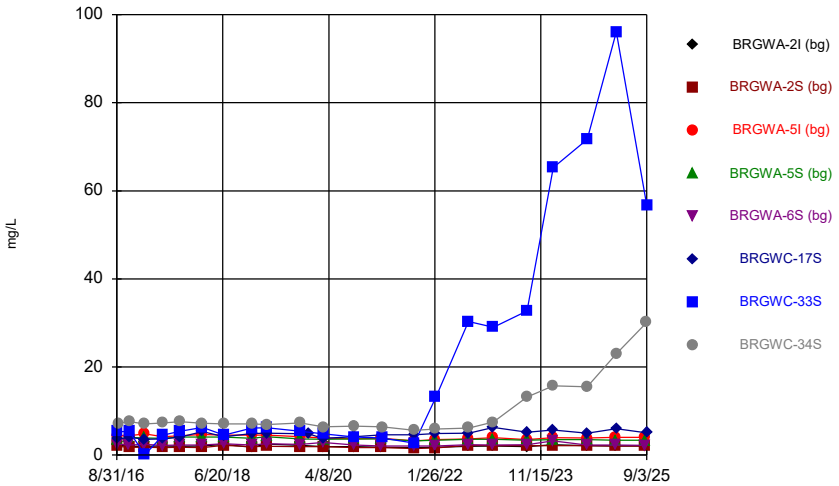
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Constituent: Calcium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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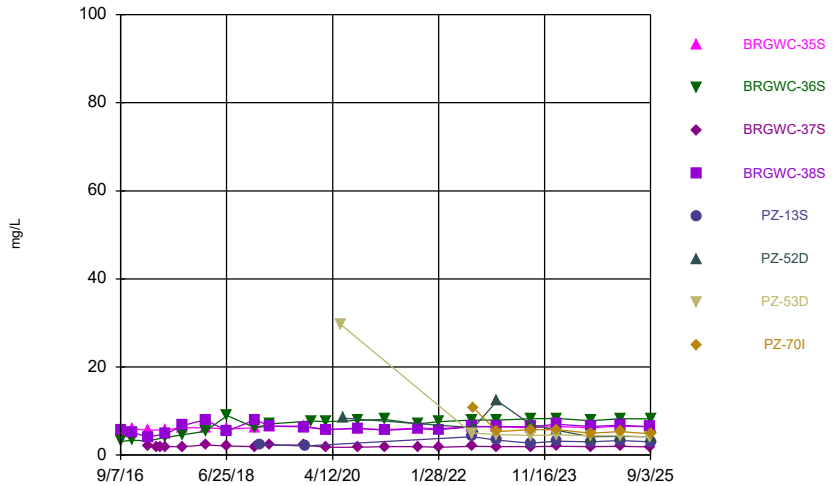
Time Series



Constituent: Chloride Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

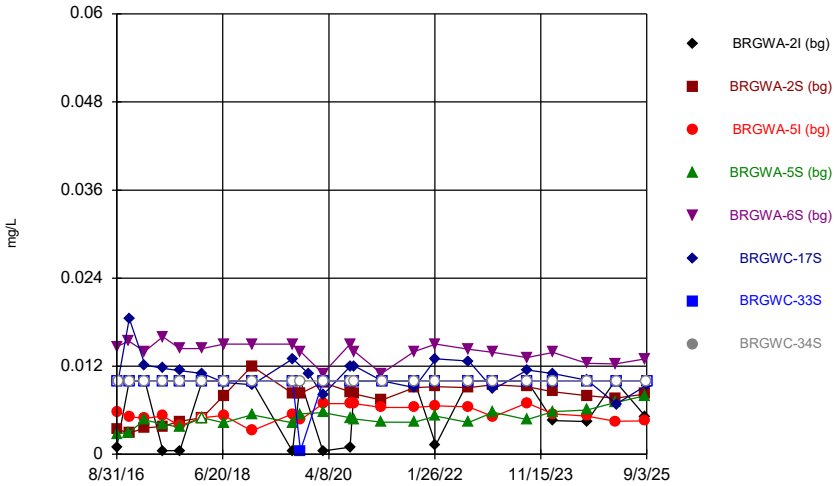
Time Series



Constituent: Chloride Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

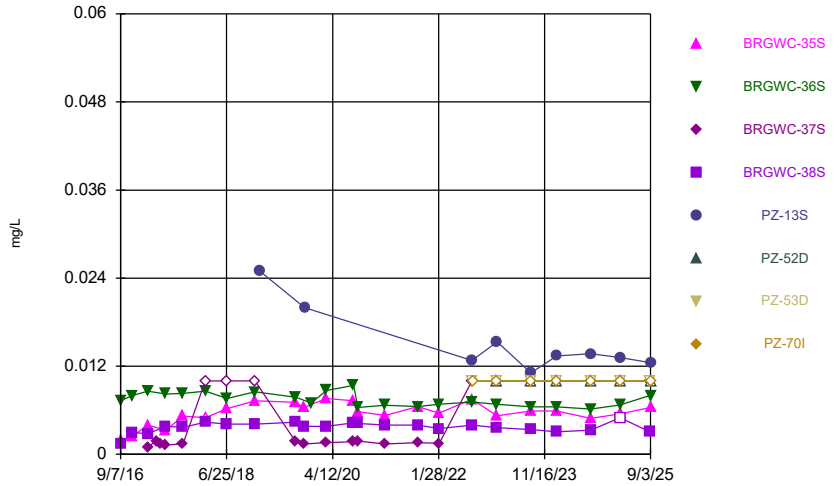
Time Series



Constituent: Chromium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

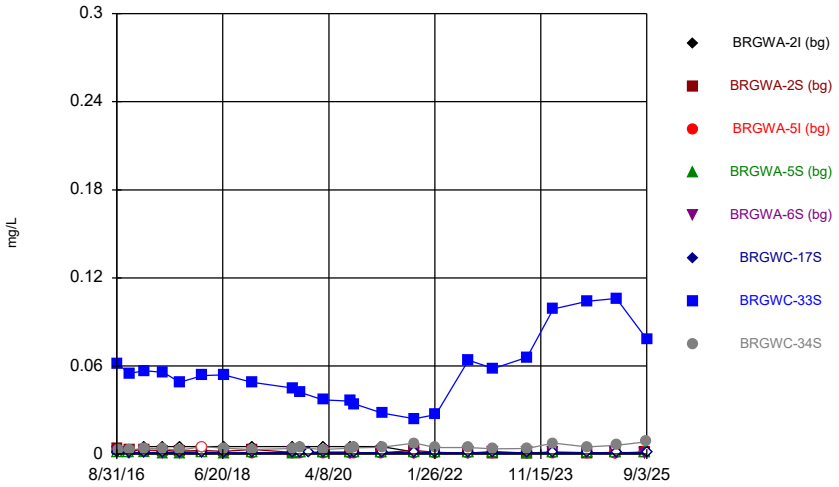
Time Series



Constituent: Chromium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

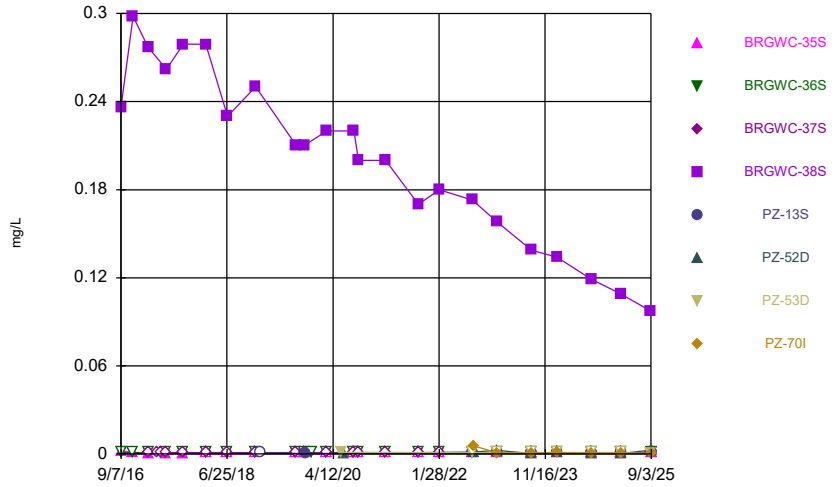
Time Series



Constituent: Cobalt Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

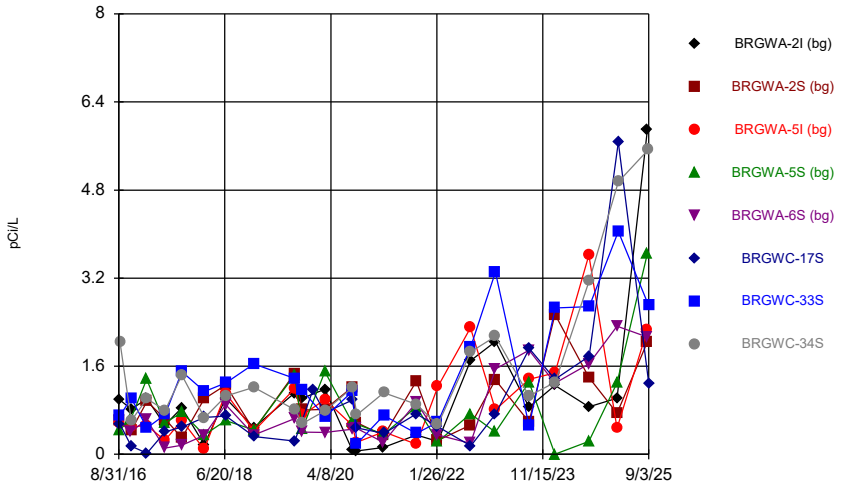
Time Series



Constituent: Cobalt Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

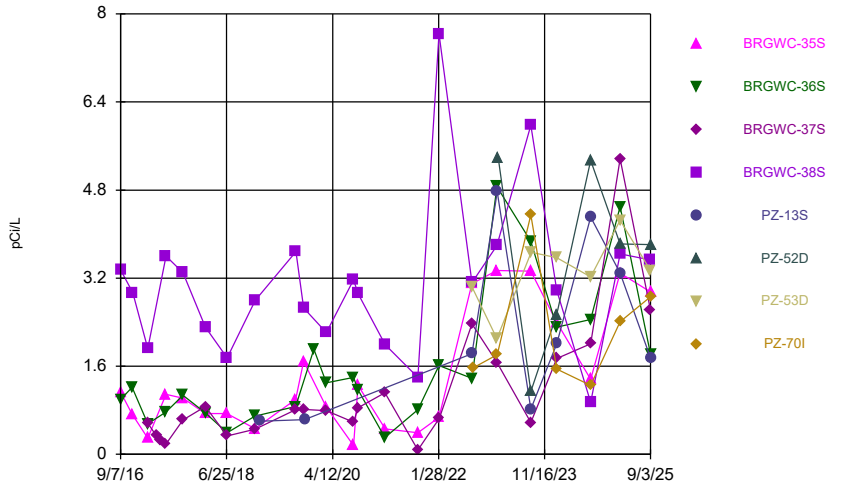


Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

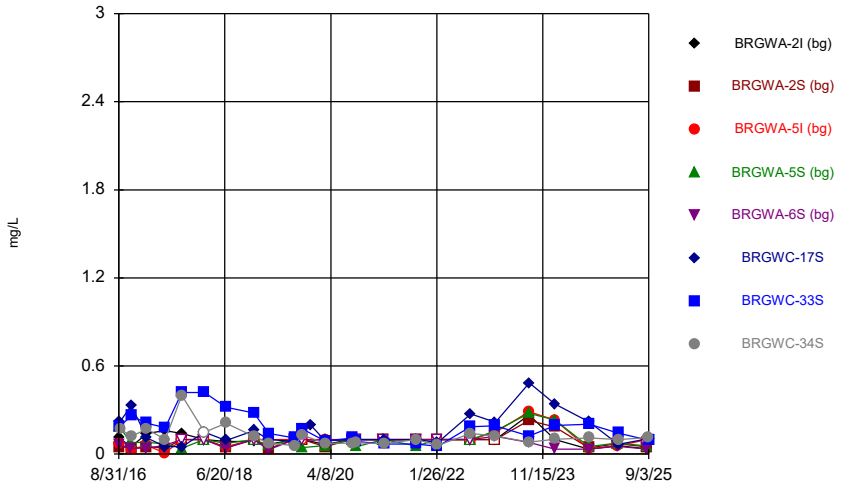


Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

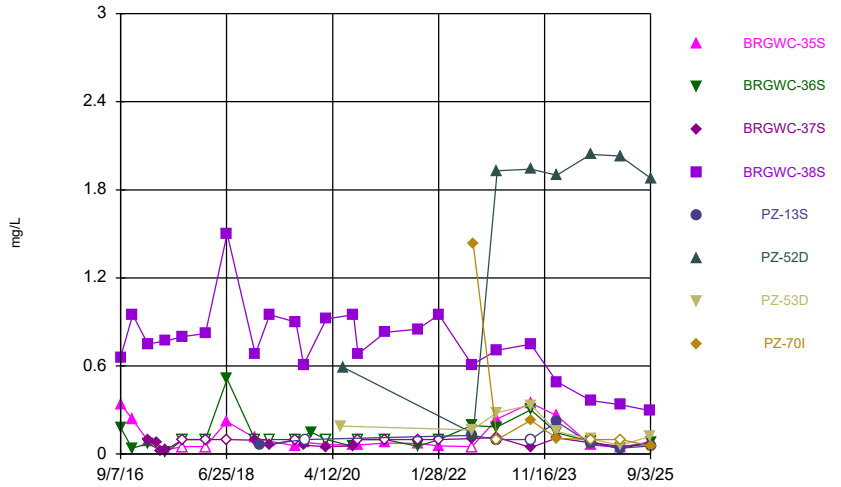


Constituent: Fluoride Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

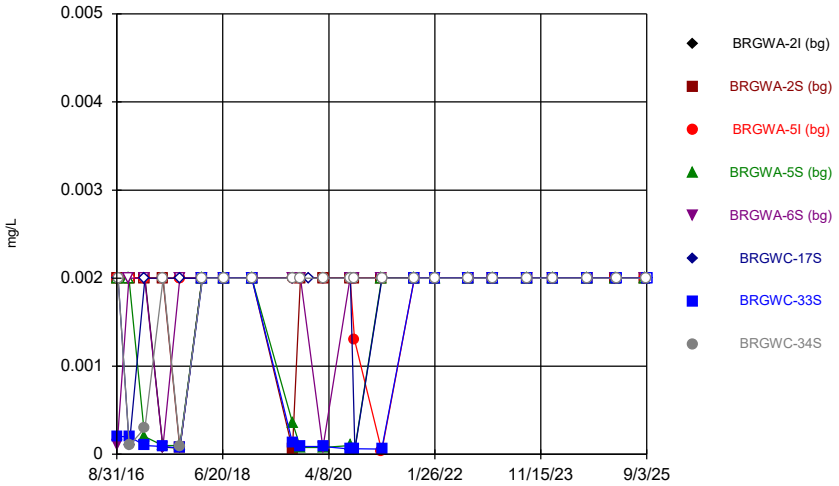


Constituent: Fluoride Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

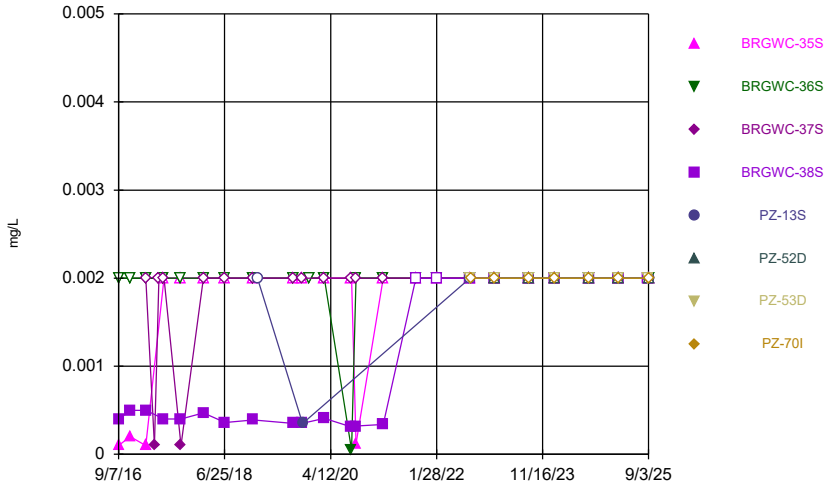
Time Series



Constituent: Lead Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

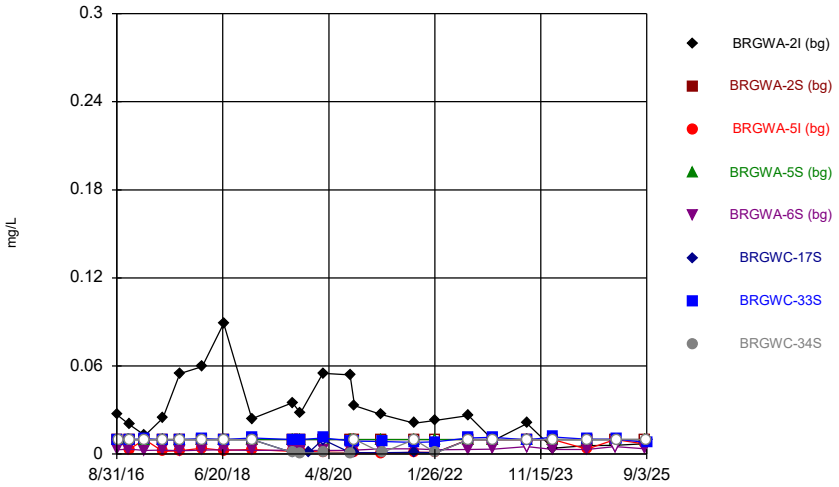
Time Series



Constituent: Lead Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

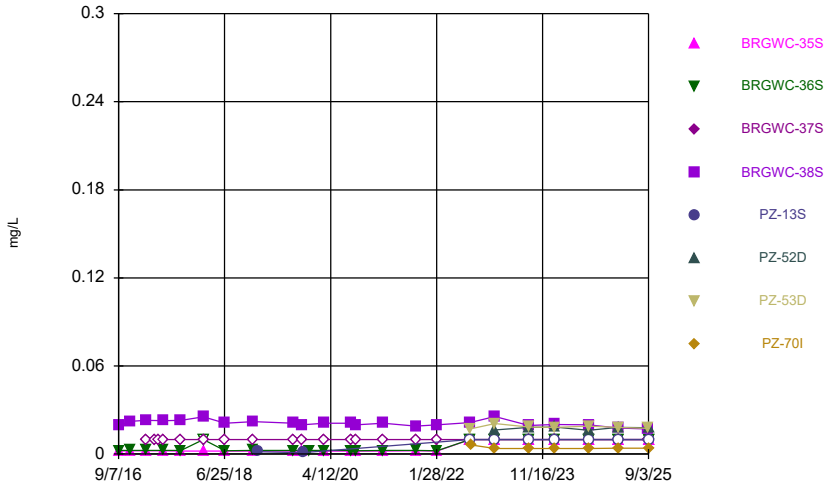
Time Series



Constituent: Lithium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

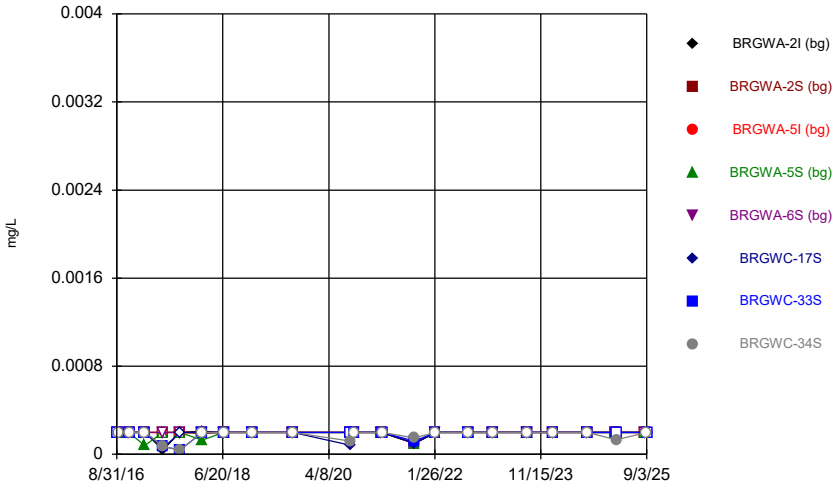
Time Series



Constituent: Lithium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

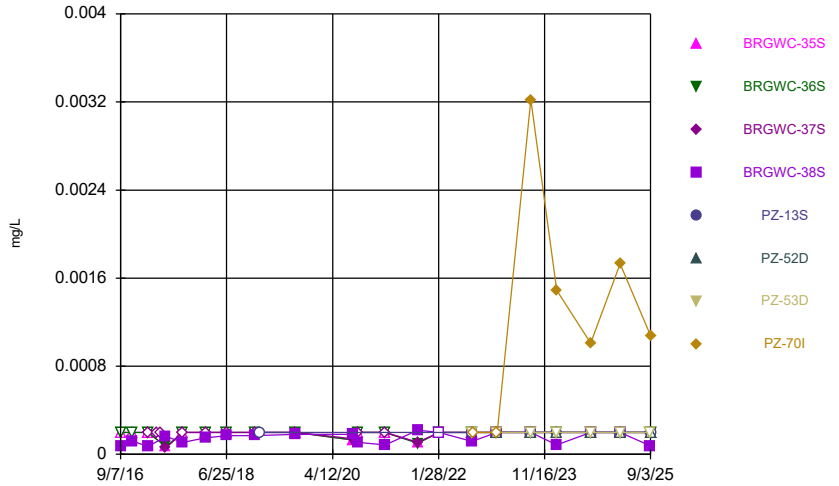
Time Series



Constituent: Mercury Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

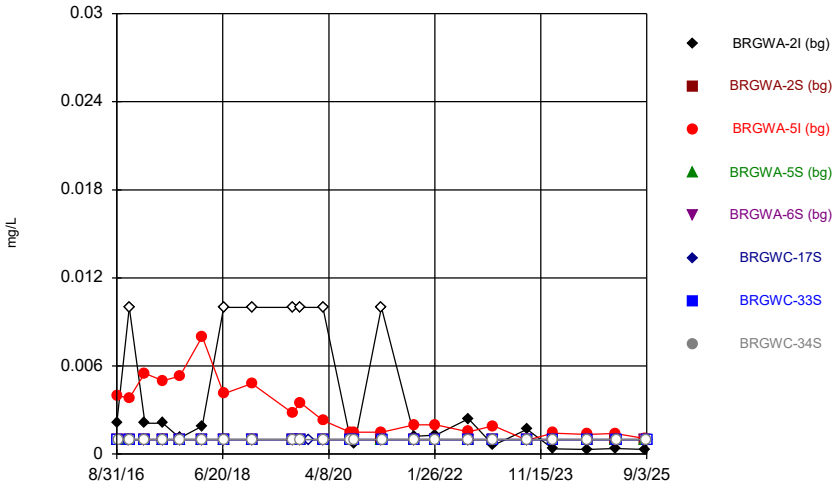
Time Series



Constituent: Mercury Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

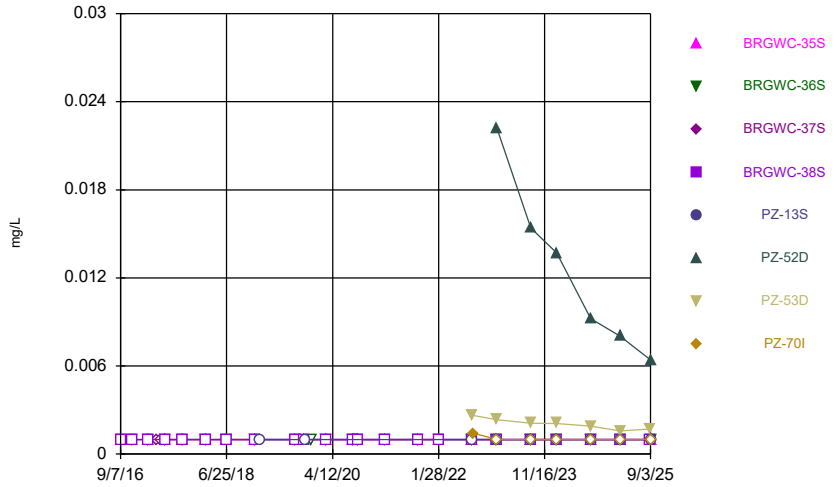
Time Series



Constituent: Molybdenum Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

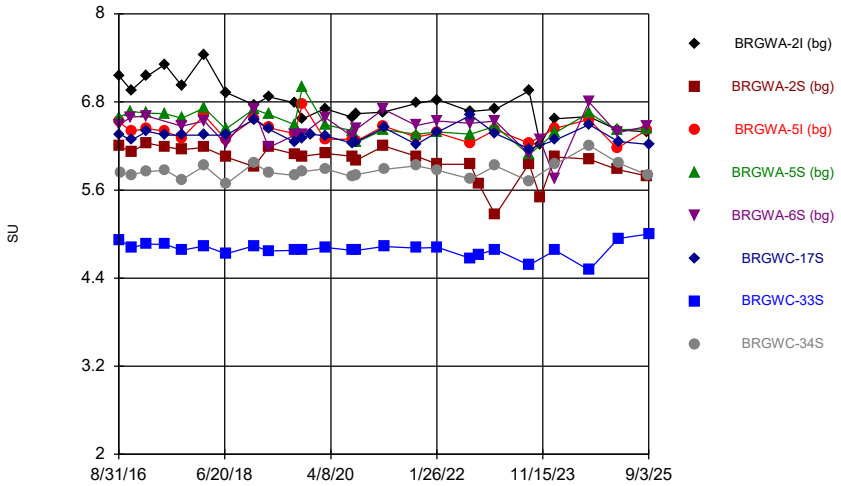
Time Series



Constituent: Molybdenum Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series

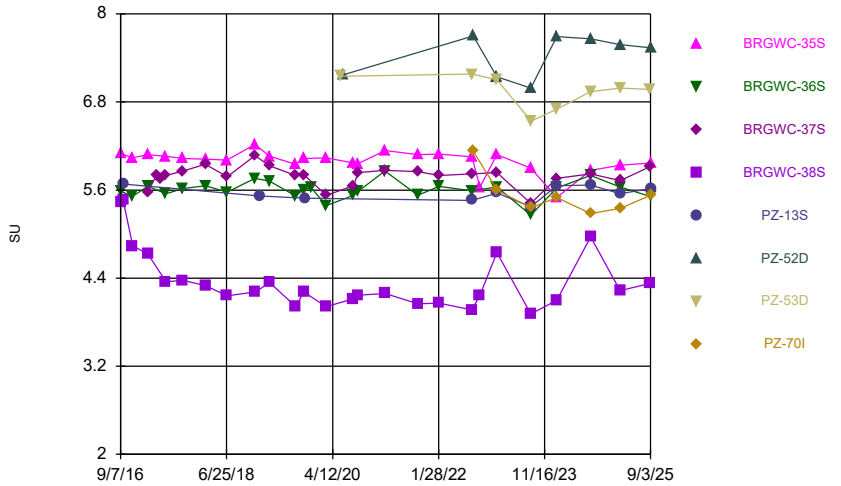


Constituent: pH, Field Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Time Series



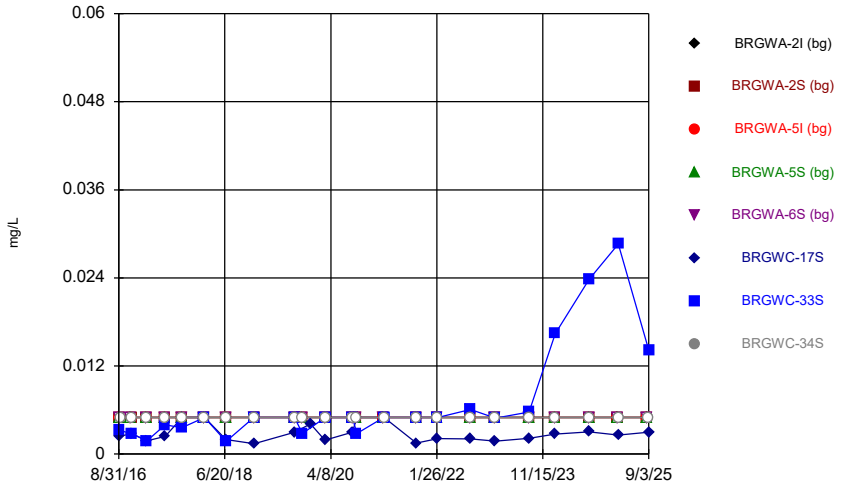
Constituent: pH, Field Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



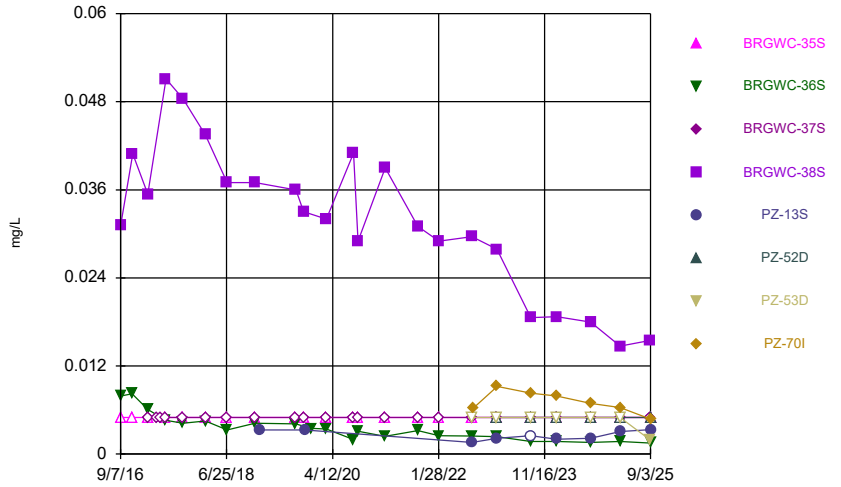
Constituent: Selenium Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

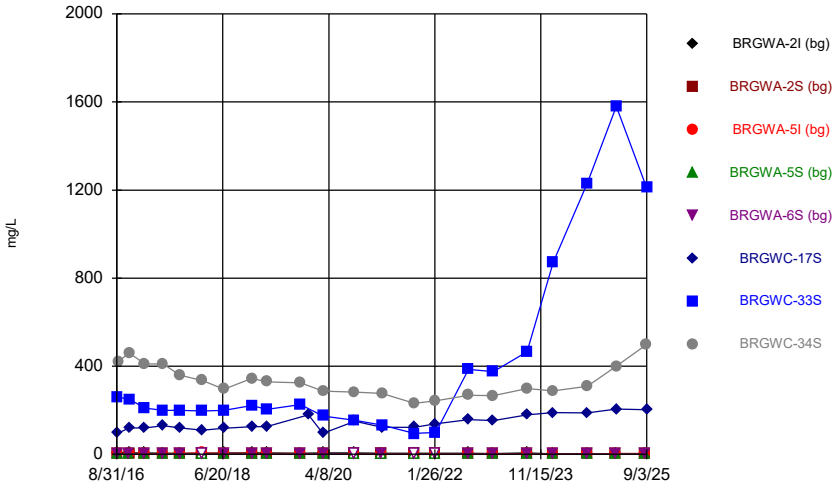


Constituent: Selenium Analysis Run 10/22/2025 11:23 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

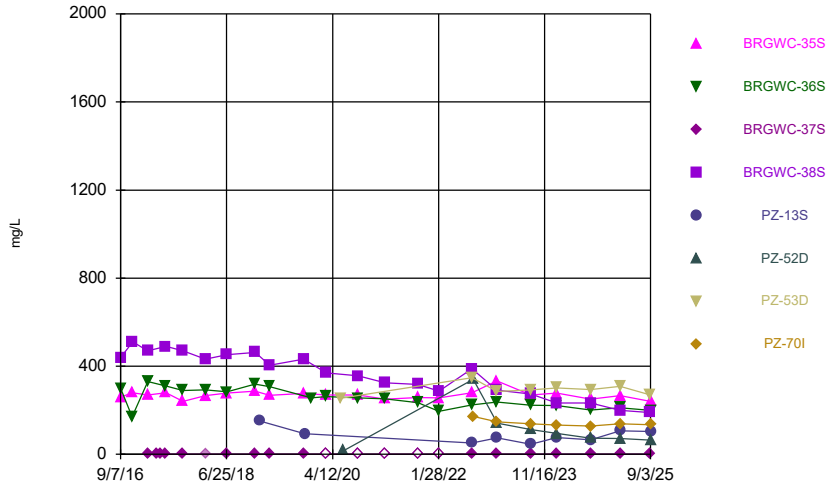
Time Series



Constituent: Sulfate Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

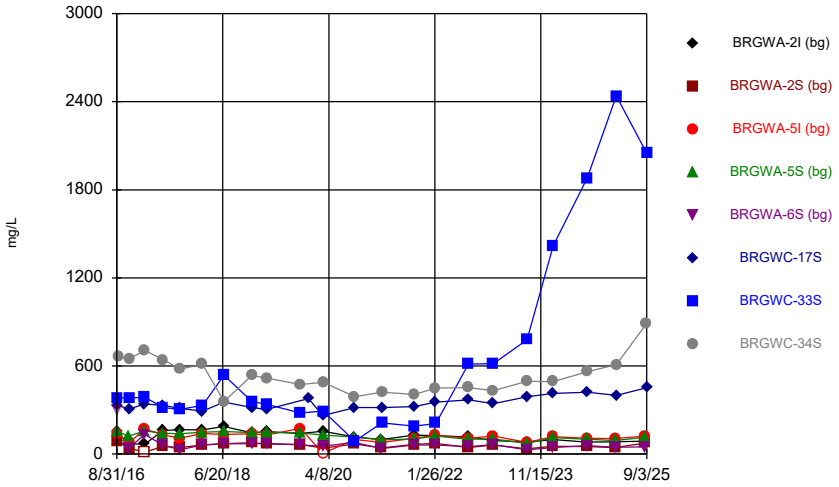
Time Series



Constituent: Sulfate Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

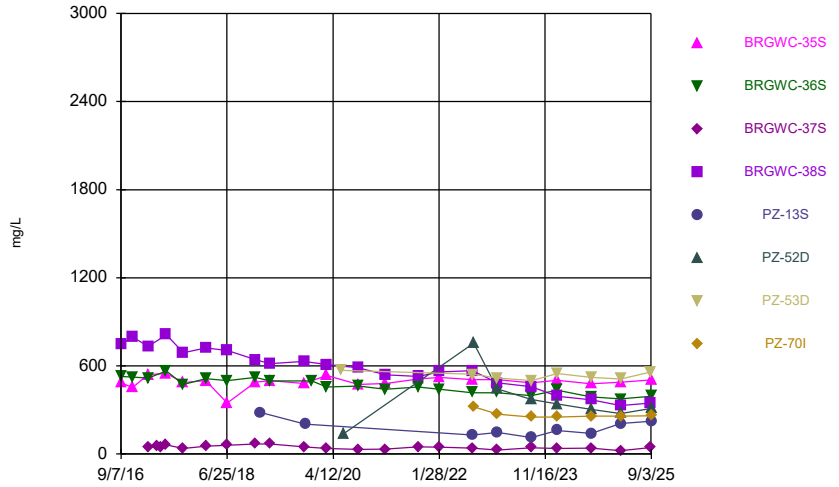
Time Series



Constituent: TDS Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

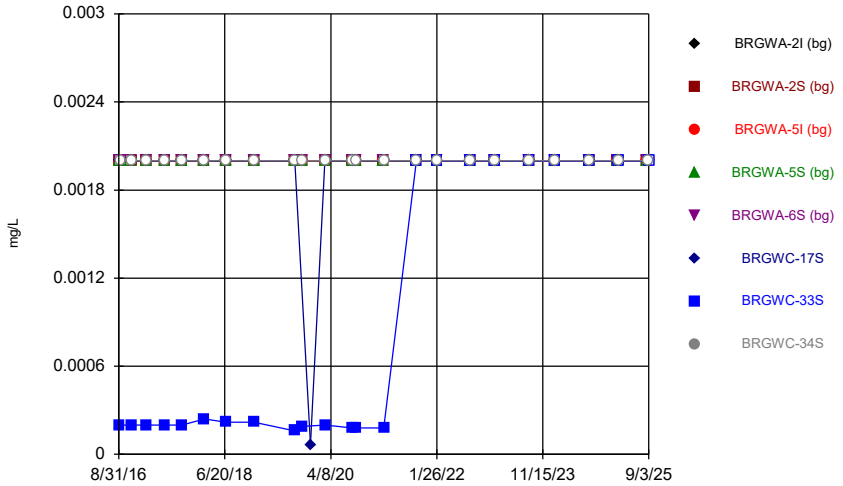
Time Series



Constituent: TDS Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

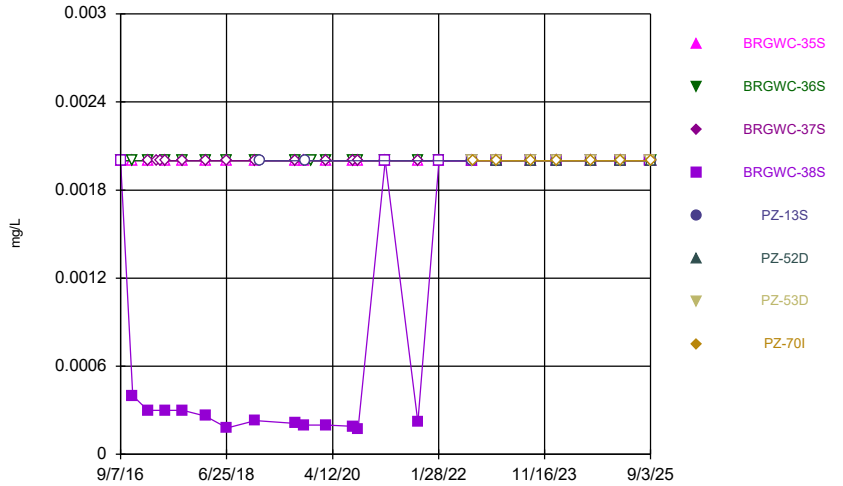
Time Series



Constituent: Thallium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 10/22/2025 11:23 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.0009 (J)	<0.003	<0.003	<0.003				
9/1/2016					<0.003			
9/7/2016						<0.003	<0.003	
9/8/2016								<0.003
11/15/2016				<0.003	<0.003			
11/16/2016	<0.003	<0.003	<0.003					
11/17/2016						<0.003	<0.003	<0.003
2/20/2017			<0.003	<0.003	<0.003			
2/21/2017	<0.003	<0.003						
2/22/2017						<0.003	<0.003	<0.003
6/12/2017	<0.003		<0.003	<0.003	<0.003			
6/13/2017		0.0011 (J)						
6/14/2017							<0.003	<0.003
6/15/2017						0.0009 (J)		
9/26/2017	<0.003	<0.003	<0.003	<0.003	<0.003			
9/27/2017							<0.003	<0.003
9/28/2017						<0.003		
2/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003			
2/15/2018						<0.003	<0.003	<0.003
6/26/2018	<0.003	<0.003	<0.003	<0.003	<0.003			
6/27/2018						<0.003	<0.003	<0.003
12/18/2018	<0.003	<0.003	<0.003	0.00087 (J)	<0.003		<0.003	<0.003
12/19/2018						<0.003		
8/27/2019	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
8/28/2019						<0.003		<0.003
10/15/2019	0.00047 (J)	<0.003	<0.003	<0.003	<0.003			
10/16/2019							<0.003	<0.003
12/3/2019						<0.003		
3/3/2020	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		
3/5/2020							<0.003	<0.003
8/18/2020	0.00054 (J)	0.00042 (J)	<0.003	0.0016 (J)	<0.003			
8/19/2020						<0.003	<0.003	<0.003
9/15/2020	<0.003	<0.003	<0.003	<0.003	<0.003			
9/16/2020						<0.003	<0.003	<0.003
3/1/2021	<0.003				<0.003			
3/2/2021		<0.003	<0.003	<0.003				
3/3/2021							<0.003	<0.003
3/4/2021						<0.003		
9/21/2021			<0.003	<0.003				
9/22/2021	<0.003	<0.003			<0.003	<0.003	<0.003	<0.003
2/1/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/23/2022	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
8/24/2022						<0.003		<0.003
1/24/2023	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/22/2023	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
8/23/2023						<0.003		
1/30/2024	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		
1/31/2024							<0.003	<0.003
8/27/2024	<0.003	<0.003	<0.003	<0.003	<0.003			
8/28/2024						<0.003	<0.003	<0.003
2/18/2025	<0.003	<0.003	<0.003	<0.003	<0.003			
2/26/2025						<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	<0.003	<0.003	<0.003	<0.003	<0.003			
9/2/2025								<0.003
9/3/2025						<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.003	<0.003		<0.003				
11/17/2016	<0.003							
11/18/2016		0.0016 (J)						
11/21/2016				0.0009 (J)				
2/22/2017	<0.003							
2/23/2017		<0.003	<0.003	<0.003				
4/17/2017			0.0004 (J)					
5/15/2017			<0.003					
6/15/2017	<0.003	0.0006 (J)	0.0006 (J)	0.0007 (J)				
9/28/2017	<0.003	<0.003	<0.003	<0.003				
2/15/2018	<0.003	<0.003	<0.003	<0.003				
6/27/2018	<0.003							
6/28/2018		<0.003	<0.003	<0.003				
12/19/2018	<0.003	<0.003	<0.003					
12/20/2018				<0.003				
1/15/2019					<0.003			
8/28/2019	<0.003	0.00035 (J)	<0.003					
8/29/2019				<0.003				
10/16/2019	<0.003		<0.003	<0.003				
10/22/2019					<0.003			
12/3/2019		0.00049 (J)						
3/5/2020	<0.003	<0.003	<0.003	<0.003				
8/19/2020	<0.003	<0.003	<0.003	<0.003				
9/16/2020	<0.003	<0.003	<0.003					
9/17/2020				<0.003				
3/3/2021		<0.003	<0.003					
3/4/2021	<0.003			<0.003				
9/22/2021		<0.003						
9/23/2021	<0.003		<0.003	<0.003				
2/1/2022	<0.003	<0.003		<0.003				
2/2/2022			<0.003					
8/23/2022			<0.003	<0.003	<0.003		<0.003	
8/24/2022	<0.003	<0.003						
9/1/2022								<0.003
1/24/2023	<0.003							
1/25/2023		<0.003	<0.003	<0.003		<0.003	<0.003	
1/26/2023					<0.003			<0.003
8/22/2023			<0.003		<0.003			
8/23/2023	<0.003	<0.003		<0.003		<0.003		<0.003
8/24/2023							<0.003	
1/30/2024	<0.003				<0.003			
1/31/2024		<0.003	<0.003	<0.003		<0.003	<0.003	<0.003
8/27/2024			<0.003	<0.003	<0.003		<0.003	
8/28/2024	<0.003	<0.003				<0.003		<0.003
2/26/2025	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/2/2025			<0.003	<0.003			<0.003	
9/3/2025	<0.003	<0.003			<0.003	<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.005	<0.005	<0.005	<0.005				
9/1/2016					<0.005			
9/7/2016						<0.005	<0.005	
9/8/2016								<0.005
11/15/2016				<0.005	<0.005			
11/16/2016	<0.005	<0.005	<0.005					
11/17/2016						<0.005	<0.005	<0.005
2/20/2017			<0.005	<0.005	<0.005			
2/21/2017	<0.005	<0.005						
2/22/2017						<0.005	<0.005	<0.005
6/12/2017	0.0007 (J)		0.0007 (J)	0.0006 (J)	<0.005			
6/13/2017		<0.005						
6/14/2017							0.0006 (J)	<0.005
6/15/2017						0.0006 (J)		
9/26/2017	0.001 (J)	<0.005	0.0009 (J)	0.0007 (J)	0.0007 (J)			
9/27/2017							<0.005	<0.005
9/28/2017						<0.005		
2/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005			
2/15/2018						<0.005	<0.005	<0.005
6/26/2018	0.00062 (J)	<0.005	<0.005	<0.005	<0.005			
6/27/2018						<0.005	<0.005	<0.005
12/18/2018	<0.005	0.00082 (J)	0.00097 (J)	0.0011 (J)	0.00092 (J)		0.00091 (J)	<0.005
12/19/2018						<0.005		
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
8/28/2019						0.00073 (J)		<0.005
10/15/2019	0.0008 (J)	0.00063 (J)	0.00058 (J)	0.00039 (J)	<0.005			
10/16/2019							0.00056 (J)	<0.005
12/3/2019						0.00058 (J)		
3/3/2020	0.0027 (J)	0.00098 (J)	0.0024 (J)	0.0027 (J)	0.0018 (J)	0.0033 (J)		
3/5/2020							<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005			
8/19/2020						<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005			
9/16/2020						<0.005	<0.005	<0.005
3/1/2021	<0.005				<0.005			
3/2/2021		<0.005	<0.005	<0.005				
3/3/2021							<0.005	<0.005
3/4/2021						<0.005		
9/21/2021			<0.005	<0.005				
9/22/2021	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
2/1/2022	0.0012 (J)	<0.005	0.0013 (J)	0.0012 (J)	<0.005	<0.005	<0.005	<0.005
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005		0.00262 (J)	
8/24/2022						<0.005		<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	0.0021 (J)	<0.005	0.00201 (J)	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
8/23/2023						<0.005		
1/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
1/31/2024							0.00516	<0.005
8/27/2024	<0.005	<0.005	<0.005	<0.005	<0.005			
8/28/2024						<0.005	0.00577	<0.005
2/18/2025	<0.005	<0.005	<0.005	<0.005	<0.005			
2/26/2025						<0.005	0.00896	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005			
9/2/2025								<0.005
9/3/2025						<0.005	0.00532	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.005	<0.005		0.0026 (J)				
11/17/2016	<0.005							
11/18/2016		<0.005						
11/21/2016				0.0034 (J)				
2/22/2017	<0.005							
2/23/2017		<0.005	<0.005	0.003 (J)				
4/17/2017			<0.005					
5/15/2017			<0.005					
6/15/2017	0.0006 (J)	0.0007 (J)	<0.005	0.005 (J)				
9/28/2017	<0.005	<0.005	<0.005	0.0046 (J)				
2/15/2018	<0.005	<0.005	<0.005	0.0016 (J)				
6/27/2018	<0.005							
6/28/2018		0.00074 (J)	0.0011 (J)	0.0023 (J)				
12/19/2018	<0.005	<0.005	<0.005					
12/20/2018				0.00098 (J)				
1/15/2019					<0.005			
8/28/2019	0.00044 (J)	0.00045 (J)	0.00038 (J)					
8/29/2019				0.0013 (J)				
10/16/2019	0.0004 (J)		0.00078 (J)	0.0024 (J)				
10/22/2019					<0.005			
12/3/2019		0.001 (J)						
3/5/2020	<0.005	<0.005	0.00044 (J)	0.0011 (J)				
8/19/2020	<0.005	<0.005	<0.005	0.0021 (J)				
9/16/2020	<0.005	<0.005	<0.005					
9/17/2020				0.0015 (J)				
3/3/2021		<0.005	<0.005					
3/4/2021	<0.005			0.0029 (J)				
9/22/2021		<0.005						
9/23/2021	<0.005		<0.005	0.002 (J)				
2/1/2022	<0.005	<0.005		<0.005				
2/2/2022			<0.005					
8/23/2022			<0.005	0.00337 (J)	<0.005		<0.005	
8/24/2022	<0.005	<0.005						
9/1/2022								<0.005
1/24/2023	<0.005							
1/25/2023		<0.005	0.003 (J)	0.00486 (J)		0.00368 (J)	<0.005	
1/26/2023					0.00388 (J)			0.00366 (J)
8/22/2023			<0.005		<0.005			
8/23/2023	<0.005	<0.005		<0.005		<0.005		<0.005
8/24/2023							<0.005	
1/30/2024	<0.005				<0.005			
1/31/2024		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
8/27/2024			<0.005	<0.005	<0.005		<0.005	
8/28/2024	<0.005	<0.005				<0.005		<0.005
2/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/2/2025			<0.005	<0.005			<0.005	
9/3/2025	<0.005	<0.005			<0.005	<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.0239	0.0099 (J)	0.0273	0.0495				
9/1/2016					0.0142			
9/7/2016						0.0377	0.0214	
9/8/2016								0.0415
11/15/2016				0.0512	0.0126			
11/16/2016	0.0147	0.0102	0.0365					
11/17/2016						0.0405	0.0211	0.04
2/20/2017			0.0336	0.0586	0.0142			
2/21/2017	0.0109	0.0094 (J)						
2/22/2017						0.0392	0.0243	0.0415
6/12/2017	0.0094 (J)		0.0322	0.0567	0.0134			
6/13/2017		0.0094 (J)						
6/14/2017							0.0218	0.0341
6/15/2017						0.0364		
9/26/2017	0.0156	0.0096 (J)	0.0364	0.0586	0.0133			
9/27/2017							0.0219	0.0347
9/28/2017						0.0408		
2/13/2018	0.0134	0.0102	0.054	0.054	0.0145			
2/15/2018						0.0396	0.0248	0.0346
6/26/2018	0.014	0.0093 (J)	0.032	0.063	0.014			
6/27/2018						0.041	0.023	0.028
12/18/2018	0.0076 (J)	0.01	0.038	0.045	0.013		0.023	0.029
12/19/2018						0.038		
8/27/2019	0.012	0.0095 (J)	0.028	0.056	0.013		0.02	
8/28/2019						0.044		0.026
10/15/2019	0.013	0.0091 (J)	0.032	0.049	0.013			
10/16/2019							0.019	0.022
12/3/2019						0.043		
3/3/2020	0.017	0.011	0.028	0.051	0.019	0.036		
3/5/2020							0.022	0.025
8/18/2020	0.01 (J)	0.01	0.022	0.04	0.014			
8/19/2020						0.047	0.02	0.024
9/15/2020	0.0083 (J)	0.0094 (J)	0.022	0.038	0.013			
9/16/2020						0.044	0.019	0.023
3/1/2021	0.0074				0.016			
3/2/2021		0.0094	0.023	0.037				
3/3/2021							0.02	0.024
3/4/2021						0.039		
9/21/2021			0.025	0.038				
9/22/2021	0.0075	0.0097			0.014	0.043	0.019	0.021
2/1/2022	0.0066	0.01	0.028	0.04	0.014	0.045	0.023	0.024
8/23/2022	0.00954	0.012	0.0241	0.0379	0.014		0.0409	
8/24/2022						0.0512		0.0249
1/24/2023	0.00453	0.0118	0.0303	0.0394	0.0132	0.0422	0.0368	0.0232
8/22/2023	0.0068	0.0135	0.0245	0.0352	0.0143		0.0357	0.0268
8/23/2023						0.0445		
1/30/2024	0.0124	0.0137	0.0296	0.0396	0.0151	0.0522		
1/31/2024							0.0515	0.0261
8/27/2024	0.00493	0.0132	0.0314	0.0362	0.0159			
8/28/2024						0.0502	0.0511	0.0281
2/18/2025	0.00462	0.0131	0.032	0.0334	0.0142			
2/26/2025						0.0508	0.0543	0.0329

Time Series

Constituent: Barium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	0.00508	0.0133	0.0282	0.0335	0.0155			
9/2/2025								0.0419
9/3/2025						0.0534	0.0344	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.101	0.0674		0.044				
11/17/2016	0.0808							
11/18/2016		0.0546						
11/21/2016				0.0428 (J)				
2/22/2017	0.0701							
2/23/2017		0.0489	0.0229	0.0338				
4/17/2017			0.0227					
5/15/2017			0.0227					
6/15/2017	0.0518	0.0415	0.0218	0.0239				
9/28/2017	0.047	0.0397	0.0222	0.0247				
2/15/2018	0.0485	0.038	0.0243	0.0215				
6/27/2018	0.046							
6/28/2018		0.035	0.023	0.018				
12/19/2018	0.04	0.035	0.024					
12/20/2018				0.017				
1/15/2019					0.14			
8/28/2019	0.039	0.034	0.027					
8/29/2019				0.016				
10/16/2019	0.037		0.024	0.015				
10/22/2019					0.077			
12/3/2019		0.031						
3/5/2020	0.039	0.033	0.025	0.016				
8/19/2020	0.04	0.037	0.026	0.016				
9/16/2020	0.033	0.03	0.024					
9/17/2020				0.014				
3/3/2021		0.031	0.024					
3/4/2021	0.034			0.015				
9/22/2021		0.028						
9/23/2021	0.036		0.027	0.014				
2/1/2022	0.033	0.029		0.015				
2/2/2022			0.025					
8/23/2022			0.026	0.0141	0.0562		0.0547	
8/24/2022	0.0339	0.0296						
9/1/2022								0.0444
1/24/2023	0.0291							
1/25/2023		0.0278	0.0247	0.018		0.0171	0.0536	
1/26/2023					0.0525			0.025
8/22/2023			0.0266		0.0683			
8/23/2023	0.0286	0.0243		0.0134		0.0163		0.0196
8/24/2023							0.0485	
1/30/2024	0.0299				0.0499			
1/31/2024		0.0273	0.0256	0.016		0.0184	0.0517	0.0207
8/27/2024			0.027	0.0164	0.0543		0.0535	
8/28/2024	0.0267	0.0247				0.0156		0.0198
2/26/2025	0.0291	0.0267	0.0264	0.017	0.052	0.0163	0.0523	0.0202
9/2/2025			0.0268	0.017			0.0495	
9/3/2025	0.03	0.0257			0.0475	0.0163		0.0215

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.0005	<0.0005	<0.0005	<0.0005				
9/1/2016					<0.0005			
9/7/2016						<0.0005	0.0019 (J)	
9/8/2016								0.0001 (J)
11/15/2016				<0.0005	<0.0005			
11/16/2016	<0.0005	<0.0005	<0.0005					
11/17/2016						<0.0005	0.002 (J)	0.0001 (J)
2/20/2017			<0.0005	<0.0005	<0.0005			
2/21/2017	<0.0005	<0.0005						
2/22/2017						<0.0005	0.0022 (J)	0.0002 (J)
6/12/2017	<0.0005		<0.0005	<0.0005	<0.0005			
6/13/2017		<0.0005						
6/14/2017							0.0019 (J)	<0.0005
6/15/2017						<0.0005		
9/26/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/27/2017							0.0017 (J)	0.0001 (J)
9/28/2017						<0.0005		
2/13/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/15/2018						<0.0005	<0.003	<0.0005
6/26/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
6/27/2018						<0.0005	0.002 (J)	0.00013 (J)
12/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		0.0021 (J)	0.00012 (J)
12/19/2018						<0.0005		
8/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		0.0019 (J)	
8/28/2019						<0.0005		0.00014 (J)
10/15/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
10/16/2019							0.0018 (J)	0.00014 (J)
10/17/2019						<0.0005		
12/3/2019						<0.0005		
3/3/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
3/5/2020							0.0018 (J)	0.00015 (J)
8/18/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/19/2020						<0.0005	0.0014 (J)	0.00015 (J)
9/15/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/16/2020						<0.0005	0.0015 (J)	0.00014 (J)
3/1/2021	<0.0005				<0.0005			
3/2/2021		<0.0005	<0.0005	<0.0005				
3/3/2021							0.0013	0.00015 (J)
3/4/2021						<0.0005		
9/21/2021			<0.0005	<0.0005				
9/22/2021	<0.0005	<0.0005			<0.0005	<0.0005	0.0012	0.00015 (J)
2/1/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	0.00015 (J)
8/23/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		0.00241	
8/24/2022						<0.0005		<0.0005
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00235	<0.0005
8/22/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		0.0019	<0.0005
8/23/2023						<0.0005		
1/30/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2024							0.00269	0.000202 (J)
8/27/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/28/2024						<0.0005	0.00209	0.000205 (J)
2/18/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
2/26/2025						<0.0005	0.00181	<0.0005
8/26/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/2/2025								0.000294 (J)
9/3/2025						<0.0005	0.000859	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	9E-05 (J)	<0.0005		0.0079				
9/23/2016				0.0096				
11/17/2016	0.0001 (J)							
11/18/2016		0.0001 (J)						
11/21/2016				0.0092				
2/22/2017	0.0001 (J)							
2/23/2017		0.0001 (J)	<0.0005	0.01				
4/17/2017			<0.0005					
5/15/2017			<0.0005					
6/15/2017	0.0001 (J)	9E-05 (J)	<0.0005	0.0104				
9/28/2017	0.0001 (J)	0.0001 (J)	<0.0005	0.0098				
2/15/2018	<0.0005	<0.0005	<0.0005	0.011 (J)				
6/27/2018	0.00015 (J)							
6/28/2018		8.1E-05 (J)	<0.0005	0.0085				
12/19/2018	0.00014 (J)	8.6E-05 (J)	<0.0005					
12/20/2018				0.0092				
1/15/2019					0.0005 (J)			
8/28/2019	0.00016 (J)	0.00011 (J)	<0.0005					
8/29/2019				0.0088				
10/16/2019	0.00015 (J)		<0.0005	0.0079				
10/17/2019		<0.0005						
10/22/2019					0.0004 (J)			
12/3/2019		9.7E-05 (J)						
3/5/2020	0.00015 (J)	9.2E-05 (J)	<0.0005	0.0082				
6/4/2020							<0.0005	
6/19/2020						<0.0005		
8/19/2020	0.00015 (J)	0.00011 (J)	<0.0005	0.0079				
9/16/2020	0.00014 (J)	8E-05 (J)	<0.0005					
9/17/2020				0.0073				
3/3/2021		7.9E-05 (J)	<0.0005					
3/4/2021	0.00012 (J)			0.0077				
9/22/2021		8.4E-05 (J)						
9/23/2021	0.00016 (J)		<0.0005	0.0071				
2/1/2022	0.00015 (J)	8.7E-05 (J)		0.0072				
2/2/2022			<0.0005					
8/23/2022			<0.0005	0.00854	0.000331 (J)		<0.0005	
8/24/2022	0.00021 (J)	<0.0005						
9/1/2022								<0.0005
1/24/2023	<0.0005							
1/25/2023		<0.0005	<0.0005	0.0078		<0.0005	<0.0005	
1/26/2023					0.000422 (J)			0.000217 (J)
8/22/2023			<0.0005		0.000259 (J)			
8/23/2023	0.0002 (J)	<0.0005		0.0068		<0.0005		0.000325 (J)
8/24/2023							<0.0005	
1/30/2024	<0.0005				0.000388 (J)			
1/31/2024		<0.0005	<0.0005	0.00591		<0.0005	<0.0005	0.00034 (J)
8/27/2024			<0.0005	0.00644	0.000346 (J)		<0.0005	
8/28/2024	<0.0005	<0.0005				<0.0005		0.000344 (J)
2/26/2025	<0.0005	<0.0005	<0.0005	0.00515	0.000457 (J)	<0.0005	<0.0005	0.00037 (J)
9/2/2025			<0.0005	0.00526			<0.0005	
9/3/2025	<0.0005	<0.0005			0.000501	<0.0005		0.000347 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.0072 (J)	<0.015	<0.015	<0.015				
9/1/2016					<0.015			
9/7/2016						0.0449 (J)	1.15	
9/8/2016								1.89
11/15/2016				0.0085 (J)	0.0123 (J)			
11/16/2016	0.0117 (J)	0.0109 (J)	0.0187 (J)					
11/17/2016						0.0067 (J)	1.08	2.17
2/20/2017			0.0066 (J)	0.0093 (J)	0.0157 (J)			
2/21/2017	0.0088 (J)	<0.015						
2/22/2017						<0.04	1.44	2.09
6/12/2017	0.0133 (J)		<0.015	<0.015	<0.015			
6/13/2017		<0.015						
6/14/2017							1.16	2.45
6/15/2017						<0.04		
9/26/2017	0.0093 (J)	<0.015	<0.015	<0.015	<0.015			
9/27/2017							1.04	2.4
9/28/2017						<0.04		
2/13/2018	0.0141 (J)	<0.015	<0.015	<0.015	<0.015			
2/15/2018						<0.04	1.22	2.55
6/26/2018	0.012 (J)	<0.015	0.0042 (J)	0.0056 (J)	0.0041 (J)			
6/27/2018						0.0088 (J)	0.96	2.2
12/18/2018	0.0086 (J)	<0.015	<0.015	0.0062 (J)	<0.015		1.2	2.2
12/19/2018						0.0045 (J)		
3/19/2019	0.0055 (J)	<0.015	<0.015	<0.015	<0.015	<0.04		
3/20/2019							1.3	2.3
10/15/2019	0.0067 (J)	<0.015	<0.015	0.006 (J)	0.01 (J)			
10/16/2019							1.1	2.3
10/17/2019						<0.04		
12/3/2019						0.0063 (J)		
3/3/2020	0.0082 (J)	<0.015	<0.015	<0.015	<0.015	0.0075 (J)		
3/5/2020							1.5	2.1
9/15/2020	<0.015	<0.015	<0.015	<0.015	<0.015			
9/16/2020						0.0066 (J)	1.1	2.2
3/1/2021	<0.015				<0.015			
3/2/2021		<0.015	0.0053 (J)	0.0071 (J)				
3/3/2021							1.1	2.1
3/4/2021						<0.04		
9/21/2021			<0.015	<0.015				
9/22/2021	<0.015	<0.015			<0.015	0.02 (J)	1.1	2.2
2/1/2022	<0.015	<0.015	<0.015	<0.015	<0.015	0.013 (J)	1.1	2.2
8/23/2022	0.00592 (J)	0.00532 (J)	<0.015	0.00538 (J)	<0.015		0.975	
8/24/2022						0.0273		2.45
1/24/2023	<0.015	<0.015	<0.015	<0.015	<0.015	0.0326	1.19	2.21
8/22/2023	0.00649 (J)	0.00738 (J)	0.0073 (J)	0.00764 (J)	0.00611 (J)		0.946	1.9
8/23/2023						0.0601		
1/30/2024	<0.015	<0.015	<0.015	<0.015	<0.015	0.0758		
1/31/2024							1.28	2.14
8/27/2024	<0.015	<0.015	<0.015	0.00538 (J)	<0.015			
8/28/2024						0.0721	1.25	1.88
2/18/2025	<0.015	<0.015	0.00591 (J)	0.00548 (J)	<0.015			
2/26/2025						0.0756	2.04	2.19
8/26/2025	0.00739 (J)	0.00735 (J)	0.007 (J)	0.00822 (J)	0.00675 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
9/2/2025								2
9/3/2025						0.101	2.3	

Time Series

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	1.06	0.725		1.73				
11/17/2016	0.967							
11/18/2016		0.831						
11/21/2016				2.02				
2/22/2017	1.35							
2/23/2017		0.949	<0.015	1.77				
4/17/2017			<0.015					
5/15/2017			<0.015					
6/15/2017	1.49	0.961	<0.015	1.78				
9/28/2017	1.27	0.948	<0.015	1.45				
2/15/2018	1.58	1.11	<0.015	2.09				
6/27/2018	1.7							
6/28/2018		0.89	0.0067 (J)	1.5				
12/19/2018	1.8	1.1	<0.015					
12/20/2018				1.7				
1/15/2019					<0.015			
3/19/2019		1						
3/20/2019	1.7		0.004 (J)	1.5				
10/16/2019	2.2		0.0055 (J)	1.5				
10/17/2019		1.1						
10/22/2019					0.0098 (J)			
12/3/2019		1						
3/5/2020	1.9	1.1	0.0076 (J)	1.6				
6/4/2020							0.52	
6/19/2020						0.028 (J)		
9/16/2020	1.9	0.99	0.0062 (J)					
9/17/2020				1.4				
3/3/2021		1	<0.015					
3/4/2021	1.9			1.5				
9/22/2021		1.1						
9/23/2021	2		<0.015	1.4				
2/1/2022	2.1	1		1.6				
2/2/2022			0.032 (J)					
8/23/2022			<0.015	1.67	<0.015		1.04	
8/24/2022	2.23	1.1						
9/1/2022						0.0403		1.2
1/24/2023	2.23							
1/25/2023		1.18	<0.015	1.63		0.0362	1.11	
1/26/2023					0.0104 (J)			1.04
8/22/2023			0.00802 (J)		0.00855 (J)			
8/23/2023	2.36	1.04		1.37		0.0668		1.01
8/24/2023							1.06	
1/30/2024	2.39				0.00656 (J)			
1/31/2024		1.12	<0.015	1.26		0.0633	1.03	1.06
8/27/2024			<0.015	1.31	<0.015		0.989	
8/28/2024	2.1	1.04				0.0751		0.898
2/26/2025	2.58	1.21	0.00753 (J)	1.15	0.014 (J)	0.0842	1.21	1.1
9/2/2025			<0.015	1.05			0.956	
9/3/2025	2.46	1.05			0.0144 (J)	0.075		0.94

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.001	<0.001	<0.001	<0.001				
9/1/2016					<0.001			
9/7/2016						<0.001	0.0005 (J)	
9/8/2016								<0.001
11/15/2016				<0.001	<0.001			
11/16/2016	<0.001	<0.001	<0.001					
11/17/2016						<0.001	0.0005 (J)	0.0009 (J)
2/20/2017			<0.001	<0.001	<0.001			
2/21/2017	<0.001	<0.001						
2/22/2017						<0.001	0.0006 (J)	0.0005 (J)
6/12/2017	<0.001		<0.001	<0.001	<0.001			
6/13/2017		<0.001						
6/14/2017							0.0004 (J)	0.0004 (J)
6/15/2017						<0.001		
9/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001			
9/27/2017							0.0004 (J)	0.0007 (J)
9/28/2017						<0.001		
2/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001			
2/15/2018						<0.001	<0.001	<0.001
6/26/2018	<0.001	<0.001	<0.001	<0.001	<0.001			
6/27/2018						<0.001	0.00038 (J)	0.00017 (J)
12/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001		0.00046 (J)	0.00023 (J)
12/19/2018						<0.001		
8/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001		0.00032 (J)	
8/28/2019						<0.001		0.00025 (J)
10/15/2019	<0.001	<0.001	<0.001	<0.001	<0.001			
10/16/2019							0.00039 (J)	0.0004 (J)
10/17/2019						<0.001		
12/3/2019						<0.001		
3/3/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/5/2020							0.00038 (J)	0.00018 (J)
8/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001			
8/19/2020						<0.001	0.00029 (J)	0.00018 (J)
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001			
9/16/2020						<0.001	0.00032 (J)	0.00017 (J)
3/1/2021	<0.001				<0.001			
3/2/2021		<0.001	<0.001	<0.001				
3/3/2021							0.00022 (J)	0.00015 (J)
3/4/2021						<0.001		
9/21/2021			<0.001	<0.001				
9/22/2021	<0.001	<0.001			<0.001	<0.001	0.00019 (J)	0.00033 (J)
2/1/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00023 (J)	0.00012 (J)
8/23/2022	<0.001	<0.001	<0.001	<0.001	<0.001		0.000509 (J)	
8/24/2022						<0.001		0.000517 (J)
1/24/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000482 (J)	<0.001
8/22/2023	<0.001	<0.001	<0.001	<0.001	<0.001		0.000533 (J)	<0.001
8/23/2023						<0.001		
1/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
1/31/2024							0.000792 (J)	<0.001
8/27/2024	<0.001	<0.001	<0.001	<0.001	<0.001			
8/28/2024						<0.001	0.000807 (J)	<0.001
2/18/2025	<0.001	<0.001	<0.001	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
2/26/2025						<0.001	0.001	<0.001
8/26/2025	<0.001	<0.001	<0.001	<0.001	<0.001			
9/2/2025								0.000304 (J)
9/3/2025						<0.001	0.000738 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.001	8E-05 (J)		0.0004 (J)				
11/17/2016	<0.001							
11/18/2016		<0.001						
11/21/2016				0.0005 (J)				
2/22/2017	<0.001							
2/23/2017		0.0001 (J)	<0.001	0.0007 (J)				
4/17/2017			<0.001					
5/15/2017			<0.001					
6/15/2017	<0.001	<0.001	<0.001	0.0006 (J)				
9/28/2017	<0.001	<0.001	<0.001	0.0007 (J)				
2/15/2018	<0.001	<0.001	<0.001	0.00069 (J)				
6/27/2018	<0.001							
6/28/2018		<0.001	<0.001	0.00056 (J)				
12/19/2018	<0.001	0.00011 (J)	<0.001					
12/20/2018				0.00062 (J)				
1/15/2019					0.00011 (J)			
8/28/2019	<0.001	<0.001	<0.001					
8/29/2019				0.00053 (J)				
10/16/2019	<0.001		<0.001	0.00057 (J)				
10/17/2019		<0.001						
10/22/2019					<0.001			
12/3/2019		<0.001						
3/5/2020	<0.001	<0.001	<0.001	0.00059 (J)				
8/19/2020	<0.001	<0.001	<0.001	0.00056 (J)				
9/16/2020	<0.001	<0.001	<0.001					
9/17/2020				0.0005 (J)				
3/3/2021		<0.001	<0.001					
3/4/2021	<0.001			0.00042 (J)				
9/22/2021		<0.001						
9/23/2021	<0.001		<0.001	0.00048 (J)				
2/1/2022	<0.001	<0.001		0.00058				
2/2/2022			<0.001					
8/23/2022			<0.001	0.000459 (J)	<0.001		<0.001	
8/24/2022	<0.001	<0.001						
9/1/2022								<0.001
1/24/2023	<0.001							
1/25/2023		<0.001	<0.001	0.00043 (J)		<0.001	<0.001	
1/26/2023					<0.001			<0.001
8/22/2023			<0.001		<0.001			
8/23/2023	<0.001	<0.001		0.00041 (J)		<0.001		<0.001
8/24/2023							<0.001	
1/30/2024	<0.001				<0.001			
1/31/2024		<0.001	<0.001	0.000342 (J)		<0.001	<0.001	<0.001
8/27/2024			<0.001	0.000341 (J)	<0.001		<0.001	
8/28/2024	<0.001	<0.001				<0.001		<0.001
2/26/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/2/2025			<0.001	<0.001			<0.001	
9/3/2025	<0.001	<0.001			<0.001	<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	12.6	4.09	13.5	19.6				
9/1/2016					3.3			
9/7/2016						26.3	53.4	
9/8/2016								97.3
11/15/2016				21.7	3.44			
11/16/2016	12.1	4.25	14.9					
11/17/2016						31.8	41.3	97.6
2/20/2017			13.9	21.1	3.52			
2/21/2017	11.4	4.02						
2/22/2017						33.5	53.1	106
6/12/2017	9.34		13.7	21.5	3.11			
6/13/2017		3.84						
6/14/2017							47.1	98
6/15/2017						29		
9/26/2017	14.3	3.31	14.4	24	3.15			
9/27/2017							49.5	95.8
9/28/2017						34.1		
2/13/2018	<25	3.94	<25	<25	3.65			
2/15/2018						33.8	50.9	100
6/26/2018	16 (J)	3.6	13.5 (J)	23.5 (J)	3.3			
6/27/2018						34.1	55.1	90.1
12/18/2018	14.5 (J)	3.8	16.4 (J)	19.8 (J)	3.5		52.7	85.1
12/19/2018						33.1		
3/19/2019	14.3 (J)	3.9	12.3 (J)	21.4 (J)	3.6	31.6		
3/20/2019							51.4	82
10/15/2019	15.1	3.7	14.4	20	3.5			
10/16/2019							46.5	78.2
12/3/2019						37.7		
3/3/2020	20	4	14.9	23.2	5	29.7		
3/5/2020							48.1	89.6
9/15/2020	14.1	3.9	12.7	16.8	3.7			
9/16/2020						37.9	37.9	77.7
3/1/2021	15.4				4.2			
3/2/2021		4	13.2	16.8				
3/3/2021							37.5	88.6
3/4/2021						41.2		
9/21/2021			14.1	19.1				
9/22/2021	15.9	4.3			4.1	36.4	28.9	76.9
2/1/2022	14.4	4.4	14.5	19.1	4.2	41.5	34.3	81.7
8/23/2022	13.9	4.65	14.3	18.2	3.97		119	
8/24/2022						43.6		75
1/24/2023	14.2	4.86	15.8	19.4	3.9	41.3	116	80
8/22/2023	12.6	5.02	14.3	14.9	3.79		135	83.4
8/23/2023						47.9		
1/30/2024	14.1	5.25	16	18.2	4.27	53.3		
1/31/2024							281	99.2
8/27/2024	12.4	5.45	15.9	17.2	4.19			
8/28/2024						46.4	369	95.9
2/18/2025	13.8	5.76	16.9	16.5	4.11			
2/26/2025						49.9	443	127
8/26/2025	12.8	5.53	16.7	16.3	4.2			
9/2/2025								164

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
9/3/2025						48.7	375	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	54.1	50.6		45.9				
11/17/2016	62.6							
11/18/2016		53.9						
11/21/2016				46.4				
2/22/2017	64.6							
2/23/2017		51	3.26	43.5				
4/17/2017			3.23					
5/15/2017			2.97					
6/15/2017	61.3	53.8	3.15	45.3				
9/28/2017	60.8	51.8	3.26	45.1				
2/15/2018	56.6	50.1	3.39	45.3				
6/27/2018	66.2							
6/28/2018		51	3.1	45.9				
12/19/2018	64.4	57.1	3.6					
12/20/2018				41.8				
1/15/2019					23.5 (J)			
3/19/2019		49.5						
3/20/2019	61.8		3.3	38.2				
10/16/2019	61.2		3.4	38.4				
10/22/2019					14.8			
12/3/2019		47.8						
3/5/2020	69.9	51.7	3.7	39.8				
6/4/2020							61.2	
6/19/2020						19.6		
9/16/2020	61.8	45.9	3.2					
9/17/2020				33.1				
3/3/2021		53	3.6					
3/4/2021	71.8			41				
9/22/2021		53.7						
9/23/2021	70.5		3.7	36.8				
2/1/2022	73.8	49.7		37.8				
2/2/2022			3.7					
8/23/2022			3.7	37.1	9.69		76.4	
8/24/2022	68.5	48.1						
9/1/2022						69		42.6
1/24/2023	67.5							
1/25/2023		48.2	3.65	32.8		46.3	78.5	
1/26/2023					16.8			33.4
8/22/2023			3.47		8.74			
8/23/2023	71.4	43.4		28.7		46.7		31.4
8/24/2023							74.4	
1/30/2024	68.9				15.9			
1/31/2024		44.4	3.54	23.7		45.6	81.7	31.6
8/27/2024			3.64	26.7	14		80	
8/28/2024	59.5	41				44.5		31.4
2/26/2025	67.8	42.5	3.77	20.9	22	48.6	87.6	32.3
9/2/2025			3.6	21.4			77	
9/3/2025	63.3	39.8			21.6	47.6		31.2

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	2.3	2	4.4	3.6				
9/1/2016					2.5			
9/7/2016						3.7	5.3	
9/8/2016								7.2
11/15/2016				4	2.3			
11/16/2016	2	1.8	4.4					
11/17/2016						4	5.3	7.6
2/20/2017			4.8	3.9	2.4			
2/21/2017	2	1.8						
2/22/2017						3.6	0.12 (J)	7.1
6/12/2017	2.1		4.2	3.8	2.2			
6/13/2017		1.7						
6/14/2017							4.5	7.3
6/15/2017						3.7		
9/26/2017	2	1.8	4.4	4.1	2.3			
9/27/2017							5.4	7.6
9/28/2017						4.1		
2/13/2018	2.1	1.7	4.7	4.1	2.3			
2/15/2018						5.3	6.3	7.2
6/26/2018	2.4	2.2	4.5	4.1	2.6			
6/27/2018						4.2	4.5	7.1
12/18/2018	1.8	1.9	4.5	3.8	2.3		6.1	7.1
12/19/2018						4.9		
3/19/2019	2.5	2	4.5	4.2	2.6	5		
3/20/2019							6.2	6.9
10/15/2019	2.2	1.9	4.2	3.7	2.4			
10/16/2019							5.4	7.3
12/3/2019						4.8		
3/3/2020	1.9	1.9	3.9	3.6	2.9	3.8		
3/5/2020							4.8	6.4
9/15/2020	1.9	1.7	3.7	3.7	2.3			
9/16/2020						4.2	4.1	6.6
3/1/2021	1.8				2.1			
3/2/2021		1.7	3.8	3.7				
3/3/2021							3.9	6.4
3/4/2021						4.6		
9/21/2021			3.2	3.2				
9/22/2021	1.7	1.5			2.1	4.6	2.7	5.6
2/1/2022	1.8	1.6	3.5	3.4	2.1	4.9	13.1	5.9
8/23/2022	2.02	2.18	3.64	3.59	2.39		30.3	
8/24/2022						5		6.17
1/24/2023	2.09	2.16	3.93	3.56	2.3	6.31	29	7.5
8/22/2023	1.9	2.14	3.53	3.37	2.34		32.7	13.2
8/23/2023						5.18		
1/30/2024	2.35	2.14	3.98	3.52	3.23	5.69		
1/31/2024							65.3	15.7
8/27/2024	2.16	2.17	3.88	3.49	2.28			
8/28/2024						4.95	71.7	15.5
2/18/2025	2.09	2.09	4.05	3.34	2.25			
2/26/2025						5.96	96.1	23
8/26/2025	2.1	2.05	4	3.34	2.21			
9/2/2025								30.1

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
9/3/2025						5.04	56.8	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	5.8	3.1		5.8				
11/17/2016	6							
11/18/2016		3.4						
11/21/2016				5.1				
2/22/2017	5.6							
2/23/2017		3.2	2.1	4.1				
4/17/2017			1.8					
5/15/2017			1.8					
6/15/2017	5.8	4	1.9	4.8				
9/28/2017	6.2	4.6	1.9	6.7				
2/15/2018	6.2	5.4	2.3	8				
6/27/2018	5.9							
6/28/2018		9	2.1	5.5				
12/19/2018	6.2	6.2	1.9					
12/20/2018				8				
1/15/2019					2.4			
3/19/2019		7.1						
3/20/2019	6.6		2.3	6.6				
10/16/2019	6.6		2.3	6.4				
10/22/2019					2.1			
12/3/2019		7.7						
3/5/2020	5.8	7.6	1.8	5.8				
6/4/2020							29.6	
6/19/2020						8.4		
9/16/2020	6	7.9	1.8					
9/17/2020				6.1				
3/3/2021		8.1	1.9					
3/4/2021	5.8			5.6				
9/22/2021		7.1						
9/23/2021	6.1		1.9	6				
2/1/2022	6	7.6		5.8				
2/2/2022			1.8					
8/23/2022			1.97	6.42	4.2		4.94	
8/24/2022	6.53	7.96						
9/1/2022						6.24		10.8
1/24/2023	6.46							
1/25/2023		7.93	1.92	6.53			4.66	
1/26/2023					3.36	12.3		5.37
8/22/2023			1.89		2.73			
8/23/2023	6.21	8.26		6.44		6.9		5.75
8/24/2023							4.43	
1/30/2024	6.51				3.19			
1/31/2024		8.32	2	7		5.59	4.58	5.74
8/27/2024			1.9	6.53	3.03		4.37	
8/28/2024	6.21	7.81				4.15		4.99
2/26/2025	6.55	8.26	1.97	6.76	3.27	4.25	4.37	5.31
9/2/2025			1.88	6.44			4.09	
9/3/2025	6.4	8.21			3.01	4.16		4.85

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.001 (J)	0.0034 (J)	0.0058 (J)	0.0028 (J)				
9/1/2016					0.0147			
9/7/2016						0.01 (J)	<0.01	
9/8/2016								<0.01
11/15/2016				0.003 (J)	0.0154			
11/16/2016	<0.01	0.0029 (J)	0.0051 (J)					
11/17/2016						0.0185	<0.01	<0.01
2/20/2017			0.0049 (J)	0.0047 (J)	0.014			
2/21/2017	<0.01	0.0036 (J)						
2/22/2017						0.0122	<0.01	<0.01
6/12/2017	0.0005 (J)		0.0052 (J)	0.0041 (J)	0.016			
6/13/2017		0.0038 (J)						
6/14/2017							<0.01	<0.01
6/15/2017						0.0117		
9/26/2017	0.0005 (J)	0.0045 (J)	0.0039 (J)	0.0037 (J)	0.0144			
9/27/2017							<0.01	<0.01
9/28/2017						0.0114		
2/13/2018	<0.01	<0.01	<0.01	<0.01	0.0144			
2/15/2018						0.011	<0.01	<0.01
6/26/2018	<0.01	0.008 (J)	0.0053 (J)	0.0043 (J)	0.015			
6/27/2018						0.0098 (J)	<0.01	<0.01
12/18/2018	<0.01	0.012	0.0032 (J)	0.0054 (J)	0.015		<0.01	<0.01
12/19/2018						0.0095 (J)		
8/27/2019	0.0004 (J)	0.0083 (J)	0.0055 (J)	0.0043 (J)	0.015		<0.01	
8/28/2019						0.013		<0.01
10/15/2019	<0.01	0.0083 (J)	0.0047 (J)	0.0055 (J)	0.014			
10/16/2019							0.00049 (J)	<0.01
12/3/2019						0.011		
3/3/2020	0.00047 (J)	0.0098 (J)	0.0069 (J)	0.0057 (J)	0.011	0.0081 (J)		
3/5/2020							<0.01	<0.01
8/18/2020	0.00096 (J)	0.0085 (J)	0.0069 (J)	0.005 (J)	0.015			
8/19/2020						0.012	<0.01	<0.01
9/15/2020	<0.01	0.0082 (J)	0.0069 (J)	0.0048 (J)	0.014			
9/16/2020						0.012	<0.01	<0.01
3/1/2021	<0.01				0.011			
3/2/2021		0.0074	0.0064	0.0044 (J)				
3/3/2021							<0.01	<0.01
3/4/2021						0.01		
9/21/2021			0.0064	0.0044 (J)				
9/22/2021	<0.01	0.0091			0.014	0.0091	<0.01	<0.01
2/1/2022	0.0013 (J)	0.0092	0.0066	0.0052	0.015	0.013	<0.01	<0.01
8/23/2022	<0.01	0.00908 (J)	0.00647 (J)	0.00435 (J)	0.0143		<0.01	
8/24/2022						0.0127		<0.01
1/24/2023	<0.01	0.0095 (J)	0.00513 (J)	0.00572 (J)	0.0139	0.00886 (J)	<0.01	<0.01
8/22/2023	<0.01	0.00921 (J)	0.00701 (J)	0.00472 (J)	0.0132		<0.01	<0.01
8/23/2023						0.0115		
1/30/2024	0.00458 (J)	0.00854 (J)	0.00551 (J)	0.00582 (J)	0.0139	0.011		
1/31/2024							<0.01	<0.01
8/27/2024	0.00445 (J)	0.00799 (J)	0.00521 (J)	0.00604 (J)	0.0124			
8/28/2024						0.0101	<0.01	<0.01
2/18/2025	<0.01	0.00765 (J)	0.00451 (J)	0.00705 (J)	0.0123			
2/26/2025						0.00685 (J)	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	0.00517 (J)	0.00823 (J)	0.00456 (J)	0.008 (J)	0.013			
9/2/2025								<0.01
9/3/2025						0.00942 (J)	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.0019 (J)	0.0073 (J)		0.0014 (J)				
11/17/2016	0.0024 (J)							
11/18/2016		0.008 (J)						
11/21/2016				0.003 (J)				
2/22/2017	0.004 (J)							
2/23/2017		0.0086 (J)	0.001 (J)	0.0028 (J)				
4/17/2017			0.0018 (J)					
5/15/2017			0.0014 (J)					
6/15/2017	0.0033 (J)	0.0082 (J)	0.0013 (J)	0.0038 (J)				
9/28/2017	0.0052 (J)	0.0083 (J)	0.0014 (J)	0.0037 (J)				
2/15/2018	<0.01	0.0086 (J)	<0.01	0.0044 (J)				
6/27/2018	0.0062 (J)							
6/28/2018		0.0076 (J)	<0.01	0.0041 (J)				
12/19/2018	0.0073 (J)	0.0085 (J)	<0.01					
12/20/2018				0.0041 (J)				
1/15/2019					0.025			
8/28/2019	0.0071 (J)	0.0078 (J)	0.0017 (J)					
8/29/2019				0.0044 (J)				
10/16/2019	0.0064 (J)		0.0014 (J)	0.0038 (J)				
10/22/2019					0.02			
12/3/2019		0.007 (J)						
3/5/2020	0.0076 (J)	0.0087 (J)	0.0016 (J)	0.0038 (J)				
8/19/2020	0.0073 (J)	0.0094 (J)	0.0017 (J)	0.0043 (J)				
9/16/2020	0.0058 (J)	0.0064 (J)	0.0018 (J)					
9/17/2020				0.0042 (J)				
3/3/2021		0.0067	0.0014 (J)					
3/4/2021	0.0053			0.004 (J)				
9/22/2021		0.0065						
9/23/2021	0.0065		0.0016 (J)	0.004 (J)				
2/1/2022	0.0056	0.0068		0.0035 (J)				
2/2/2022			0.0015 (J)					
8/23/2022			<0.01	0.00398 (J)	0.0128		<0.01	
8/24/2022	0.00752 (J)	0.00713 (J)						
9/1/2022								<0.01
1/24/2023	0.00524 (J)							
1/25/2023		0.00682 (J)	<0.01	0.00362 (J)		<0.01	<0.01	
1/26/2023					0.0153			<0.01
8/22/2023			<0.01		0.0111			
8/23/2023	0.00592 (J)	0.00649 (J)		0.00338 (J)		<0.01		<0.01
8/24/2023							<0.01	
1/30/2024	0.0059 (J)				0.0134			
1/31/2024		0.00648 (J)	<0.01	0.00305 (J)		<0.01	<0.01	<0.01
8/27/2024			<0.01	0.00328 (J)	0.0137		<0.01	
8/28/2024	0.00491 (J)	0.00617 (J)				<0.01		<0.01
2/26/2025	0.00553 (J)	0.00674 (J)	<0.01	<0.01	0.0132	<0.01	<0.01	<0.01
9/2/2025			<0.01	0.00304 (J)			<0.01	
9/3/2025	0.00639 (J)	0.00802 (J)			0.0125	<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.0016 (J)	0.0034 (J)	0.0013 (J)	<0.001				
9/1/2016					<0.001			
9/7/2016						<0.001	0.0612	
9/8/2016								0.0029 (J)
11/15/2016				<0.001	<0.001			
11/16/2016	0.0006 (J)	0.003 (J)	0.0012 (J)					
11/17/2016						<0.001	0.0551	0.0028 (J)
2/20/2017			0.0012 (J)	0.0009 (J)	<0.001			
2/21/2017	<0.005	0.0028 (J)						
2/22/2017						<0.001	0.0567	0.0041 (J)
6/12/2017	<0.005		0.0011 (J)	0.0006 (J)	0.0003 (J)			
6/13/2017		0.0025 (J)						
6/14/2017							0.0557	0.0036 (J)
6/15/2017						<0.001		
9/26/2017	<0.005	0.002 (J)	0.0016 (J)	0.0005 (J)	0.0003 (J)			
9/27/2017							0.049	0.0028 (J)
9/28/2017						<0.001		
2/13/2018	<0.005	<0.005	<0.01 (O)	<0.001	<0.001			
2/15/2018						<0.001	0.0536	<0.01
6/26/2018	<0.005	0.0019 (J)	0.0009 (J)	0.00052 (J)	<0.001			
6/27/2018						<0.001	0.054	0.0041 (J)
12/18/2018	<0.005	0.0032 (J)	0.00062 (J)	<0.001	<0.001		0.049	0.0032 (J)
12/19/2018						<0.001		
8/27/2019	<0.005	0.0012 (J)	0.00068 (J)	0.00042 (J)	<0.001		0.045	
8/28/2019						<0.001		0.0037 (J)
10/15/2019	<0.005	0.00097 (J)	0.00083 (J)	<0.001	<0.001			
10/16/2019							0.042	0.0043 (J)
10/17/2019						<0.001		
12/3/2019						<0.001		
3/3/2020	<0.005	0.0015 (J)	0.00043 (J)	<0.001	0.0011 (J)	<0.001		
3/5/2020							0.037	0.0031 (J)
8/18/2020	<0.005	0.0014 (J)	0.00048 (J)	<0.001	0.00061 (J)			
8/19/2020						<0.001	0.036	0.0041 (J)
9/15/2020	<0.005	0.001 (J)	0.0005 (J)	<0.001	<0.001			
9/16/2020						<0.001	0.034	0.0042 (J)
3/1/2021	<0.005				<0.001			
3/2/2021		0.001 (J)	0.00053 (J)	<0.001				
3/3/2021							0.028	0.0046 (J)
3/4/2021						<0.001		
9/21/2021			0.00071 (J)	<0.001				
9/22/2021	0.0015 (J)	<0.005			0.00078 (J)	<0.001	0.024	0.0075
2/1/2022	0.00079 (J)	0.0011 (J)	0.0007 (J)	<0.001	<0.001	<0.001	0.027	0.0044 (J)
8/23/2022	0.000767 (J)	0.000844 (J)	0.000553 (J)	<0.001	<0.001		0.0639	
8/24/2022						<0.001		0.00438
1/24/2023	0.00154	0.000829 (J)	0.000677 (J)	<0.001	<0.001	<0.001	0.0582	0.00351
8/22/2023	0.000707 (J)	0.000707 (J)	0.000474 (J)	0.000327 (J)	<0.001		0.0659	0.00384
8/23/2023						<0.001		
1/30/2024	0.0014	0.000962 (J)	0.000555 (J)	<0.001	<0.001	<0.001		
1/31/2024							0.0988	0.00751
8/27/2024	0.00105	0.000772 (J)	0.000396 (J)	<0.001	<0.001			
8/28/2024						<0.001	0.104	0.00494
2/18/2025	0.000715 (J)	0.00111	<0.001	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
2/26/2025						<0.001	0.106	0.00592
8/26/2025	0.00132	0.000842 (J)	0.000853 (J)	<0.001	0.000481 (J)			
9/2/2025								0.00846
9/3/2025						<0.001	0.0784	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.0023 (J)	<0.001		0.236				
11/17/2016	0.0012 (J)							
11/18/2016		<0.001						
11/21/2016				0.298				
2/22/2017	0.0008 (J)							
2/23/2017		<0.001	<0.001	0.277				
4/17/2017			<0.001					
5/15/2017			<0.001					
6/15/2017	0.0004 (J)	<0.001	<0.001	0.262				
9/28/2017	0.0003 (J)	<0.001	<0.001	0.279				
2/15/2018	<0.001	<0.001	<0.001	0.279				
6/27/2018	<0.001							
6/28/2018		<0.001	<0.001	0.23				
12/19/2018	<0.001	<0.001	<0.001					
12/20/2018				0.25				
1/15/2019					<0.001			
8/28/2019	<0.001	<0.001	<0.001					
8/29/2019				0.21				
10/16/2019	<0.001		<0.001	0.21				
10/17/2019		<0.001						
10/22/2019					0.00037 (J)			
12/3/2019		<0.001						
3/5/2020	<0.001	<0.001	<0.001	0.22				
6/4/2020							0.0012 (J)	
6/19/2020						0.00034 (J)		
8/19/2020	<0.001	<0.001	<0.001	0.22				
9/16/2020	<0.001	<0.001	<0.001					
9/17/2020				0.2				
3/3/2021		<0.001	<0.001					
3/4/2021	<0.001			0.2				
9/22/2021		<0.001						
9/23/2021	<0.001		<0.001	0.17				
2/1/2022	<0.001	<0.001		0.18				
2/2/2022			<0.001					
8/23/2022			<0.001	0.173	<0.001		<0.001	
8/24/2022	<0.001	<0.001						
9/1/2022						0.0015		0.0056
1/24/2023	<0.001							
1/25/2023		<0.001	<0.001	0.158		0.00249	<0.001	
1/26/2023					<0.001			0.000682 (J)
8/22/2023			<0.001		<0.001			
8/23/2023	<0.001	<0.001		0.139		0.000307 (J)		0.000784 (J)
8/24/2023							<0.001	
1/30/2024	<0.001				<0.001			
1/31/2024		<0.001	<0.001	0.134		0.00104	<0.001	0.000866 (J)
8/27/2024			<0.001	0.119	<0.001		<0.001	
8/28/2024	<0.001	<0.001				0.000337 (J)		0.000686 (J)
2/26/2025	<0.001	<0.001	<0.001	0.109	<0.001	0.000373 (J)	<0.001	0.000507 (J)
9/2/2025			<0.001	0.0974			0.000372 (J)	
9/3/2025	<0.001	<0.001			<0.001	0.00281		0.000481 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	1	0.62	0.566	0.428				
9/1/2016					0.603			
9/7/2016						0.541	0.706 (U)	
9/8/2016								2.03
11/15/2016				0.645	0.412			
11/16/2016	0.824 (U)	0.43 (U)	0.493 (U)					
11/17/2016						0.145 (U)	1.02 (U)	0.613
2/20/2017			0.534 (U)	1.36	0.633 (U)			
2/21/2017	1.01	0.96						
2/22/2017						0.0213 (U)	0.482 (U)	1.01 (U)
6/12/2017	0.532 (U)		0.254 (U)	0.566 (U)	0.112 (U)			
6/13/2017		0.645 (U)						
6/14/2017							0.723 (U)	0.801 (U)
6/15/2017						0.41 (U)		
9/26/2017	0.845 (U)	0.299 (U)	0.62 (U)	0.762 (U)	0.167 (U)			
9/27/2017							1.5	1.44
9/28/2017						0.496 (U)		
2/13/2018	0.176 (U)	1.01 (U)	0.0914 (U)	0.349 (U)	0.347 (U)			
2/15/2018						0.672 (U)	1.14 (U)	0.668 (U)
6/26/2018	1.02 (U)	1.26	1.11 (U)	0.614 (U)	0.903 (U)			
6/27/2018						0.692 (U)	1.3 (U)	1.06 (U)
12/18/2018	0.487 (U)	0.44 (U)	0.42 (U)	0.445 (U)	0.353 (U)		1.64	1.22
12/19/2018						0.325 (U)		
8/27/2019	1.11	1.47	1.19	1.44	0.65 (U)		1.38	
8/28/2019						0.24 (U)		0.811 (U)
10/15/2019	1.02 (U)	0.807 (U)	0.714 (U)	0.467 (U)	0.402 (U)			
10/16/2019							1.16 (U)	0.561 (U)
12/18/2019						1.16 (U)		
3/3/2020	1.18 (U)	0.818 (U)	0.996 (U)	1.5	0.397 (U)	0.756 (U)		
3/5/2020							0.683 (U)	0.792 (U)
8/18/2020	0.0861 (U)	1.22 (U)	0.53 (U)	0.581 (U)	0.453 (U)			
8/19/2020						0.985 (U)	1.14 (U)	1.21 (U)
9/15/2020	0.0583 (U)	0.579 (U)	0.215 (U)	0.55 (U)	0.474 (U)			
9/16/2020						0.478 (U)	0.195 (U)	0.72 (U)
3/1/2021	0.127 (U)				0.215 (U)			
3/2/2021		0.342 (U)	0.409 (U)	0.362 (U)				
3/3/2021							0.708 (U)	1.12
3/4/2021						0.38 (U)		
9/21/2021			0.182 (U)	0.86 (U)				
9/22/2021	0.349 (U)	1.33 (U)			0.943 (U)	0.734 (U)	0.382 (U)	0.91 (U)
2/1/2022	0.233 (U)	0.251 (U)	1.23	0.23 (U)	0.349 (U)	0.503 (U)	0.583 (U)	0.535 (U)
8/23/2022	1.7 (U)	0.531 (U)	2.3	0.735 (U)	0.203 (U)		1.94	
8/24/2022						0.152 (U)		1.86
1/24/2023	2.05 (U)	1.35 (U)	0.811 (U)	0.402 (U)	1.55 (U)	0.728 (U)	3.31 (U)	2.14 (U)
8/22/2023	0.857 (U)	0.592 (U)	1.36	1.31 (U)	1.89 (U)		0.521 (U)	1.06 (U)
8/23/2023						1.92 (U)		
1/30/2024	1.25	2.54	1.48 (U)	0 (U)	1.29	1.36		
1/31/2024							2.66	1.31 (U)
8/27/2024	0.864 (U)	1.4 (U)	3.62	0.236 (U)	1.64			
8/28/2024						1.78 (U)	2.68	3.15
2/18/2025	1.02 (U)	0.747 (U)	0.475 (U)	1.3 (U)	2.33			
2/26/2025						5.67	4.05	4.95

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	5.9	2.04 (U)	2.27	3.65	2.13			
9/2/2025								5.54
9/3/2025						1.29 (U)	2.7	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	1.13	0.998 (U)		3.35				
11/17/2016	0.729 (U)							
11/18/2016		1.22 (U)						
11/21/2016				2.94				
2/22/2017	0.293 (U)							
2/23/2017		0.554 (U)	0.567 (U)	1.92				
4/17/2017			0.335 (U)					
5/15/2017			0.261 (U)					
6/15/2017	1.09	0.77 (U)	0.188 (U)	3.6				
9/28/2017	1.02 (U)	1.07 (U)	0.627 (U)	3.3				
2/15/2018	0.742 (U)	0.751 (U)	0.869 (U)	2.31				
6/27/2018	0.739 (U)							
6/28/2018		0.392 (U)	0.336 (U)	1.75				
12/19/2018	0.465 (U)	0.693 (U)	0.454 (U)					
12/20/2018				2.8				
1/15/2019					0.602			
8/28/2019	0.995 (U)	0.866 (U)	0.809 (U)					
8/29/2019				3.68				
10/16/2019	1.69		0.815 (U)	2.66				
10/22/2019					0.631 (U)			
12/18/2019		1.91						
3/5/2020	0.858 (U)	1.3	0.791 (U)	2.21				
8/19/2020	0.162 (U)	1.4	0.582 (U)	3.17				
9/16/2020	1.25 (U)	1.17 (U)	0.844 (U)					
9/17/2020				2.92				
3/3/2021		0.307 (U)	1.12					
3/4/2021	0.461 (U)			1.99				
9/22/2021		0.808 (U)						
9/23/2021	0.394 (U)		0.078 (U)	1.4				
2/1/2022	0.672 (U)	1.61 (U)		7.64				
2/2/2022			0.654 (U)					
8/23/2022			2.37 (U)	3.12	1.83 (U)		3.04	
8/24/2022	3.1	1.38 (U)						
9/1/2022								1.57 (U)
1/24/2023	3.34							
1/25/2023		4.86	1.67 (U)	3.79			2.1 (U)	
1/26/2023					4.77			1.81 (U)
2/2/2023						5.39		
8/22/2023			0.578 (U)		0.823 (U)			
8/23/2023	3.33	3.87		5.98		1.14 (U)		4.35
8/24/2023							3.67	
1/30/2024	2.4				2.01			
1/31/2024		2.31	1.74	2.98		2.54	3.57	1.55
8/27/2024			2.01 (U)	0.945 (U)	4.31		3.22	
8/28/2024	1.36 (U)	2.45				5.34		1.25 (U)
2/26/2025	3.29	4.5	5.37	3.64	3.29	3.82	4.25	2.41
9/2/2025			2.62	3.53			3.34	
9/3/2025	2.95	1.82			1.75	3.81		2.86

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.11 (J)	0.05 (J)	0.07 (J)	0.19 (J)				
9/1/2016					0.06 (J)			
9/7/2016						0.22 (J)	0.19 (J)	
9/8/2016								0.17 (J)
11/15/2016				0.08 (J)	0.04 (J)			
11/16/2016	0.05 (J)	0.04 (J)	0.03 (J)					
11/17/2016						0.33	0.26 (J)	0.12 (J)
2/20/2017			0.06 (J)	0.08 (J)	0.04 (J)			
2/21/2017	0.14 (J)	0.05 (J)						
2/22/2017						0.11 (J)	0.21 (J)	0.17 (J)
6/12/2017	0.16 (J)		0.008 (J)	0.07 (J)	0.06 (J)			
6/13/2017		0.04 (J)						
6/14/2017							0.18 (J)	0.1 (J)
6/15/2017						0.05 (J)		
9/26/2017	0.14 (J)	<0.1	<0.1	0.04 (J)	<0.1			
9/27/2017							0.42	0.4
9/28/2017						0.05 (J)		
2/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1			
2/15/2018						<0.3	0.42	<0.3
6/26/2018	0.085 (J)	0.048 (J)	0.045 (J)	0.072 (J)	0.041 (J)			
6/27/2018						0.093 (J)	0.32	0.21 (J)
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1		0.28 (J)	0.12 (J)
12/19/2018						0.16 (J)		
3/19/2019	0.066 (J)	0.037 (J)	<0.1	0.06 (J)	0.03 (J)	0.1 (J)		
3/20/2019							0.14 (J)	0.074 (J)
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1		0.11 (J)	
8/28/2019						0.085 (J)		0.057 (J)
10/15/2019	<0.1	<0.1	<0.1	0.045 (J)	<0.1			
10/16/2019							0.17 (J)	0.13 (J)
12/3/2019						0.2 (J)		
3/3/2020	0.066 (J)	0.05 (J)	<0.1	0.057 (J)	0.09 (J)	0.093 (J)		
3/5/2020							0.088 (J)	0.072 (J)
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1			
8/19/2020						0.1	0.11	0.074 (J)
9/15/2020	<0.1	<0.1	<0.1	0.051 (J)	<0.1			
9/16/2020						0.1	0.085 (J)	0.077 (J)
3/1/2021	<0.1				<0.1			
3/2/2021		<0.1	<0.1	<0.1				
3/3/2021							0.069 (J)	0.071 (J)
3/4/2021						0.096 (J)		
9/21/2021			<0.1	0.056 (J)				
9/22/2021	<0.1	<0.1			<0.1	0.1	0.068 (J)	0.1
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.079 (J)	0.053 (J)	0.06 (J)
8/23/2022	<0.1	<0.1	<0.1	<0.1	<0.1		0.187	
8/24/2022						0.274		0.14
1/24/2023	<0.1	<0.1	0.149	0.158	0.12	0.216	0.193	0.122
8/22/2023	0.267	0.229	0.289	0.277	0.0787 (J)		0.123	0.0816 (J)
8/23/2023						0.484		
1/30/2024	<0.1	0.184	0.232	0.233	0.0341 (J)	0.34		
1/31/2024							0.194	0.101
8/27/2024	0.0342 (J)	0.0426 (J)	0.0365 (J)	0.0516 (J)	0.0334 (J)			
8/28/2024						0.218	0.204	0.11

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
2/18/2025	0.0566 (J)	0.0709 (J)	0.0553 (J)	0.0749 (J)	0.0527 (J)			
2/26/2025						0.0663 (J)	0.143	0.1
8/26/2025	0.0368 (J)	0.0487 (J)	<0.1	0.0557 (J)	0.0343 (J)			
9/2/2025								0.113
9/3/2025						0.105	0.0936 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.34	0.18 (J)		0.66				
11/17/2016	0.24 (J)							
11/18/2016		0.04 (J)						
11/21/2016				0.95				
2/22/2017	0.09 (J)							
2/23/2017		0.07 (J)	0.1 (J)	0.75				
4/17/2017			0.08 (J)					
5/15/2017			0.02 (J)					
6/15/2017	0.03 (J)	0.01 (J)	0.03 (J)	0.77				
9/28/2017	<0.1	<0.1	<0.1	0.8				
2/15/2018	<0.1	<0.1	<0.1	0.82				
6/27/2018	0.22 (J)							
6/28/2018		0.51	<0.1	1.5				
12/19/2018	0.11 (J)	<0.1	0.094 (J)					
12/20/2018				0.68				
1/15/2019					0.06 (J)			
3/19/2019		<0.1						
3/20/2019	0.088 (J)		0.062 (J)	0.95				
8/28/2019	0.056 (J)	<0.1	<0.1					
8/29/2019				0.9				
10/16/2019	0.08 (J)		0.059 (J)	0.61				
10/22/2019					<0.1			
12/3/2019		0.15 (J)						
3/5/2020	0.067 (J)	<0.1	0.05 (J)	0.92				
6/4/2020							0.19	
6/19/2020						0.59		
8/19/2020	0.06 (J)	0.051 (J)	0.055 (J)	0.95				
9/16/2020	0.062 (J)	<0.1	<0.1					
9/17/2020				0.68				
3/3/2021		<0.1	<0.1					
3/4/2021	0.076 (J)			0.83				
9/22/2021		0.054 (J)						
9/23/2021	0.073 (J)		<0.1	0.85				
2/1/2022	0.055 (J)	<0.1		0.95				
2/2/2022			<0.1					
8/23/2022			0.105	0.609	0.128		0.164	
8/24/2022	<0.1	0.194						
9/1/2022						0.14		1.43
1/24/2023	0.239							
1/25/2023		0.183	0.114	0.708			0.282	
1/26/2023					<0.1	1.93		<0.1
8/22/2023			0.0445 (J)		<0.1			
8/23/2023	0.347	0.301		0.748		1.94		0.229
8/24/2023							0.334	
1/30/2024	0.263				0.222			
1/31/2024		0.144	0.109	0.493		1.9	0.153	0.108
8/27/2024			0.0777 (J)	0.366	0.0701 (J)		0.103	
8/28/2024	0.0609 (J)	0.0861 (J)				2.04		<0.1
2/26/2025	0.0472 (J)	0.0348 (J)	0.0523 (J)	0.336	0.0404 (J)	2.03	0.0608 (J)	<0.1
9/2/2025			0.0668 (J)	0.296			0.121	
9/3/2025	0.0847 (J)	0.081 (J)			0.0545 (J)	1.88		0.0577 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/22/2025 11:24 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.002	<0.002	<0.002	<0.002				
9/1/2016					0.0001 (J)			
9/7/2016						<0.002	0.0002 (J)	
9/8/2016								<0.002
11/15/2016				<0.002	<0.002			
11/16/2016	<0.002	<0.002	<0.002					
11/17/2016						0.0001 (J)	0.0002 (J)	0.0001 (J)
2/20/2017			<0.002	0.0002 (J)	<0.002			
2/21/2017	<0.002	<0.002						
2/22/2017						<0.002	0.0001 (J)	0.0003 (J)
6/12/2017	8E-05 (J)		<0.002	0.0001 (J)	8E-05 (J)			
6/13/2017		<0.002						
6/14/2017							9E-05 (J)	<0.002
6/15/2017						<0.002		
9/26/2017	7E-05 (J)	7E-05 (J)	<0.002	0.0001 (J)	<0.002			
9/27/2017							7E-05 (J)	9E-05 (J)
9/28/2017						<0.002		
2/13/2018	<0.002	<0.002	<0.002	<0.002	<0.002			
2/15/2018						<0.002	<0.002	<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002			
6/27/2018						<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
12/19/2018						<0.002		
8/27/2019	<0.002	5.8E-05 (J)	<0.002	0.00036 (J)	<0.002		0.00013 (J)	
8/28/2019						<0.002		<0.002
10/15/2019	<0.002	<0.002	<0.002	7.9E-05 (J)	<0.002			
10/16/2019							8.8E-05 (J)	<0.002
12/3/2019						<0.002		
3/3/2020	<0.002	<0.002	<0.002	7.9E-05 (J)	7.3E-05 (J)	<0.002		
3/5/2020							8.7E-05 (J)	<0.002
8/18/2020	<0.002	<0.002	<0.002	0.0001 (J)	<0.002			
8/19/2020						<0.002	6E-05 (J)	<0.002
9/15/2020	<0.002	<0.002	0.0013 (J)	4.3E-05 (J)	<0.002			
9/16/2020						5.4E-05 (J)	6.3E-05 (J)	<0.002
3/1/2021	<0.002				<0.002			
3/2/2021		<0.002	3.7E-05 (J)	<0.002				
3/3/2021							5.8E-05 (J)	<0.002
3/4/2021						<0.002		
9/21/2021			<0.002	<0.002				
9/22/2021	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
2/1/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/23/2022	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
8/24/2022						<0.002		<0.002
1/24/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/22/2023	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
8/23/2023						<0.002		
1/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/31/2024							<0.002	<0.002
8/27/2024	<0.002	<0.002	<0.002	<0.002	<0.002			
8/28/2024						<0.002	<0.002	<0.002
2/18/2025	<0.002	<0.002	<0.002	<0.002	<0.002			
2/26/2025						<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002			
9/2/2025								<0.002
9/3/2025						<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.0001 (J)	<0.002		0.0004 (J)				
11/17/2016	0.0002 (J)							
11/18/2016		<0.002						
11/21/2016				0.0005 (J)				
2/22/2017	0.0001 (J)							
2/23/2017		<0.002	<0.002	0.0005 (J)				
4/17/2017			0.0001 (J)					
5/15/2017			<0.002					
6/15/2017	<0.002	<0.002	<0.002	0.0004 (J)				
9/28/2017	<0.002	<0.002	0.0001 (J)	0.0004 (J)				
2/15/2018	<0.002	<0.002	<0.002	0.00047 (J)				
6/27/2018	<0.002							
6/28/2018		<0.002	<0.002	0.00036 (J)				
12/19/2018	<0.002	<0.002	<0.002					
12/20/2018				0.00039 (J)				
1/15/2019					<0.002			
8/28/2019	<0.002	<0.002	<0.002					
8/29/2019				0.00035 (J)				
10/16/2019	<0.002		<0.002	0.00035 (J)				
10/22/2019					0.00035 (J)			
12/3/2019		<0.002						
3/5/2020	<0.002	<0.002	<0.002	0.00041 (J)				
8/19/2020	<0.002	4.7E-05 (J)	<0.002	0.00031 (J)				
9/16/2020	0.00012 (J)	<0.002	<0.002					
9/17/2020				0.00032 (J)				
3/3/2021		<0.002	<0.002					
3/4/2021	<0.002			0.00034 (J)				
9/22/2021		<0.002						
9/23/2021	<0.002		<0.002	<0.002				
2/1/2022	<0.002	<0.002		<0.002				
2/2/2022			<0.002					
8/23/2022			<0.002	<0.002	<0.002		<0.002	
8/24/2022	<0.002	<0.002						
9/1/2022								<0.002
1/24/2023	<0.002							
1/25/2023		<0.002	<0.002	<0.002		<0.002	<0.002	
1/26/2023					<0.002			<0.002
8/22/2023			<0.002		<0.002			
8/23/2023	<0.002	<0.002		<0.002		<0.002		<0.002
8/24/2023							<0.002	
1/30/2024	<0.002				<0.002			
1/31/2024		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
8/27/2024			<0.002	<0.002	<0.002		<0.002	
8/28/2024	<0.002	<0.002				<0.002		<0.002
2/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/2/2025			<0.002	<0.002			<0.002	
9/3/2025	<0.002	<0.002			<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.0268 (J)	<0.01	<0.01	<0.01				
9/1/2016					0.003 (J)			
9/7/2016						<0.01	0.0092 (J)	
9/8/2016								<0.01
11/15/2016				<0.01	0.0033 (J)			
11/16/2016	0.0201 (J)	<0.01	0.0033 (J)					
11/17/2016						<0.01	0.0097 (J)	<0.01
2/20/2017			<0.01	<0.01	0.0025 (J)			
2/21/2017	0.0128 (J)	<0.01						
2/22/2017						<0.01	0.0106 (J)	<0.01
6/12/2017	0.0245 (J)		0.0019 (J)	<0.01	0.0027 (J)			
6/13/2017		<0.01						
6/14/2017							0.0097 (J)	<0.01
6/15/2017						<0.01		
9/26/2017	0.0549	<0.01	0.0022 (J)	<0.01	0.0023 (J)			
9/27/2017							0.0099 (J)	<0.01
9/28/2017						<0.01		
2/13/2018	0.0595	<0.01	0.0041 (J)	<0.01	0.0027 (J)			
2/15/2018						<0.01	0.0106 (J)	<0.01
6/26/2018	0.089	<0.01	0.0025 (J)	<0.01	0.0029 (J)			
6/27/2018						<0.01	0.01 (J)	<0.01
12/18/2018	0.024 (J)	<0.01	0.0032 (J)	<0.01	0.0026 (J)		0.011 (J)	<0.01
12/19/2018						<0.01		
8/27/2019	0.035 (J)	<0.01	0.0019 (J)	<0.01	0.0028 (J)		0.01 (J)	
8/28/2019						0.00097 (J)		0.0009 (J)
10/15/2019	0.028 (J)	<0.01	0.002 (J)	<0.01	0.0024 (J)			
10/16/2019							0.0098 (J)	0.00078 (J)
12/3/2019						0.001 (J)		
3/3/2020	0.055	<0.01	0.0013 (J)	<0.01	0.0026 (J)	<0.01		
3/5/2020							0.011 (J)	0.00089 (J)
8/18/2020	0.054	<0.01	0.00095 (J)	<0.01	0.0026 (J)			
8/19/2020						0.001 (J)	0.009 (J)	0.00082 (J)
9/15/2020	0.033	<0.01	0.001 (J)	<0.01	0.0027 (J)			
9/16/2020						0.00096 (J)	0.0089 (J)	<0.01
3/1/2021	0.027 (J)				0.0036 (J)			
3/2/2021		<0.01	0.00081 (J)	<0.01				
3/3/2021							0.0085 (J)	0.00096 (J)
3/4/2021						0.00086 (J)		
9/21/2021			0.0012 (J)	<0.01				
9/22/2021	0.021 (J)	<0.01			0.0035 (J)	0.0011 (J)	0.008 (J)	<0.01
2/1/2022	0.023 (J)	<0.01	0.0011 (J)	<0.01	0.0029 (J)	0.00096 (J)	0.0083 (J)	0.00085 (J)
8/23/2022	0.0262	<0.01	<0.01	<0.01	0.00314 (J)		0.0109	
8/24/2022						<0.01		<0.01
1/24/2023	0.00919 (J)	<0.01	<0.01	<0.01	0.00341 (J)	<0.01	0.0115	<0.01
8/22/2023	0.0209	<0.01	<0.01	<0.01	<0.01		0.00967 (J)	<0.01
8/23/2023						<0.01		
1/30/2024	0.00407 (J)	<0.01	<0.01	<0.01	0.00317 (J)	<0.01		
1/31/2024							0.0117	<0.01
8/27/2024	0.00584 (J)	<0.01	0.00337 (J)	<0.01	0.00322 (J)			
8/28/2024						<0.01	0.0102	<0.01
2/18/2025	0.00603 (J)	<0.01	<0.01	<0.01	<0.01			
2/26/2025						<0.01	0.0102	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	0.00708 (J)	<0.01	0.0069 (J)	<0.01	0.00358 (J)			
9/2/2025								<0.01
9/3/2025						<0.01	0.008 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.0021 (J)	0.0024 (J)		0.0193 (J)				
11/17/2016	0.0022 (J)							
11/18/2016		0.0026 (J)						
11/21/2016				0.0223 (J)				
2/22/2017	0.0023 (J)							
2/23/2017		0.0026 (J)	<0.01	0.0229 (J)				
4/17/2017			<0.01					
5/15/2017			<0.01					
6/15/2017	0.0023 (J)	0.0026 (J)	<0.01	0.0227 (J)				
9/28/2017	0.0021 (J)	0.0025 (J)	<0.01	0.023 (J)				
2/15/2018	0.0021 (J)	<0.01	<0.01	0.0254 (J)				
6/27/2018	0.0021 (J)							
6/28/2018		0.0022 (J)	<0.01	0.021 (J)				
12/19/2018	0.0021 (J)	0.0026 (J)	<0.01					
12/20/2018				0.022 (J)				
1/15/2019					0.0017 (J)			
8/28/2019	0.0021 (J)	0.0025 (J)	<0.01					
8/29/2019				0.021 (J)				
10/16/2019	0.0022 (J)		<0.01	0.02 (J)				
10/22/2019					0.001 (J)			
12/3/2019		0.0024 (J)						
3/5/2020	0.0021 (J)	0.0025 (J)	<0.01	0.021 (J)				
8/19/2020	0.0021 (J)	0.0024 (J)	<0.01	0.021 (J)				
9/16/2020	0.002 (J)	0.0022 (J)	<0.01					
9/17/2020				0.02 (J)				
3/3/2021		0.0024 (J)	<0.01					
3/4/2021	0.0021 (J)			0.021 (J)				
9/22/2021		0.0026 (J)						
9/23/2021	0.0022 (J)		<0.01	0.019 (J)				
2/1/2022	0.0021 (J)	0.0023 (J)		0.02 (J)				
2/2/2022			<0.01					
8/23/2022			<0.01	0.0214	<0.01		0.0171	
8/24/2022	<0.01	<0.01						
9/1/2022								0.00615 (J)
1/24/2023	<0.01							
1/25/2023		<0.01	<0.01	0.0256		0.0165	0.0207	
1/26/2023					<0.01			0.00381 (J)
8/22/2023			<0.01		<0.01			
8/23/2023	<0.01	<0.01		0.0195		0.0182		0.00385 (J)
8/24/2023							0.0185	
1/30/2024	<0.01				<0.01			
1/31/2024		<0.01	<0.01	0.0201		0.0184	0.0182	0.00385 (J)
8/27/2024			<0.01	0.02	<0.01		0.019	
8/28/2024	<0.01	<0.01				0.0163		0.00382 (J)
2/26/2025	<0.01	<0.01	<0.01	0.0178	<0.01	0.0182	0.0182	0.00401 (J)
9/2/2025			<0.01	0.0172			0.0176	
9/3/2025	<0.01	<0.01			<0.01	0.018		0.00407 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002				
9/1/2016					<0.0002			
9/7/2016						<0.0002	<0.0002	
9/8/2016								<0.0002
11/15/2016				<0.0002	<0.0002			
11/16/2016	<0.0002	<0.0002	<0.0002					
11/17/2016						<0.0002	<0.0002	<0.0002
2/20/2017			<0.0002	8E-05 (J)	<0.0002			
2/21/2017	<0.0002	<0.0002						
2/22/2017						<0.0002	<0.0002	<0.0002
6/12/2017	4E-05 (J)		<0.0002	<0.0002	<0.0002			
6/13/2017		<0.0002						
6/14/2017							7E-05 (J)	7E-05 (J)
6/15/2017						6E-05 (J)		
9/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
9/27/2017							4E-05 (J)	4E-05 (J)
9/28/2017						<0.0002		
2/13/2018	0.00021	0.00019 (J)	<0.0002	0.00013 (J)	<0.0002			
2/15/2018						<0.0002	<0.0002	<0.0002
6/26/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
6/27/2018						<0.0002	<0.0002	<0.0002
12/18/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
12/19/2018						<0.0002		
8/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
8/28/2019						<0.0002		<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
8/19/2020						8.4E-05 (J)	<0.0002	0.00012 (J)
9/15/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
9/16/2020						<0.0002	<0.0002	<0.0002
3/1/2021	<0.0002				<0.0002			
3/2/2021		<0.0002	<0.0002	<0.0002				
3/3/2021							<0.0002	<0.0002
3/4/2021						<0.0002		
9/21/2021			0.0001 (J)	0.0001 (J)				
9/22/2021	0.0001 (J)	0.0001 (J)			0.0001 (J)	0.0001 (J)	0.00012 (J)	0.00015 (J)
2/1/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/23/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
8/24/2022						<0.0002		<0.0002
1/24/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/22/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
8/23/2023						<0.0002		
1/30/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
1/31/2024							<0.0002	<0.0002
8/27/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
8/28/2024						<0.0002	<0.0002	<0.0002
2/18/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
2/26/2025						<0.0002	<0.0002	0.000131 (J)
8/26/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
9/2/2025								<0.0002
9/3/2025						<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.0002	<0.0002		7E-05 (J)				
11/17/2016	<0.0002							
11/18/2016		<0.0002						
11/21/2016				0.00012 (J)				
2/22/2017	<0.0002							
2/23/2017		<0.0002	<0.0002	7E-05 (J)				
4/17/2017			<0.0002					
5/15/2017			<0.0002					
6/15/2017	7E-05 (J)	7E-05 (J)	6E-05 (J)	0.00016 (J)				
9/28/2017	<0.0002	<0.0002	<0.0002	0.00011 (J)				
2/15/2018	<0.0002	<0.0002	<0.0002	0.00015 (J)				
6/27/2018	<0.0002							
6/28/2018		<0.0002	<0.0002	0.00017 (J)				
12/19/2018	<0.0002	<0.0002	<0.0002					
12/20/2018				0.00017 (J)				
1/15/2019					<0.0002			
8/28/2019	<0.0002	<0.0002	<0.0002					
8/29/2019				0.00018 (J)				
8/19/2020	0.00013 (J)	0.00013 (J)	0.00014 (J)	0.00018 (J)				
9/16/2020	<0.0002	<0.0002	<0.0002					
9/17/2020				0.00011 (J)				
3/3/2021		<0.0002	<0.0002					
3/4/2021	<0.0002			8.5E-05 (J)				
9/22/2021		0.0001 (J)						
9/23/2021	0.00011 (J)		0.00011 (J)	0.00022				
2/1/2022	<0.0002	<0.0002		<0.0002				
2/2/2022			<0.0002					
8/23/2022			<0.0002	0.000117 (J)	<0.0002		<0.0002	
8/24/2022	<0.0002	<0.0002						
9/1/2022								<0.0002
1/24/2023	<0.0002							
1/25/2023		<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	
1/26/2023					<0.0002			<0.0002
8/22/2023			<0.0002		<0.0002			
8/23/2023	<0.0002	<0.0002		<0.0002		<0.0002		0.00322
8/24/2023							<0.0002	
1/30/2024	<0.0002				<0.0002			
1/31/2024		<0.0002	<0.0002	8.5E-05 (J)		<0.0002	<0.0002	0.00149
8/27/2024			<0.0002	<0.0002	<0.0002		<0.0002	
8/28/2024	<0.0002	<0.0002				<0.0002		0.00101
2/26/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00173
9/2/2025			<0.0002	7.6E-05 (J)			<0.0002	
9/3/2025	<0.0002	<0.0002			<0.0002	<0.0002		0.00108

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	0.0021 (J)	<0.001	0.004 (J)	<0.001				
9/1/2016					<0.001			
9/7/2016						<0.001	<0.001	
9/8/2016								<0.001
11/15/2016				<0.001	<0.001			
11/16/2016	<0.01	<0.001	0.0038 (J)					
11/17/2016						<0.001	<0.001	<0.001
2/20/2017			0.0055 (J)	<0.001	<0.001			
2/21/2017	0.0021 (J)	<0.001						
2/22/2017						<0.001	<0.001	<0.001
6/12/2017	0.0021 (J)		0.005 (J)	<0.001	<0.001			
6/13/2017		<0.001						
6/14/2017							<0.001	<0.001
6/15/2017						<0.001		
9/26/2017	0.0011 (J)	<0.001	0.0053 (J)	<0.001	<0.001			
9/27/2017							<0.001	<0.001
9/28/2017						<0.001		
2/13/2018	0.0019 (J)	<0.001	0.008 (J)	<0.001	<0.001			
2/15/2018						<0.001	<0.001	<0.001
6/26/2018	<0.01	<0.001	0.0041 (J)	<0.001	<0.001			
6/27/2018						<0.001	<0.001	<0.001
12/18/2018	<0.01	<0.001	0.0048 (J)	<0.001	<0.001		<0.001	<0.001
12/19/2018						<0.001		
8/27/2019	<0.01	<0.001	0.0028 (J)	<0.001	<0.001		<0.001	
8/28/2019						<0.001		<0.001
10/15/2019	<0.01	<0.001	0.0035 (J)	<0.001	<0.001			
10/16/2019							<0.001	<0.001
12/3/2019						<0.001		
3/3/2020	<0.01	<0.001	0.0023 (J)	<0.001	<0.001	<0.001		
3/5/2020							<0.001	<0.001
8/18/2020	0.0011 (J)	<0.001	0.0015 (J)	<0.001	<0.001			
8/19/2020						<0.001	<0.001	<0.001
9/15/2020	0.0007 (J)	<0.001	0.0015 (J)	<0.001	<0.001			
9/16/2020						<0.001	<0.001	<0.001
3/1/2021	<0.01				<0.001			
3/2/2021		<0.001	0.0015 (J)	<0.001				
3/3/2021							<0.001	<0.001
3/4/2021						<0.001		
9/21/2021			0.002 (J)	<0.001				
9/22/2021	0.0012 (J)	<0.001			<0.001	<0.001	<0.001	<0.001
2/1/2022	0.0013 (J)	<0.001	0.002 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
8/23/2022	0.0024	<0.001	0.00151	<0.001	<0.001		<0.001	
8/24/2022						<0.001		<0.001
1/24/2023	0.000601 (J)	<0.001	0.00192	<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2023	0.00169	<0.001	0.000953 (J)	<0.001	<0.001		<0.001	<0.001
8/23/2023						<0.001		
1/30/2024	0.000362 (J)	<0.001	0.00143	<0.001	<0.001	<0.001		
1/31/2024							<0.001	<0.001
8/27/2024	0.000313 (J)	<0.001	0.00134	<0.001	<0.001			
8/28/2024						<0.001	<0.001	<0.001
2/18/2025	0.000375 (J)	<0.001	0.00141	<0.001	<0.001			
2/26/2025						<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	0.000324 (J)	<0.001	0.00106	<0.001	<0.001			
9/2/2025								<0.001
9/3/2025						<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.001	<0.001		<0.001				
11/17/2016	<0.001							
11/18/2016		<0.001						
11/21/2016				<0.001				
2/22/2017	<0.001							
2/23/2017		<0.001	<0.001	<0.001				
4/17/2017			<0.001					
5/15/2017			<0.001					
6/15/2017	<0.001	<0.001	<0.001	<0.001				
9/28/2017	<0.001	<0.001	<0.001	<0.001				
2/15/2018	<0.001	<0.001	<0.001	<0.001				
6/27/2018	<0.001							
6/28/2018		<0.001	<0.001	<0.001				
12/19/2018	<0.001	<0.001	<0.001					
12/20/2018				<0.001				
1/15/2019					<0.001			
8/28/2019	<0.001	<0.001	<0.001					
8/29/2019				<0.001				
10/16/2019	<0.001		<0.001	<0.001				
10/22/2019					<0.001			
12/3/2019		<0.001						
3/5/2020	<0.001	<0.001	<0.001	<0.001				
8/19/2020	<0.001	<0.001	<0.001	<0.001				
9/16/2020	<0.001	<0.001	<0.001					
9/17/2020				<0.001				
3/3/2021		<0.001	<0.001					
3/4/2021	<0.001			<0.001				
9/22/2021		<0.001						
9/23/2021	<0.001		<0.001	<0.001				
2/1/2022	<0.001	<0.001		<0.001				
2/2/2022			<0.001					
8/23/2022			<0.001	<0.001	<0.001		0.00265	
8/24/2022	<0.001	<0.001						
9/1/2022								0.00142
1/24/2023	<0.001							
1/25/2023		<0.001	<0.001	<0.001		0.0222	0.00234	
1/26/2023					<0.001			<0.001
8/22/2023			<0.001		<0.001			
8/23/2023	<0.001	<0.001		<0.001		0.0154		<0.001
8/24/2023							0.00211	
1/30/2024	<0.001				<0.001			
1/31/2024		<0.001	<0.001	<0.001		0.0137	0.00209	<0.001
8/27/2024			<0.001	<0.001	<0.001		0.00191	
8/28/2024	<0.001	<0.001				0.00922		<0.001
2/26/2025	<0.001	<0.001	<0.001	<0.001	<0.001	0.00804	0.00158	<0.001
9/2/2025			<0.001	<0.001			0.00172	
9/3/2025	<0.001	<0.001			<0.001	0.00641		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	7.16	6.2	6.53	6.59				
9/1/2016					6.49			
9/7/2016						6.36	4.92	
9/8/2016								5.84
11/15/2016				6.67	6.59			
11/16/2016	6.96	6.12	6.4					
11/17/2016						6.28	4.82	5.81
2/20/2017			6.44	6.65	6.61			
2/21/2017	7.15	6.24						
2/22/2017						6.4	4.86	5.85
6/12/2017	7.31		6.4	6.64				
6/13/2017		6.19						
6/14/2017							4.86	5.87
6/15/2017						6.35		
9/26/2017	7.02	6.15	6.31	6.58	6.47			
9/27/2017							4.78	5.74
9/28/2017						6.35		
2/13/2018	7.44	6.18	6.62	6.72	6.54			
2/15/2018						6.35	4.84	5.93
6/26/2018	6.93	6.05	6.29	6.43	6.23			
6/27/2018						6.35	4.73	5.68
12/18/2018	6.76	5.92	6.57	6.7	6.71		4.84	5.97
12/19/2018						6.56		
3/19/2019	6.87	6.18	6.45	6.63	6.18	6.43		
3/20/2019							4.77	5.84
8/27/2019	6.79	6.09	6.37	6.49	6.35		4.78	
8/28/2019						6.25		5.8
10/15/2019	6.57	6.06	6.77	7.01	6.36			
10/16/2019							4.78	5.85
10/17/2019						6.3		
12/3/2019						6.36		
3/3/2020	6.71	6.1	6.29	6.49	6.59	6.34		
3/5/2020							4.82	5.89
8/18/2020	6.59	6.06	6.29	6.41	6.33			
8/19/2020						6.24	4.78	5.78
9/15/2020	6.64	6.01	6.27	6.25	6.43			
9/16/2020						6.26	4.78	5.81
3/1/2021	6.66				6.7			
3/2/2021		6.2	6.47	6.42				
3/3/2021							4.83	5.88
3/4/2021						6.45		
9/21/2021			6.32	6.36				
9/22/2021	6.78	6.06			6.48	6.22	4.81	5.93
2/1/2022	6.83	5.95	6.38	6.39	6.54	6.39	4.82	5.87
8/23/2022	6.67	5.95	6.24	6.36	6.51		4.67	
8/24/2022						6.62		5.75
10/12/2022		5.69					4.72	
1/24/2023	6.7	5.26	6.42	6.47	6.54	6.37	4.79	5.93
8/22/2023	6.95	5.96	6.24	6.08	6.09		4.58	5.72
8/23/2023						6.16		
10/30/2023	6.22	5.5			6.28			
1/30/2024	6.57	6.05	6.44	6.38	5.75	6.28		

Time Series

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
1/31/2024							4.78	5.95
8/27/2024	6.6	6.02	6.56	6.65	6.8			
8/28/2024						6.49	4.51	6.21
2/18/2025	6.42	5.88	6.17	6.42	6.38			
2/26/2025						6.26	4.94	5.97
8/26/2025	6.39	5.79	6.42	6.43	6.47			
9/2/2025								5.8
9/3/2025						6.22	5	

Time Series

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	6.1	5.59		5.43				
9/23/2016				5.46				
9/26/2016					5.68			
11/17/2016	6.04							
11/18/2016		5.51						
11/21/2016				4.84				
2/22/2017	6.08							
2/23/2017		5.65	5.57	4.73				
4/17/2017			5.8					
5/15/2017			5.75					
6/15/2017	6.06	5.55	5.8	4.35				
9/28/2017	6.03	5.62	5.86	4.37				
2/15/2018	6.02	5.66	5.95	4.3				
6/27/2018	6.01							
6/28/2018		5.57	5.78	4.16				
12/19/2018	6.22	5.76	6.07					
12/20/2018				4.21				
1/15/2019					5.52			
3/19/2019		5.72						
3/20/2019	6.06		5.93	4.34				
8/28/2019	5.95	5.52	5.8					
8/29/2019				4.01				
10/16/2019	6.03		5.81	4.21				
10/17/2019		5.61						
10/22/2019					5.49			
12/3/2019		5.63						
3/5/2020	6.04	5.39	5.53	4.01				
6/4/2020							7.15	
6/19/2020						7.17		
8/19/2020	5.97	5.53	5.66	4.12				
9/16/2020	5.96	5.58	5.84					
9/17/2020				4.17				
3/3/2021		5.86	5.87					
3/4/2021	6.14			4.19				
9/22/2021		5.53						
9/23/2021	6.08		5.85	4.05				
2/1/2022	6.09	5.65		4.06				
2/2/2022			5.8					
8/23/2022			5.82	3.97	5.46		7.18	
8/24/2022	6.05	5.59						
9/1/2022						7.7		6.13
10/12/2022	5.64			4.17				
1/24/2023	6.08							
1/25/2023		5.64	5.84	4.75		7.14	7.1	
1/26/2023					5.56	7.14		5.6
8/22/2023			5.42		5.37			
8/23/2023	5.9	5.26		3.91		6.99		5.36
8/24/2023							6.54	
1/30/2024	5.5				5.66			
1/31/2024		5.63	5.76	4.1		7.69	6.7	5.5
8/27/2024			5.82	4.96	5.67		6.94	
8/28/2024	5.87	5.8				7.66		5.28

Time Series

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
2/26/2025	5.94	5.64	5.73	4.23	5.55	7.58	6.99	5.35
9/2/2025			5.92	4.33			6.97	
9/3/2025	5.97	5.51			5.62	7.54		5.53

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.005	<0.005	<0.005	<0.005				
9/1/2016					<0.005			
9/7/2016						0.0024 (J)	0.0032 (J)	
9/8/2016								<0.005
11/15/2016				<0.005	<0.005			
11/16/2016	<0.005	<0.005	<0.005					
11/17/2016						0.0028 (J)	0.0028 (J)	<0.005
2/20/2017			<0.005	<0.005	<0.005			
2/21/2017	<0.005	<0.005						
2/22/2017						0.0018 (J)	0.0018 (J)	<0.005
6/12/2017	<0.005		<0.005	<0.005	<0.005			
6/13/2017		<0.005						
6/14/2017							0.004 (J)	<0.005
6/15/2017						0.0024 (J)		
9/26/2017	<0.005	<0.005	<0.005	<0.005	<0.005			
9/27/2017							0.0036 (J)	<0.005
9/28/2017						<0.005		
2/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005			
2/15/2018						<0.005	<0.005	<0.005
6/26/2018	<0.005	<0.005	<0.005	<0.005	<0.005			
6/27/2018						0.002 (J)	0.0017 (J)	<0.005
12/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
12/19/2018						0.0014 (J)		
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
8/28/2019						0.003 (J)		<0.005
10/15/2019	<0.005	<0.005	<0.005	<0.005	<0.005			
10/16/2019							0.0028 (J)	<0.005
12/3/2019						0.0041 (J)		
3/3/2020	<0.005	<0.005	<0.005	<0.005	<0.005	0.0019 (J)		
3/5/2020							<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005			
8/19/2020						0.003 (J)	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005			
9/16/2020						<0.005	0.0028 (J)	<0.005
3/1/2021	<0.005				<0.005			
3/2/2021		<0.005	<0.005	<0.005				
3/3/2021							<0.005	<0.005
3/4/2021						<0.005		
9/21/2021			<0.005	<0.005				
9/22/2021	<0.005	<0.005			<0.005	0.0015 (J)	<0.005	<0.005
2/1/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0021 (J)	<0.005	<0.005
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005		0.0061	
8/24/2022						0.00208 (J)		<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	<0.005	0.00178 (J)	0.0049 (J)	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005	<0.005		0.00572	<0.005
8/23/2023						0.00214 (J)		
1/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	0.00271 (J)		
1/31/2024							0.0164	<0.005
8/27/2024	<0.005	<0.005	<0.005	<0.005	<0.005			
8/28/2024						0.00304 (J)	0.0238	<0.005
2/18/2025	<0.005	<0.005	<0.005	<0.005	<0.005			
2/26/2025						0.00261 (J)	0.0286	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005			
9/2/2025								<0.005
9/3/2025						0.00297 (J)	0.0142	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.005	0.0079 (J)		0.0311				
11/17/2016	<0.005							
11/18/2016		0.0082 (J)						
11/21/2016				0.0409				
2/22/2017	<0.005							
2/23/2017		0.0061 (J)	<0.005	0.0354				
4/17/2017			<0.005					
5/15/2017			<0.005					
6/15/2017	<0.005	0.0046 (J)	<0.005	0.0511				
9/28/2017	<0.005	0.0042 (J)	<0.005	0.0484				
2/15/2018	<0.005	0.0045 (J)	<0.005	0.0435				
6/27/2018	<0.005							
6/28/2018		0.0033 (J)	<0.005	0.037				
12/19/2018	<0.005	0.0042 (J)	<0.005					
12/20/2018				0.037				
1/15/2019					0.0033 (J)			
8/28/2019	<0.005	0.0041 (J)	<0.005					
8/29/2019				0.036				
10/16/2019	<0.005		<0.005	0.033				
10/22/2019					0.0033 (J)			
12/3/2019		0.0035 (J)						
3/5/2020	<0.005	0.0034 (J)	<0.005	0.032				
8/19/2020	<0.005	0.002 (J)	<0.005	0.041				
9/16/2020	<0.005	0.0031 (J)	<0.005					
9/17/2020				0.029				
3/3/2021		0.0024 (J)	<0.005					
3/4/2021	<0.005			0.039				
9/22/2021		0.0032 (J)						
9/23/2021	<0.005		<0.005	0.031				
2/1/2022	<0.005	0.0025 (J)		0.029				
2/2/2022			<0.005					
8/23/2022			<0.005	0.0296	0.00157 (J)		<0.005	
8/24/2022	<0.005	0.00246 (J)						
9/1/2022								0.00625
1/24/2023	<0.005							
1/25/2023		0.00237 (J)	<0.005	0.0279		<0.005	<0.005	
1/26/2023					0.00215 (J)			0.00921
8/22/2023			<0.005		<0.005			
8/23/2023	<0.005	0.00173 (J)		0.0186		<0.005		0.00829
8/24/2023							<0.005	
1/30/2024	<0.005				0.00203 (J)			
1/31/2024		0.00174 (J)	<0.005	0.0187		<0.005	<0.005	0.00789
8/27/2024			<0.005	0.018	0.00217 (J)		<0.005	
8/28/2024	<0.005	0.00159 (J)				<0.005		0.00691
2/26/2025	<0.005	0.00173 (J)	<0.005	0.0147	0.00308 (J)	<0.005	<0.005	0.00633
9/2/2025			<0.005	0.0155			0.00188 (J)	
9/3/2025	<0.005	0.00151 (J)			0.00333 (J)	<0.005		0.00477 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	7.5	0.38 (J)	2.7	0.81 (J)				
9/1/2016					0.6 (J)			
9/7/2016						97	260	
9/8/2016								420
11/15/2016				0.87 (J)	0.49 (J)			
11/16/2016	6.6	0.36 (J)	3.4					
11/17/2016						120	250	460
2/20/2017			3.9	1	0.98 (J)			
2/21/2017	6.1	1.5						
2/22/2017						120	210	410
6/12/2017	5		3.7	0.94 (J)	0.54 (J)			
6/13/2017		0.67 (J)						
6/14/2017							200	410
6/15/2017						130		
9/26/2017	5.4	0.62 (J)	4.1	0.92 (J)	0.53 (J)			
9/27/2017							200	360
9/28/2017						120		
2/13/2018	4.7 (J)	<1	6.6	<1	<1			
2/15/2018						109	197	335
6/26/2018	6.2	0.69 (J)	3.5	0.91 (J)	0.54 (J)			
6/27/2018						118	200	296
12/18/2018	5.9	0.72 (J)	4.3	0.68 (J)	0.39 (J)		222	345
12/19/2018						125		
3/19/2019	6	0.78 (J)	3	0.74 (J)	0.68 (J)	126		
3/20/2019							204	329
10/15/2019	5.2	0.47 (J)	3.8	0.68 (J)	0.48 (J)			
10/16/2019							226	325
12/3/2019						180		
3/3/2020	7.1	0.93 (J)	2.8	0.71 (J)	2.5	95.4		
3/5/2020							173	287
9/15/2020	5.9	<1	1.7	<1	<1			
9/16/2020						151	154	283
3/1/2021	4.7				0.74 (J)			
3/2/2021		<1	2.2	<1				
3/3/2021							133	277
3/4/2021						122		
9/21/2021			2.3	<1				
9/22/2021	5.2	<1			<1	123	94.6	232
2/1/2022	5.4	<1	2	<1	<1	139	99.7	243
8/23/2022	5.66	0.452	2.21	0.521	0.479		385	
8/24/2022						157		268
1/24/2023	3.58	0.465	3.34	0.66	0.484	153	375	267
8/22/2023	6.85	0.526	1.83	0.54	0.467		466	299
8/23/2023						180		
1/30/2024	2.65	0.423	2.74	0.617	0.456	189		
1/31/2024							872	289
8/27/2024	2.58	0.444	2.67	0.652	0.465			
8/28/2024						188	1230	308
2/18/2025	3.07	0.341 (J)	3.16	0.543	0.468			
2/26/2025						206	1580	400
8/26/2025	2.9	0.435	3.13	0.585	0.485			
9/2/2025								499

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
9/3/2025						203	1210	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	260	300		440				
11/17/2016	280							
11/18/2016		170						
11/21/2016				510				
2/22/2017	270							
2/23/2017		330	0.55 (J)	470				
4/17/2017			0.44 (J)					
5/15/2017			0.45 (J)					
6/15/2017	280	310	0.46 (J)	490				
9/28/2017	240	290	0.49 (J)	470				
2/15/2018	266	292	1.9 (O)	432				
6/27/2018	278							
6/28/2018		284	0.24 (J)	453				
12/19/2018	287	319	0.4 (J)					
12/20/2018				463				
1/15/2019					152			
3/19/2019		307						
3/20/2019	268		0.39 (J)	405				
10/16/2019	277		0.29 (J)	432				
10/22/2019					93.2			
12/3/2019		256						
3/5/2020	269	262	<1	370				
6/4/2020							255	
6/19/2020						17		
9/16/2020	270	256	<1					
9/17/2020				356				
3/3/2021		252	<1					
3/4/2021	251			325				
9/22/2021		234						
9/23/2021	258		<1	318				
2/1/2022	256	195		287				
2/2/2022			<1					
8/23/2022			0.307 (J)	389	51		348	
8/24/2022	279	224						
9/1/2022						340		172
1/24/2023	334							
1/25/2023		237	0.325 (J)	291			285	
1/26/2023					75.3	142		147
8/22/2023			0.355 (J)		46.2			
8/23/2023	269	223		274		112		139
8/24/2023							293	
1/30/2024	278				76.9			
1/31/2024		222	0.258 (J)	233		94.4	302	133
8/27/2024			0.279 (J)	233	66.6		294	
8/28/2024	251	201				72.9		128
2/26/2025	266	212	0.348 (J)	199	106	72.2	309	139
9/2/2025			0.273 (J)	190			269	
9/3/2025	241	199			104	63.9		134

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	151	88	138	154				
9/1/2016					299 (O)			
9/7/2016						331	382	
9/8/2016								663
11/15/2016				123	41			
11/16/2016	69	41	77					
11/17/2016						308	382	651
2/20/2017			170	158	133			
2/21/2017	68	<25						
2/22/2017						341	387	706
6/12/2017	161		132	142	61			
6/13/2017		53						
6/14/2017							316	643
6/15/2017						333		
9/26/2017	167	45	108	138	29			
9/27/2017							303	579
9/28/2017						310		
2/13/2018	165	63	141	150	61			
2/15/2018						292	332	612
6/26/2018	188	71	133	154	71			
6/27/2018						353	538	359
12/18/2018	145	78	138	147	70		358	535
12/19/2018						317		
3/19/2019	154	68	130	146	72	303		
3/20/2019							338	517
10/15/2019	140	66	175	144	63			
10/16/2019							281	473
12/3/2019						378		
3/3/2020	155	41	<10	130	54	263		
3/5/2020							292	489
9/15/2020	116	69	100	116	79			
9/16/2020						316	88	392
3/1/2021	98				39			
3/2/2021		43	80	96				
3/3/2021							212	422
3/4/2021						316		
9/21/2021			108	104				
9/22/2021	129	66			62	323	190	406
2/1/2022	126	72	129	124	61	354	209	449
8/23/2022	117	45	107	101	52		614	
8/24/2022						370		452
1/24/2023	93	63	124	104	64	344	615	433
8/22/2023	81	36	80	73	30		778	495
8/23/2023						391		
1/30/2024	98	54	118	113	45	413		
1/31/2024							1420	494
8/27/2024	82	51	107	101	57			
8/28/2024						421	1880	562
2/18/2025	84	44	106	92	46			
2/26/2025						400	2440	609
8/26/2025	89	76	123	115	48			
9/2/2025								890

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
9/3/2025						453	2050	

Time Series

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	486	528		750				
11/17/2016	453							
11/18/2016		524						
11/21/2016				795				
2/22/2017	541							
2/23/2017		517	45	733				
4/17/2017			53					
5/15/2017			48					
6/15/2017	548	566	63	812				
9/28/2017	487	475	39	690				
2/15/2018	500	513	54	722				
6/27/2018	347							
6/28/2018		499	59	704				
12/19/2018	489	521	68					
12/20/2018				642				
1/15/2019					284			
3/19/2019		498						
3/20/2019	501		68	615				
10/16/2019	481		49	630				
10/22/2019					203			
12/3/2019		498						
3/5/2020	535	457	39	608				
6/4/2020							569	
6/19/2020						140		
9/16/2020	474	463	31					
9/17/2020				587				
3/3/2021		442	33					
3/4/2021	480			540				
9/22/2021		457						
9/23/2021	511		49	528				
2/1/2022	521	441		560				
2/2/2022			46					
8/23/2022			40	568	130		543	
8/24/2022	507	418						
9/1/2022						754		321
1/24/2023	507							
1/25/2023		418	28	484		443	517	
1/26/2023					148			272
8/22/2023			42		112			
8/23/2023	485	398		459		372		252
8/24/2023							499	
1/30/2024	502				161			
1/31/2024		435	37	393		342	547	252
8/27/2024			40	370	140		521	
8/28/2024	479	389				303		259
2/26/2025	490	375	23	329	208	276	512	258
9/2/2025			44	348			558	
9/3/2025	505	394			223	311		261

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/31/2016	<0.002	<0.002	<0.002	<0.002				
9/1/2016					<0.002			
9/7/2016						<0.002	0.0002 (J)	
9/8/2016								<0.002
11/15/2016				<0.002	<0.002			
11/16/2016	<0.002	<0.002	<0.002					
11/17/2016						<0.002	0.0002 (J)	<0.002
2/20/2017			<0.002	<0.002	<0.002			
2/21/2017	<0.002	<0.002						
2/22/2017						<0.002	0.0002 (J)	<0.002
6/12/2017	<0.002		<0.002	<0.002	<0.002			
6/13/2017		<0.002						
6/14/2017							0.0002 (J)	<0.002
6/15/2017						<0.002		
9/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002			
9/27/2017							0.0002 (J)	<0.002
9/28/2017						<0.002		
2/13/2018	<0.002	<0.002	<0.002	<0.002	<0.002			
2/15/2018						<0.002	0.00024 (J)	<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002			
6/27/2018						<0.002	0.00022 (J)	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002		0.00022 (J)	<0.002
12/19/2018						<0.002		
8/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002		0.00016 (J)	
8/28/2019						<0.002		<0.002
10/15/2019	<0.002	<0.002	<0.002	<0.002	<0.002			
10/16/2019							0.00019 (J)	<0.002
12/3/2019						6.6E-05 (J)		
3/3/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
3/5/2020							0.0002 (J)	<0.002
8/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002			
8/19/2020						<0.002	0.00018 (J)	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	<0.002			
9/16/2020						<0.002	0.00018 (J)	<0.002
3/1/2021	<0.002				<0.002			
3/2/2021		<0.002	<0.002	<0.002				
3/3/2021							0.00018 (J)	<0.002
3/4/2021						<0.002		
9/21/2021			<0.002	<0.002				
9/22/2021	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
2/1/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/23/2022	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
8/24/2022						<0.002		<0.002
1/24/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/22/2023	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
8/23/2023						<0.002		
1/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/31/2024							<0.002	<0.002
8/27/2024	<0.002	<0.002	<0.002	<0.002	<0.002			
8/28/2024						<0.002	<0.002	<0.002
2/18/2025	<0.002	<0.002	<0.002	<0.002	<0.002			
2/26/2025						<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWC-17S	BRGWC-33S	BRGWC-34S
8/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002			
9/2/2025								<0.002
9/3/2025						<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/22/2025 11:25 AM

Plant Branch Client: Southern Company Data: Branch Pond E

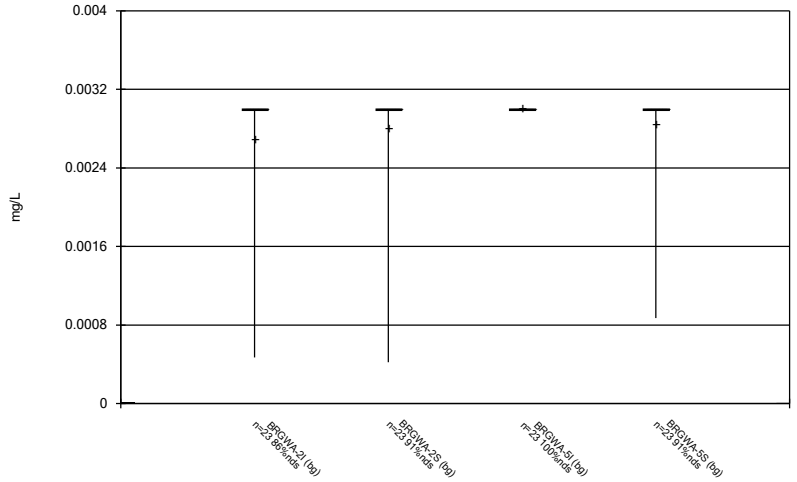
	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	<0.002	<0.002		<0.002				
11/17/2016	<0.002							
11/18/2016		<0.002						
11/21/2016				0.0004 (J)				
2/22/2017	<0.002							
2/23/2017		<0.002	<0.002	0.0003 (J)				
4/17/2017			<0.002					
5/15/2017			<0.002					
6/15/2017	<0.002	<0.002	<0.002	0.0003 (J)				
9/28/2017	<0.002	<0.002	<0.002	0.0003 (J)				
2/15/2018	<0.002	<0.002	<0.002	0.00026 (J)				
6/27/2018	<0.002							
6/28/2018		<0.002	<0.002	0.00018 (J)				
12/19/2018	<0.002	<0.002	<0.002					
12/20/2018				0.00023 (J)				
1/15/2019					<0.002			
8/28/2019	<0.002	<0.002	<0.002					
8/29/2019				0.00021 (J)				
10/16/2019	<0.002		<0.002	0.0002 (J)				
10/22/2019					<0.002			
12/3/2019		<0.002						
3/5/2020	<0.002	<0.002	<0.002	0.0002 (J)				
8/19/2020	<0.002	<0.002	<0.002	0.00019 (J)				
9/16/2020	<0.002	<0.002	<0.002					
9/17/2020				0.00017 (J)				
3/3/2021		<0.002	<0.002					
3/4/2021	<0.002			<0.002				
9/22/2021		<0.002						
9/23/2021	<0.002		<0.002	0.00022 (J)				
2/1/2022	<0.002	<0.002		<0.002				
2/2/2022			<0.002					
8/23/2022			<0.002	<0.002	<0.002		<0.002	
8/24/2022	<0.002	<0.002						
9/1/2022								<0.002
1/24/2023	<0.002							
1/25/2023		<0.002	<0.002	<0.002		<0.002	<0.002	
1/26/2023					<0.002			<0.002
8/22/2023			<0.002		<0.002			
8/23/2023	<0.002	<0.002		<0.002		<0.002		<0.002
8/24/2023							<0.002	
1/30/2024	<0.002				<0.002			
1/31/2024		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
8/27/2024			<0.002	<0.002	<0.002		<0.002	
8/28/2024	<0.002	<0.002				<0.002		<0.002
2/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/2/2025			<0.002	<0.002			<0.002	
9/3/2025	<0.002	<0.002			<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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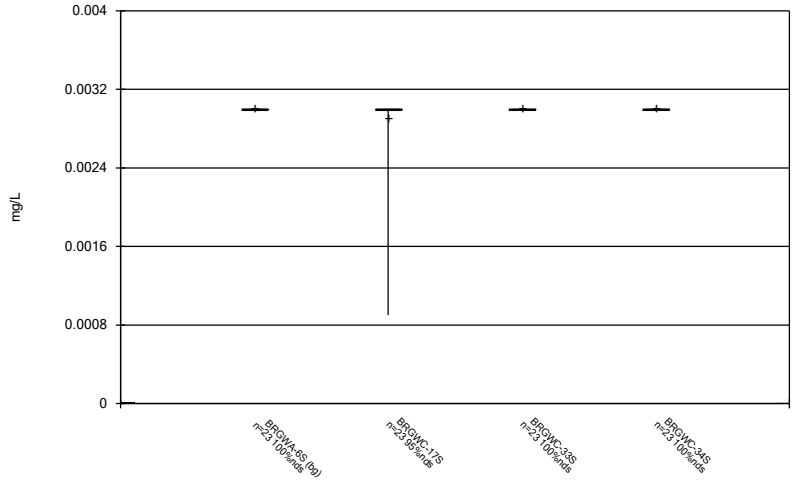
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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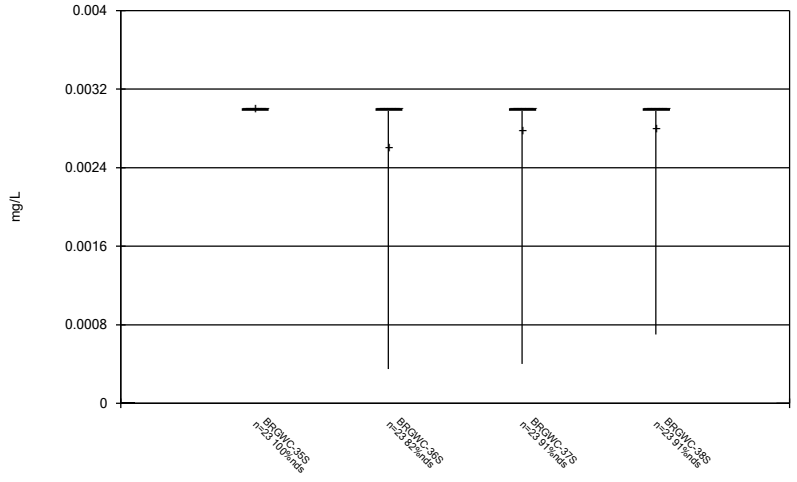
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

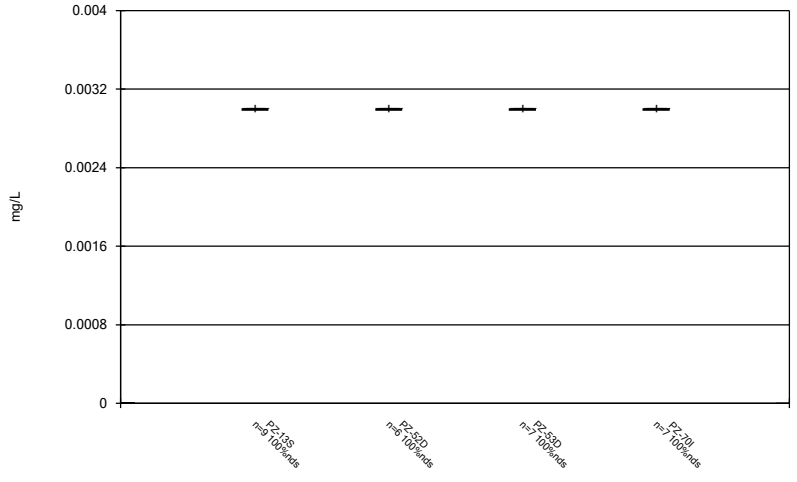
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

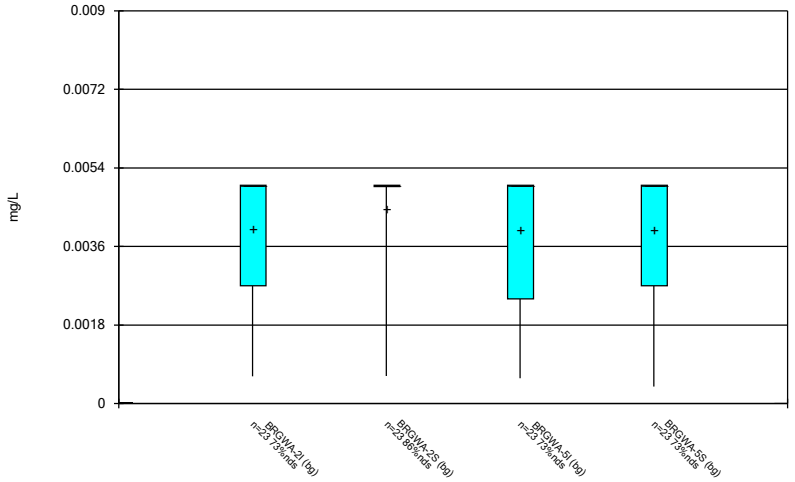
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

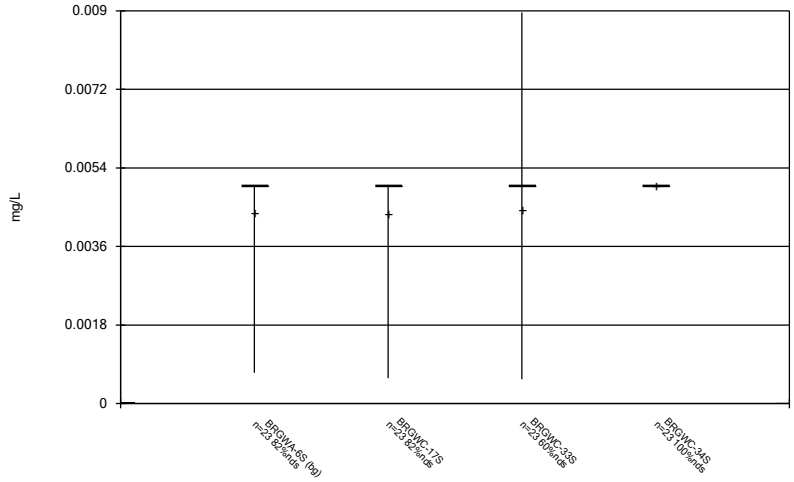
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

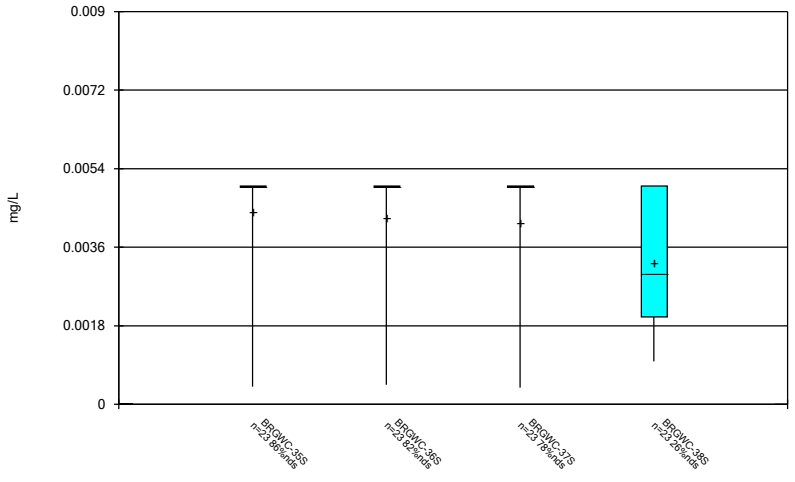
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

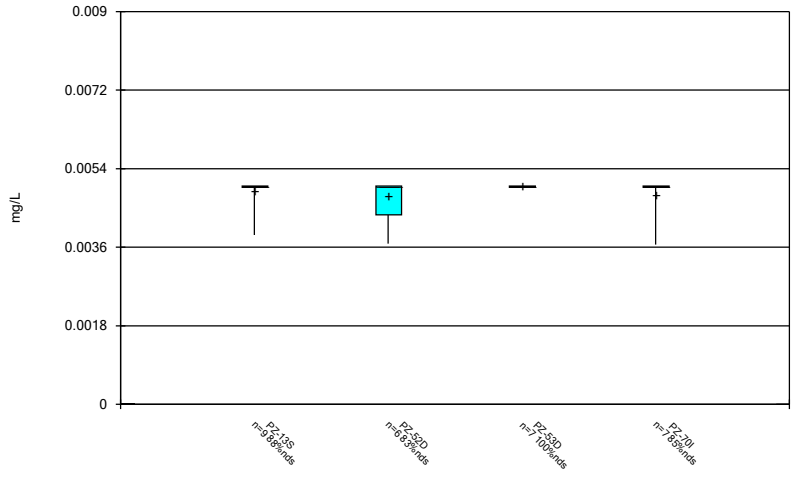
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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

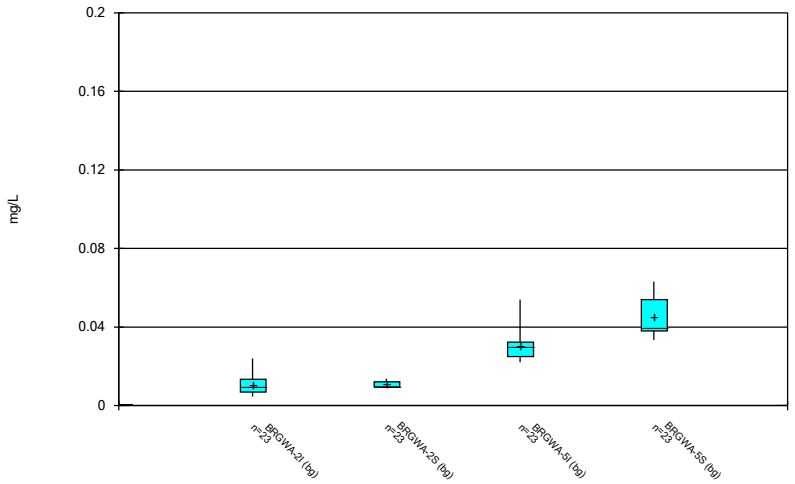
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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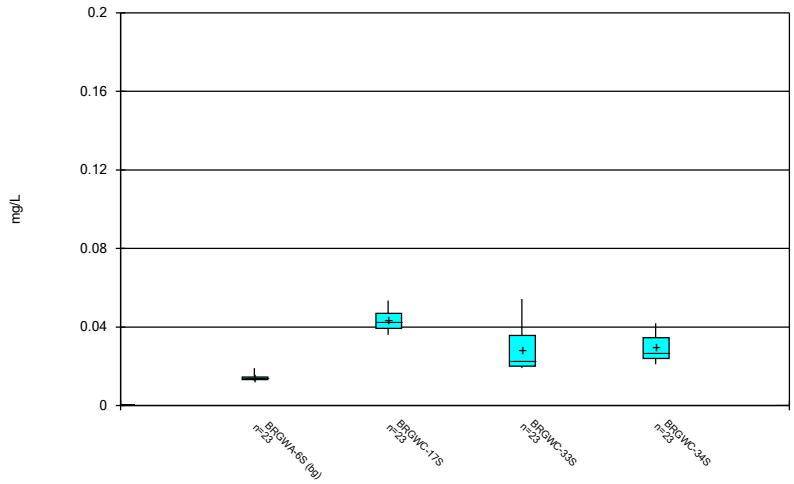
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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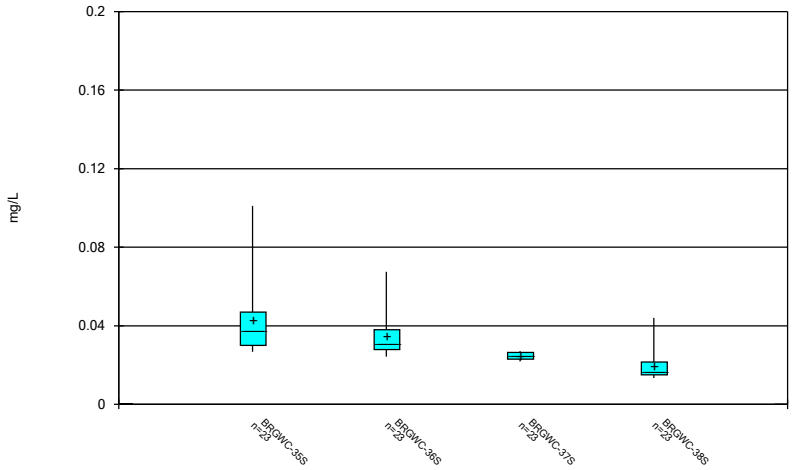
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

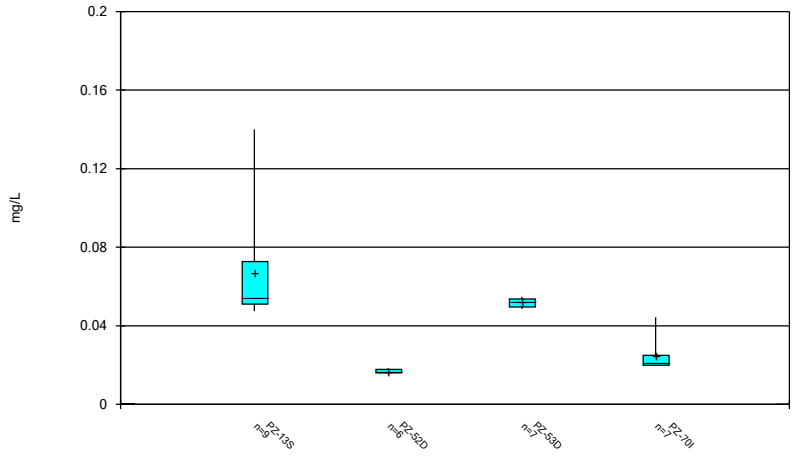
Box & Whiskers Plot



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Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

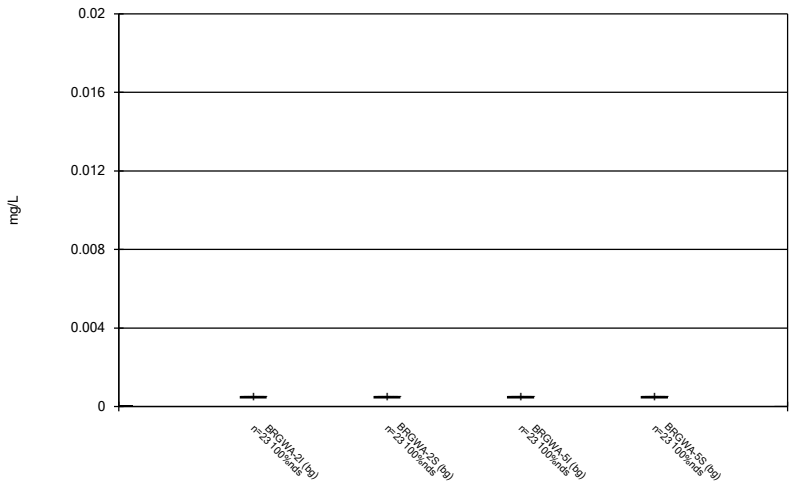
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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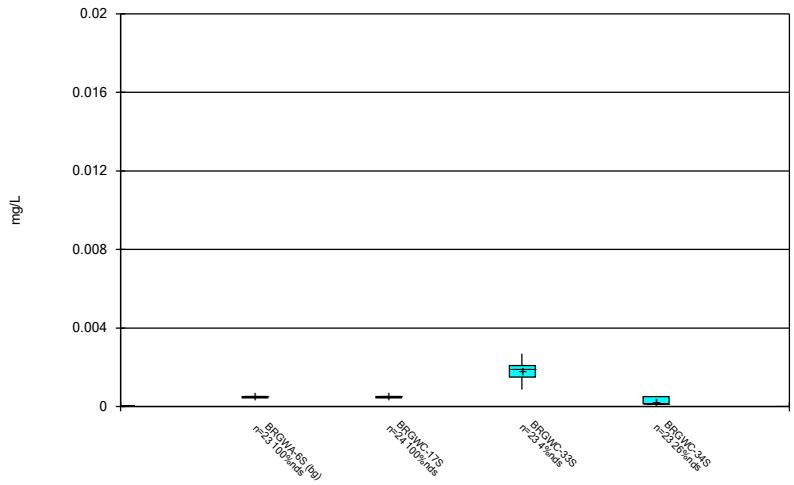
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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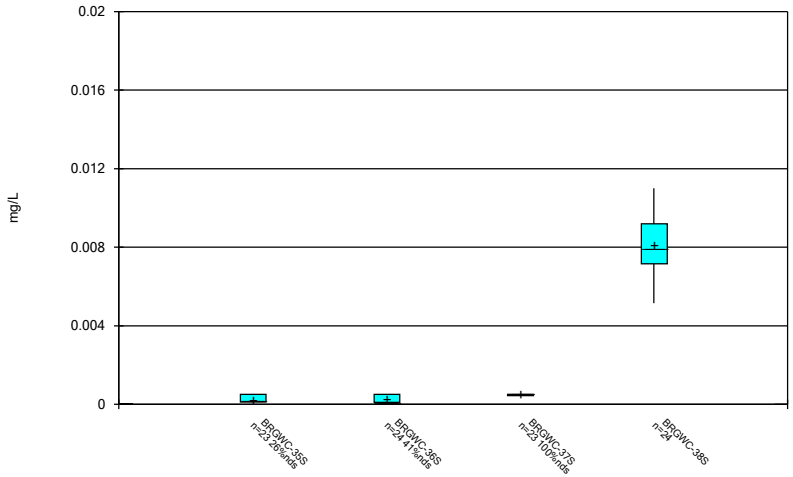
Box & Whiskers Plot



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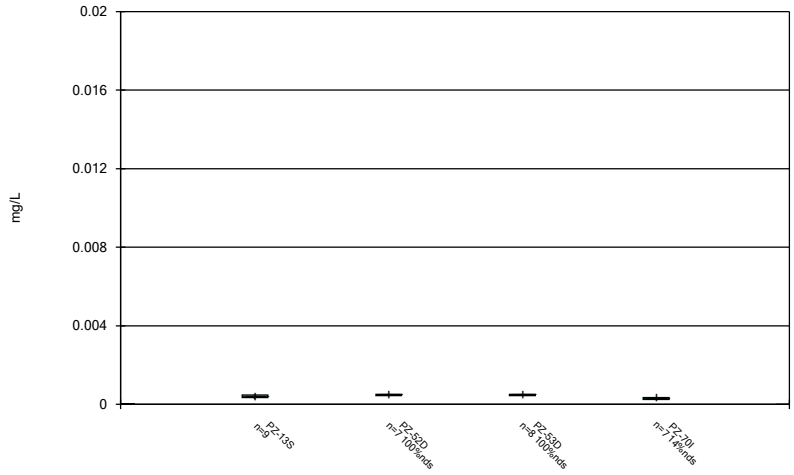
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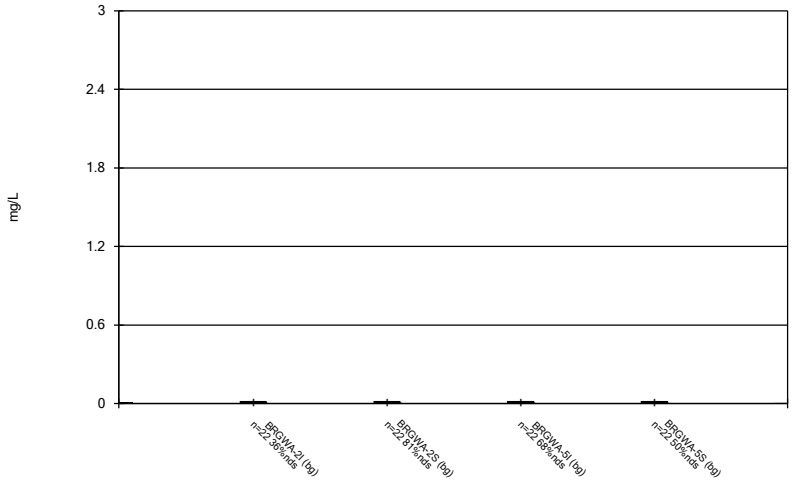
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

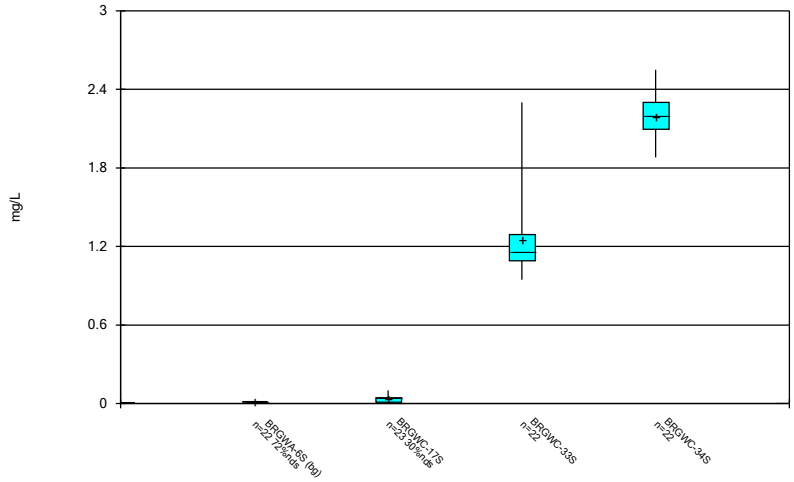


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Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

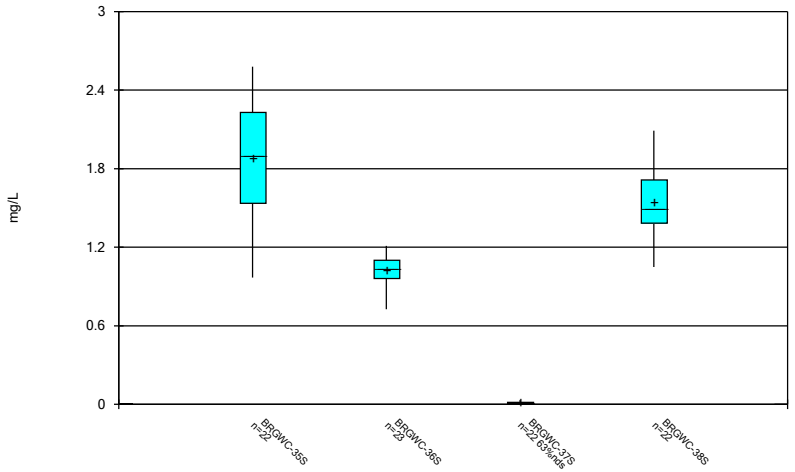


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Box & Whiskers Plot

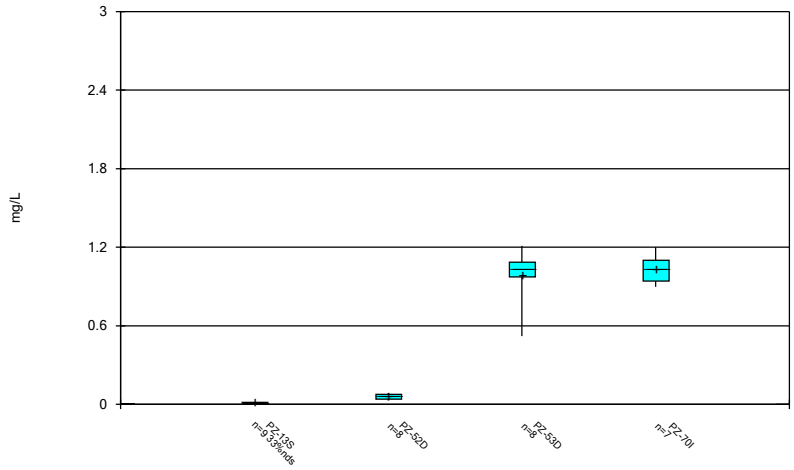


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Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

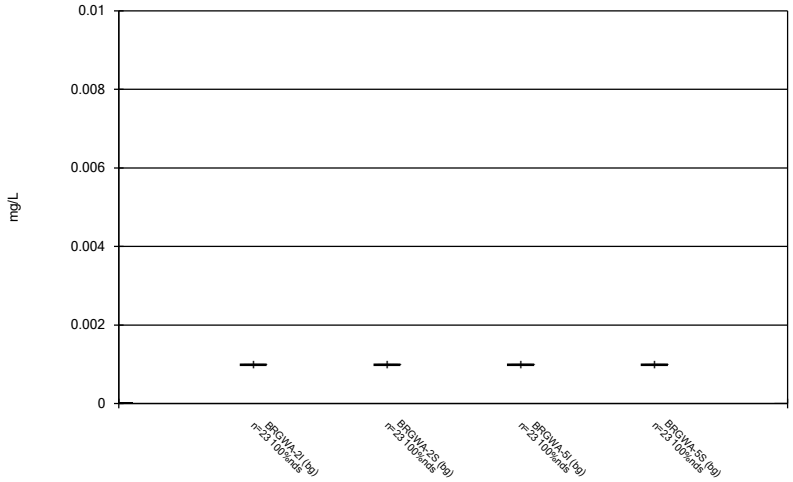


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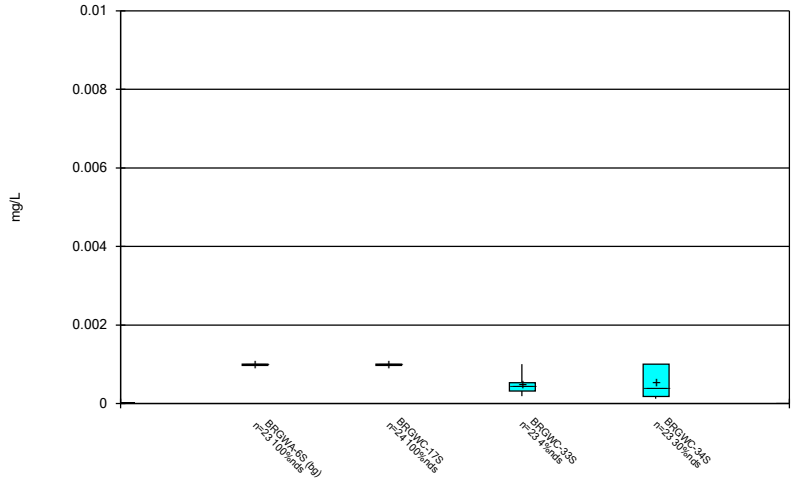
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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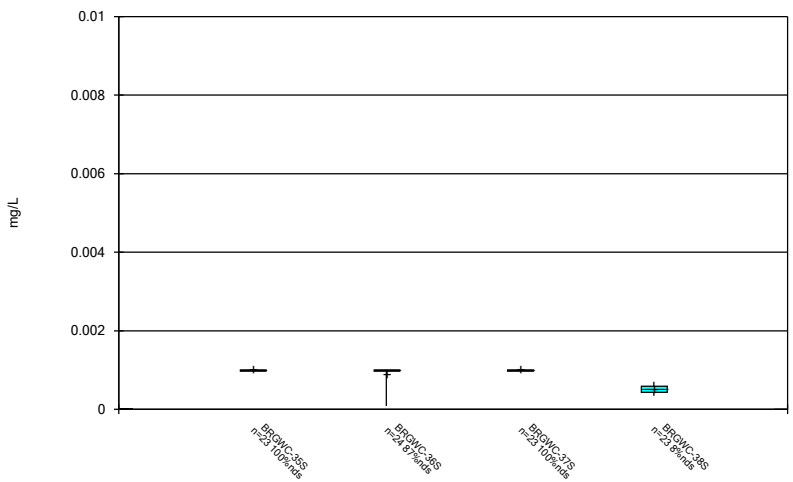
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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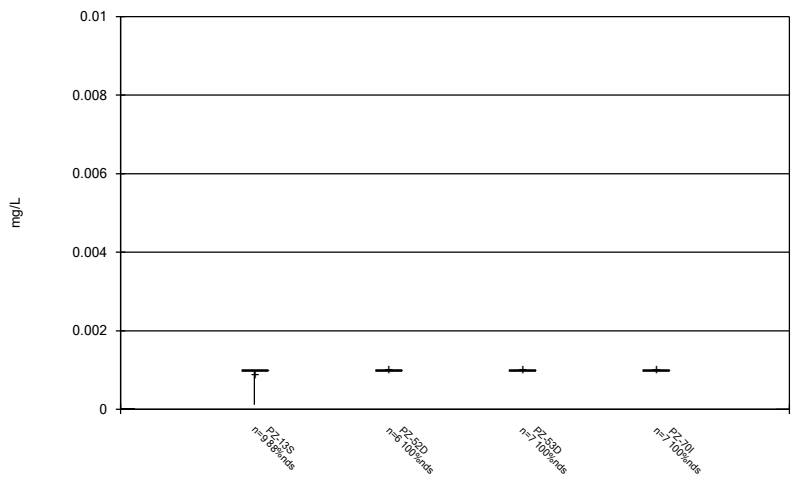
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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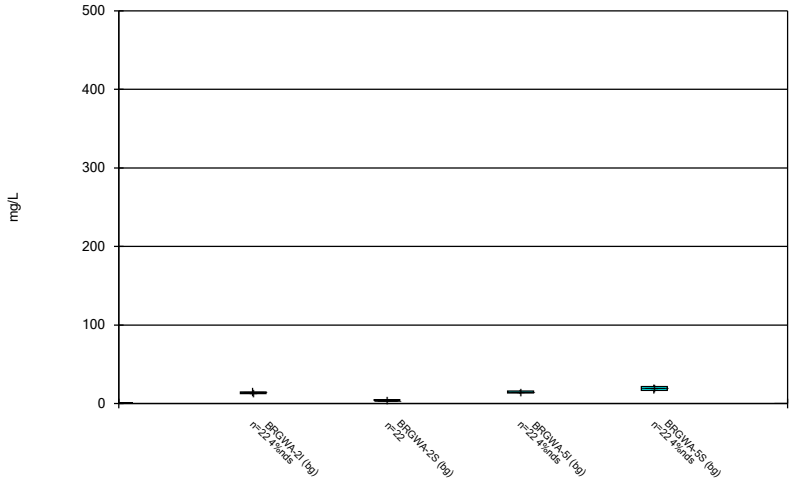
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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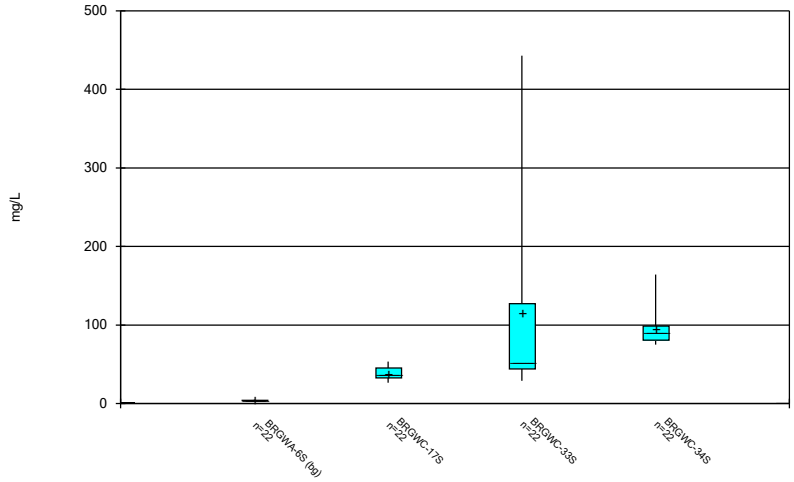
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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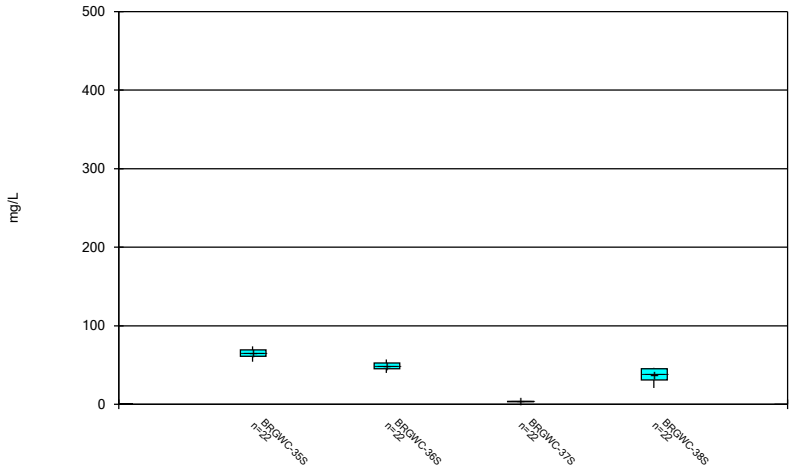
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

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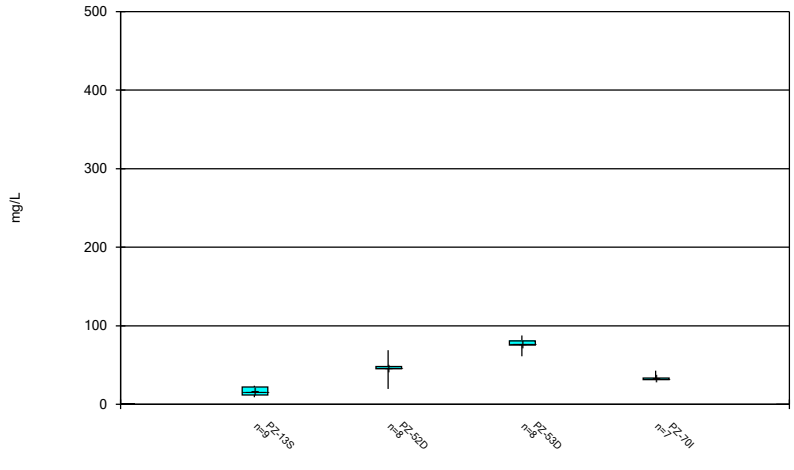
Box & Whiskers Plot



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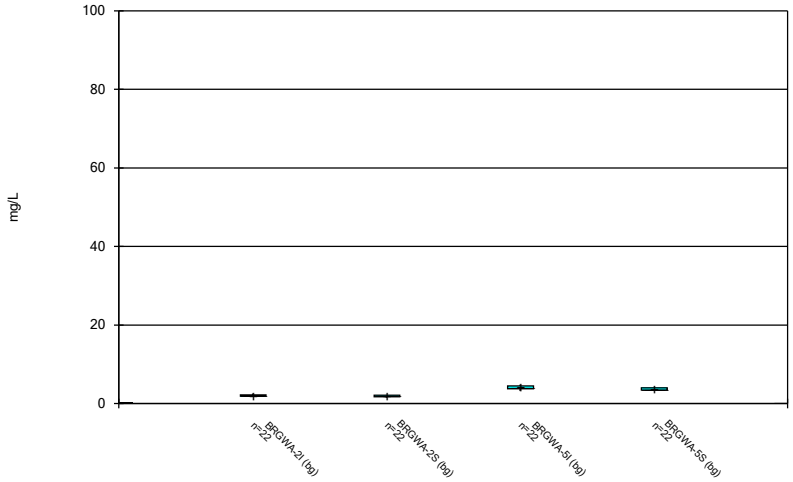
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

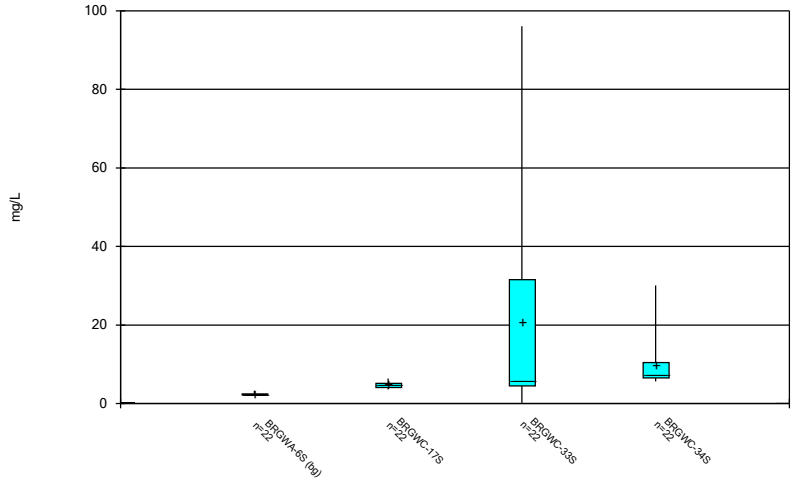
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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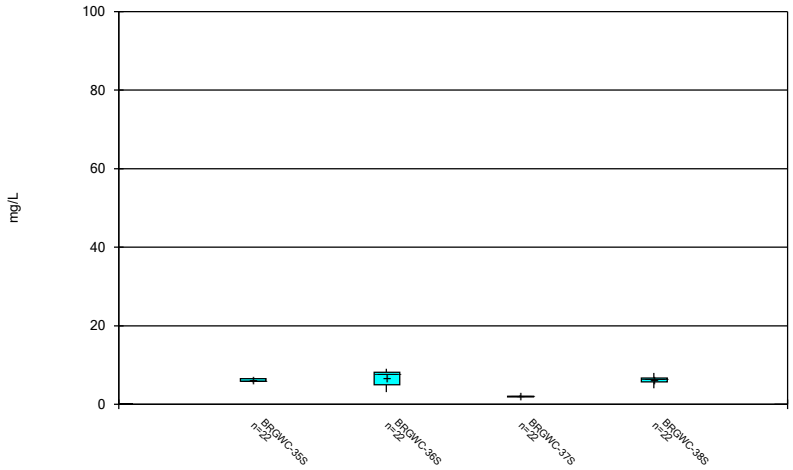
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

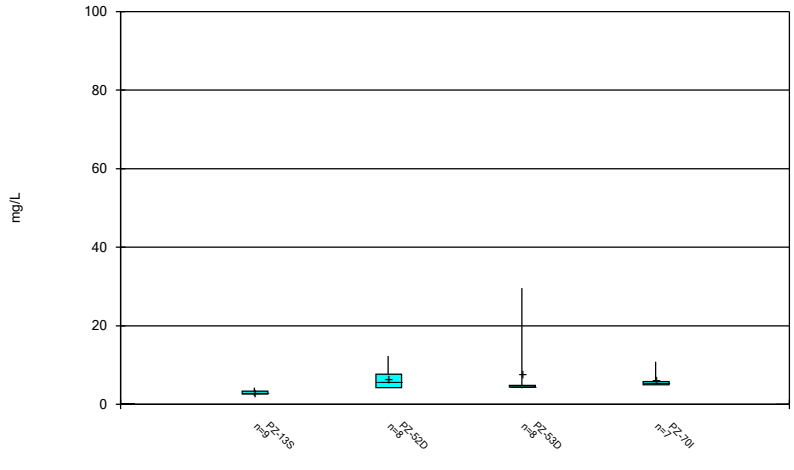
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/22/2025 11:38 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

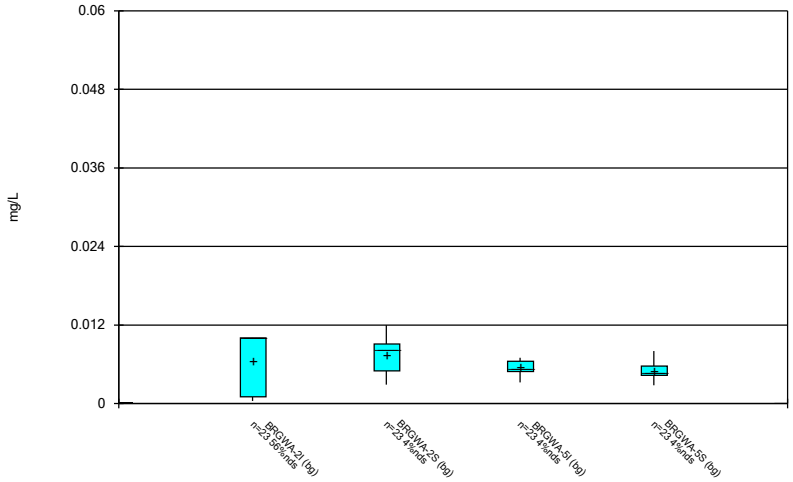
Box & Whiskers Plot



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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

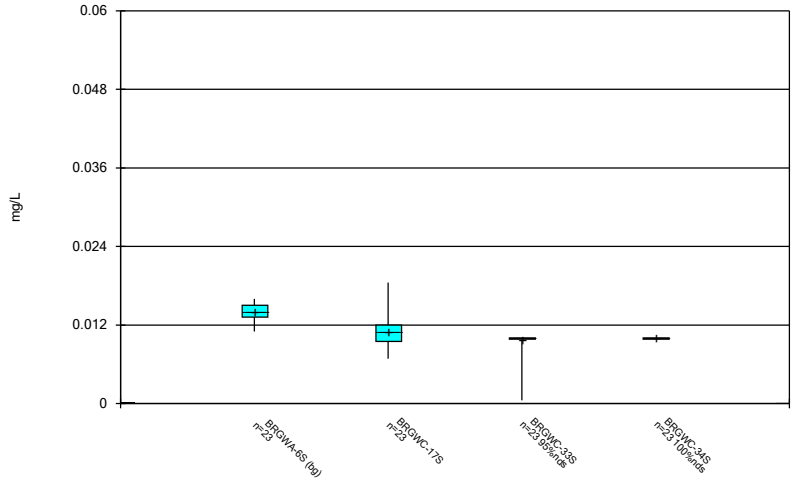
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

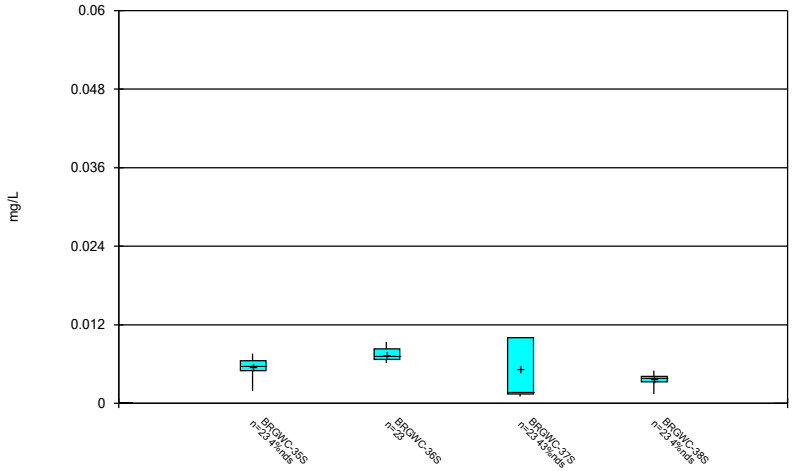
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

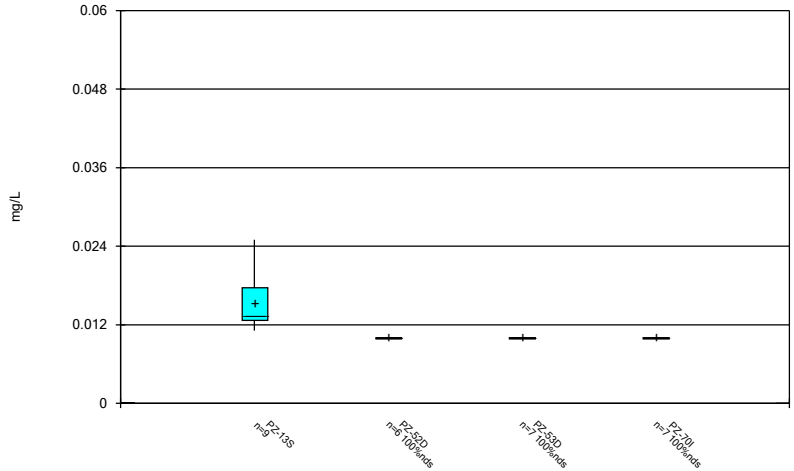
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

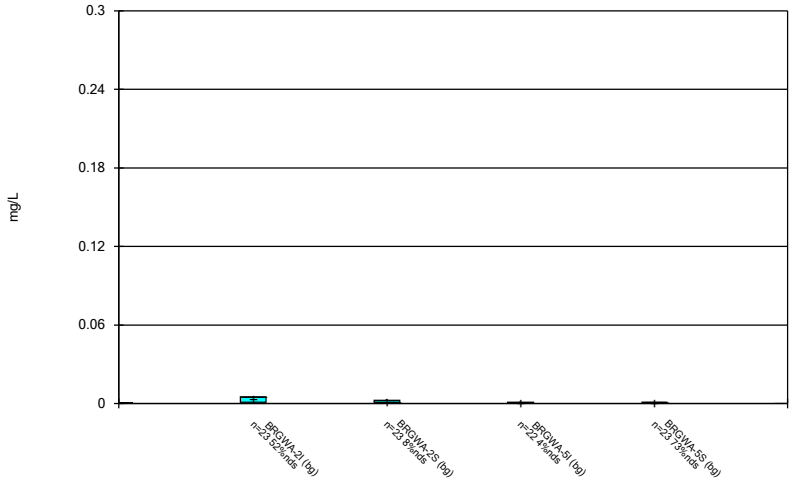
Box & Whiskers Plot



Constituent: Chromium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

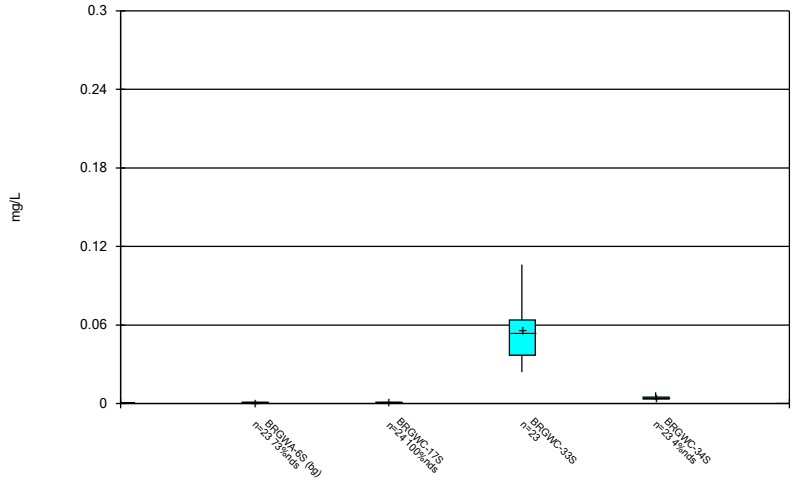


Constituent: Cobalt Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

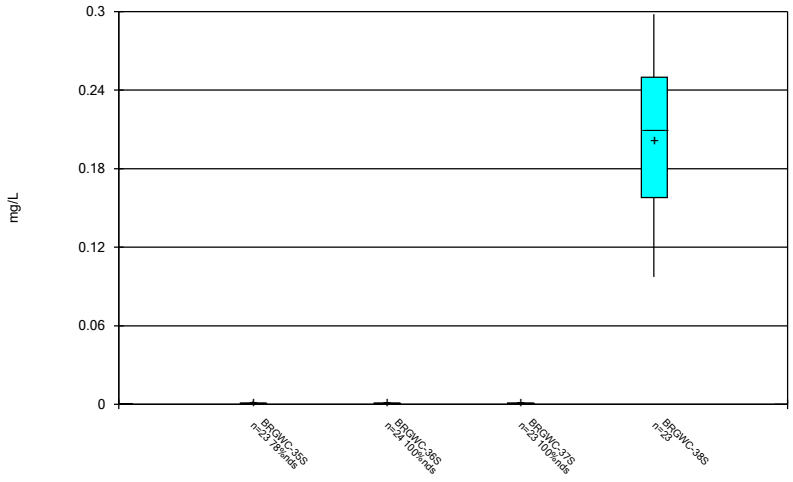


Constituent: Cobalt Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

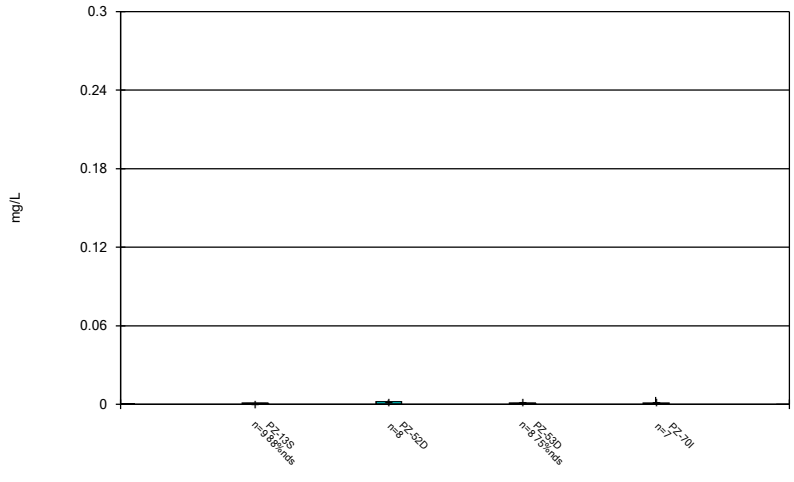


Constituent: Cobalt Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

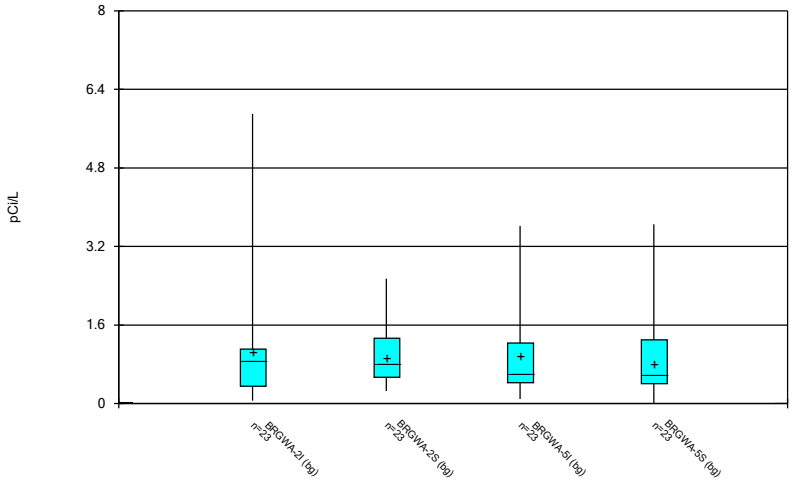


Constituent: Cobalt Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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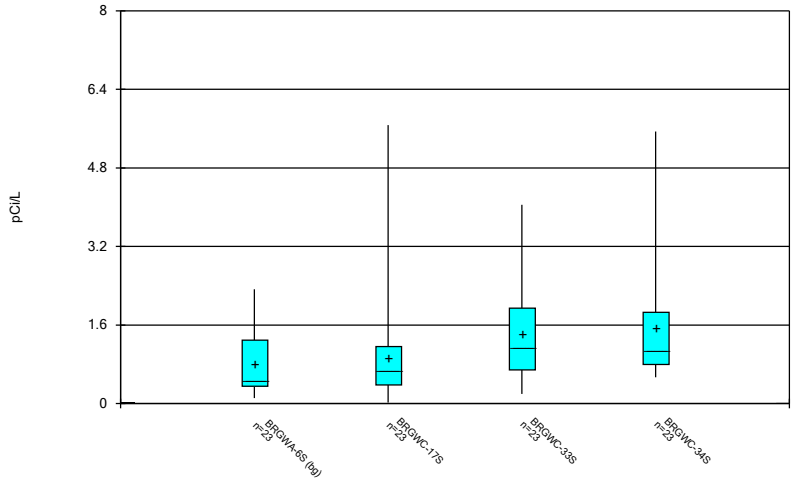
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

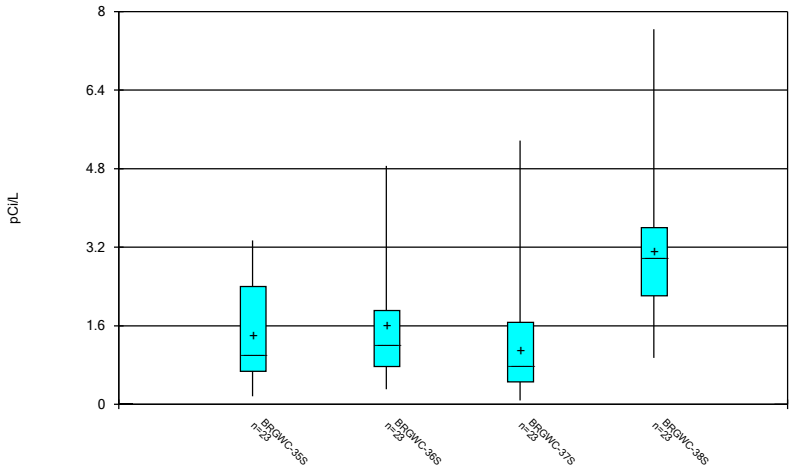
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

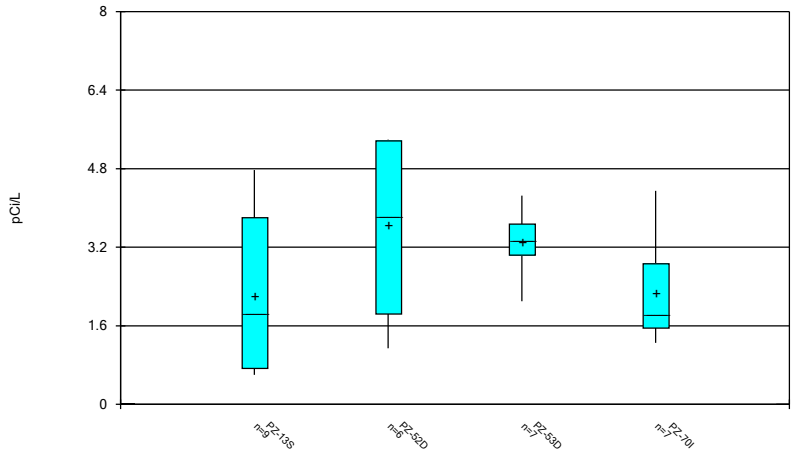
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

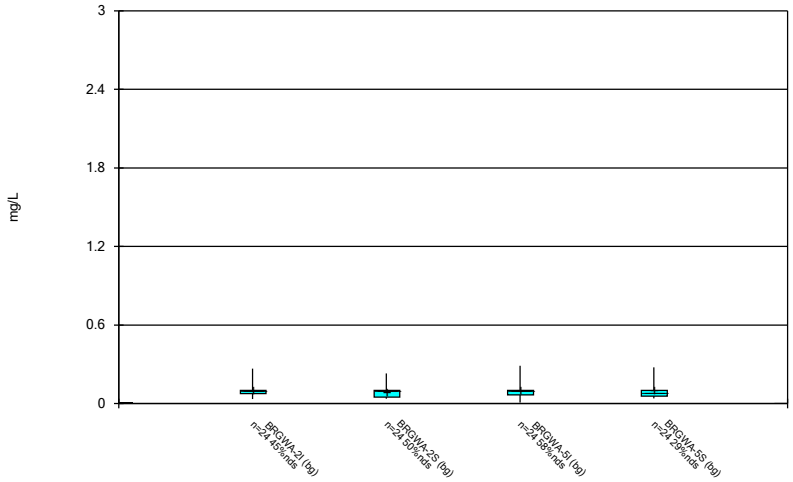
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

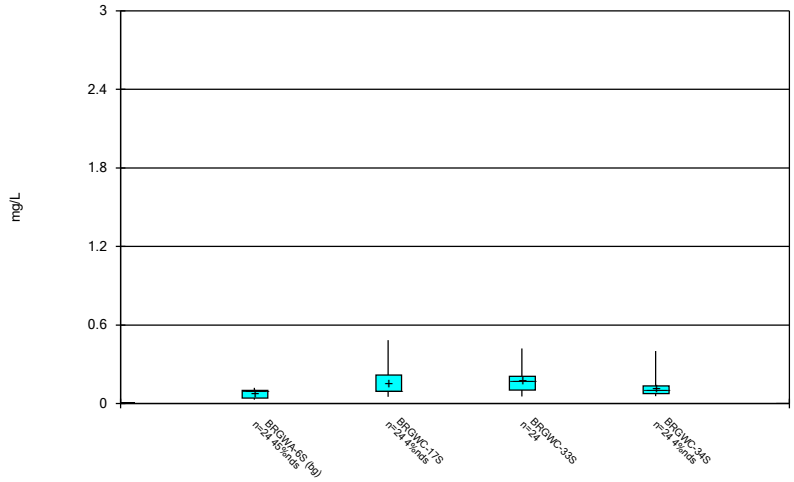


Constituent: Fluoride Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

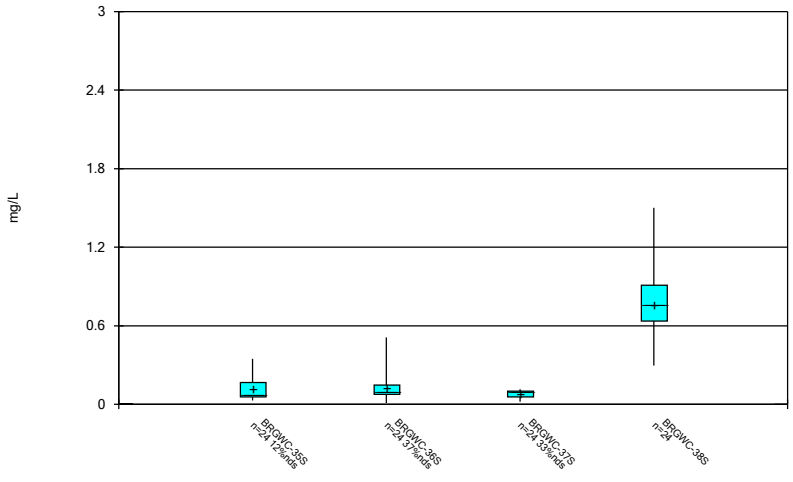


Constituent: Fluoride Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

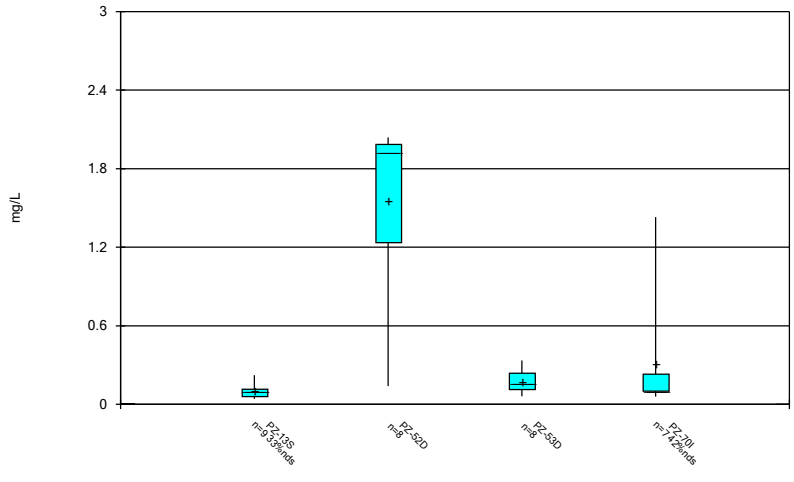


Constituent: Fluoride Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

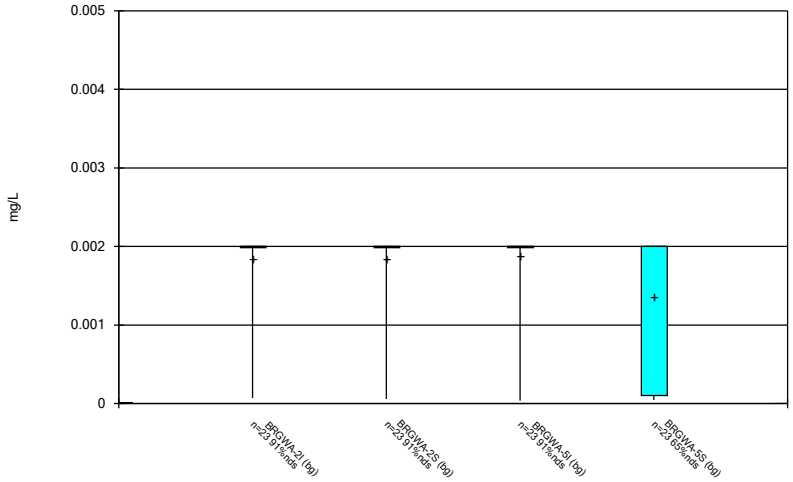


Constituent: Fluoride Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

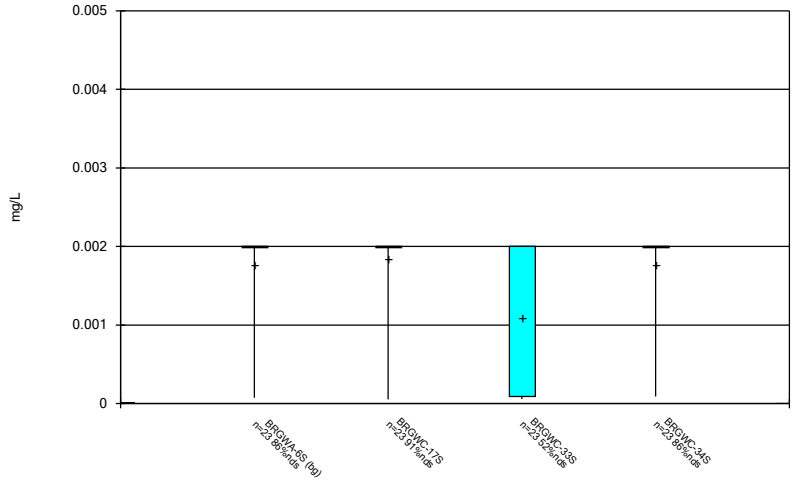


Constituent: Lead Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

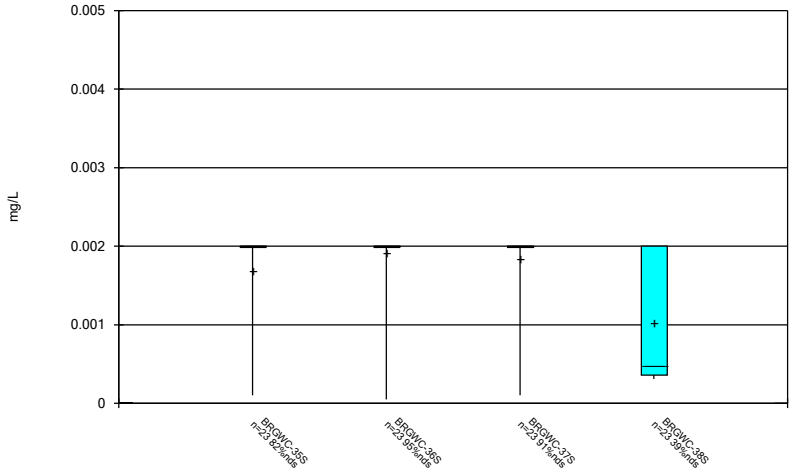


Constituent: Lead Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

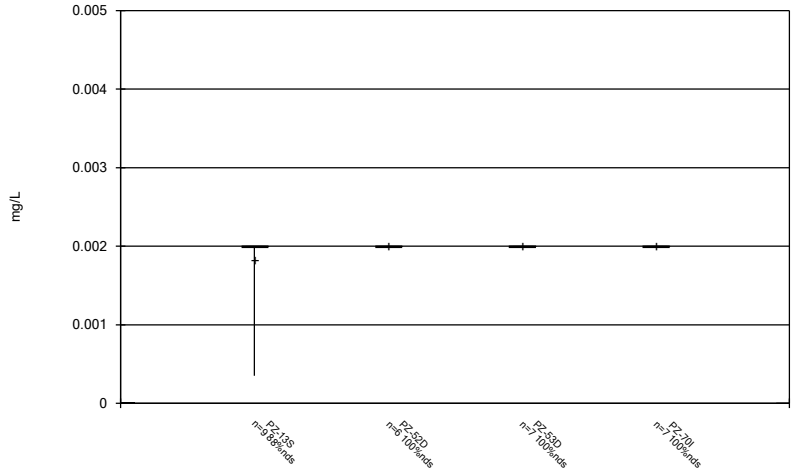


Constituent: Lead Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

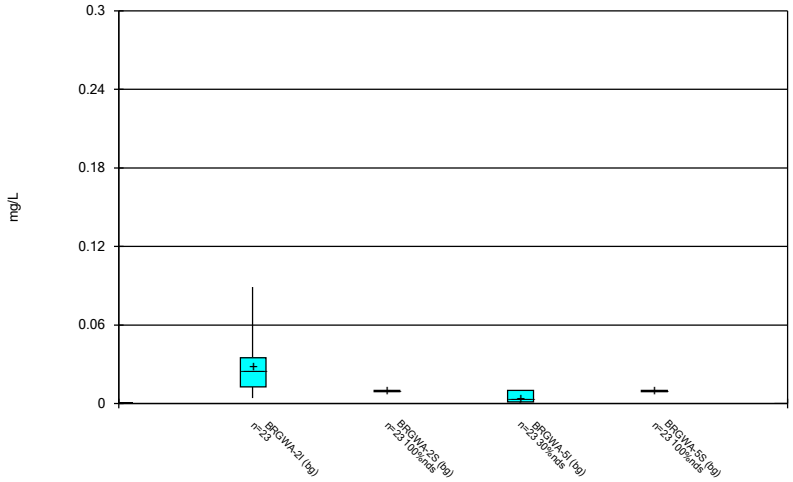


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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

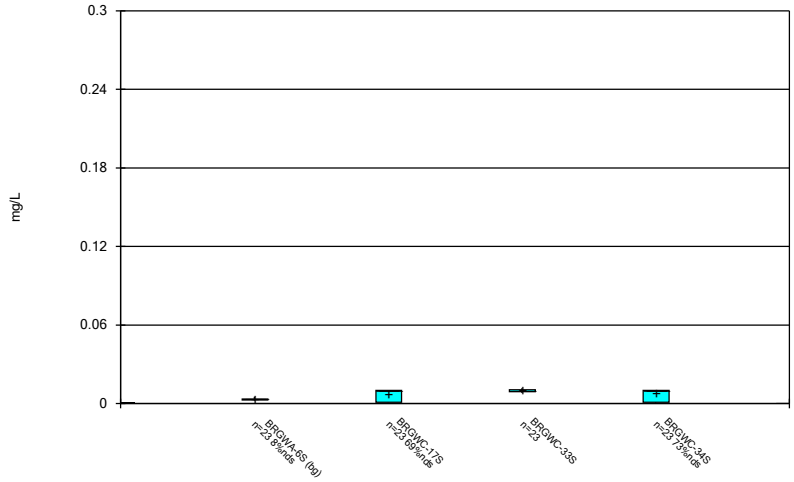
Box & Whiskers Plot



Constituent: Lithium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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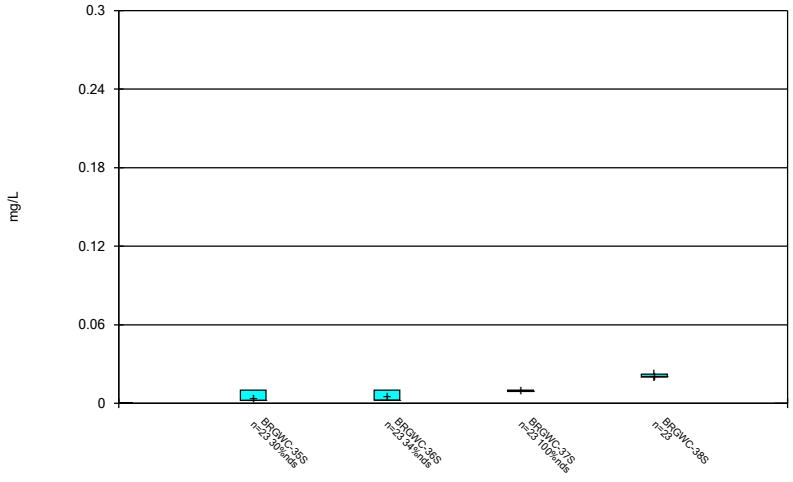
Box & Whiskers Plot



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Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

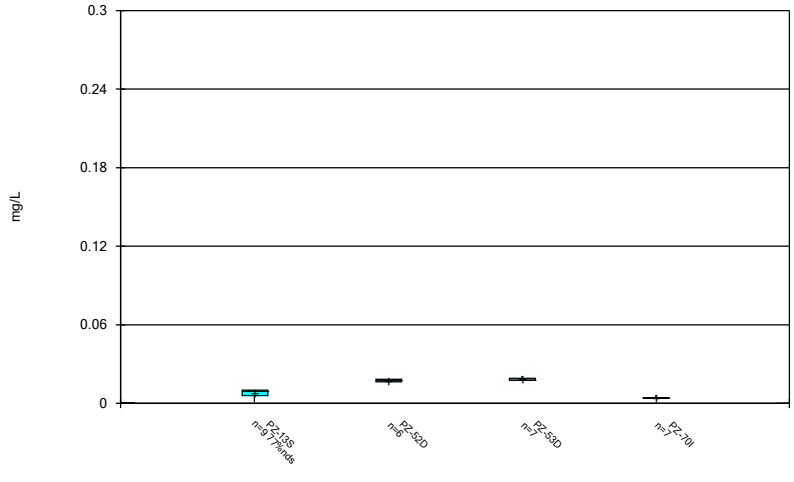
Box & Whiskers Plot



Constituent: Lithium Analysis Run 10/22/2025 11:39 AM
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Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

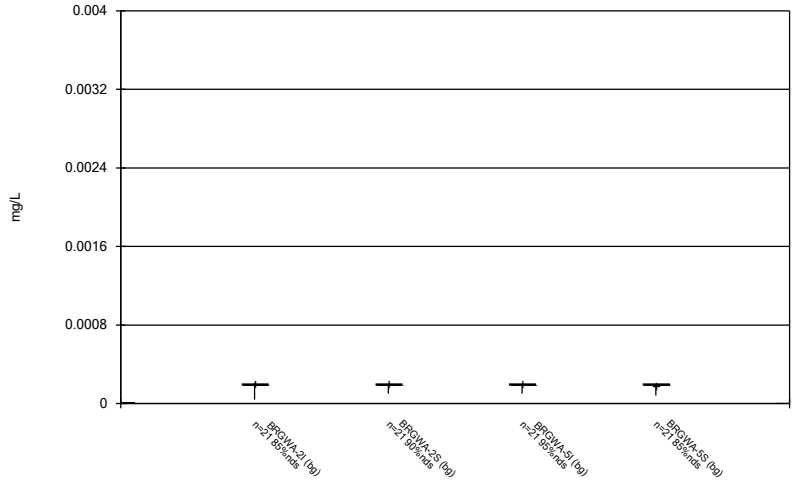
Box & Whiskers Plot



Constituent: Lithium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

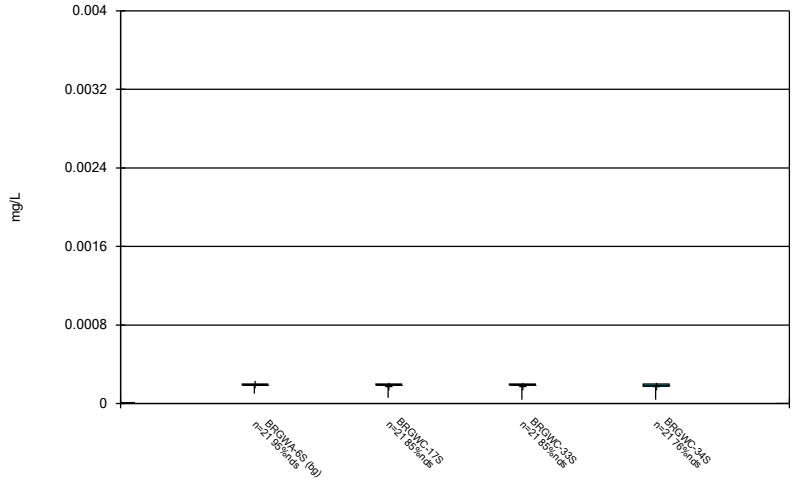


Constituent: Mercury Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

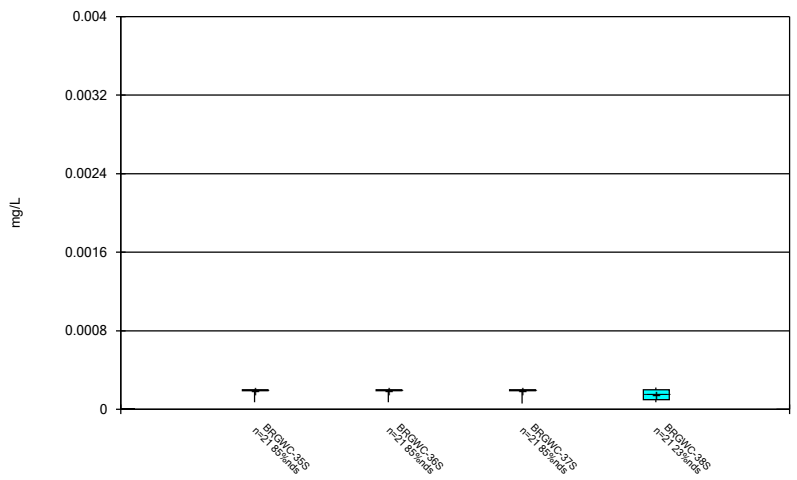


Constituent: Mercury Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

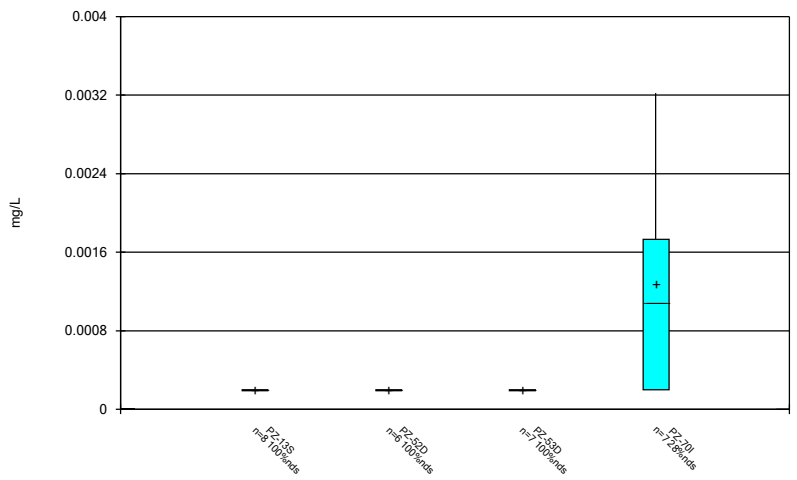


Constituent: Mercury Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

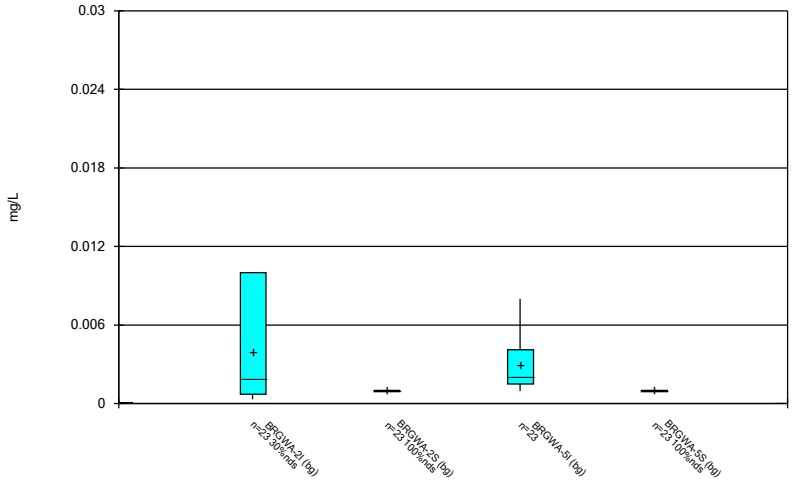


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Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

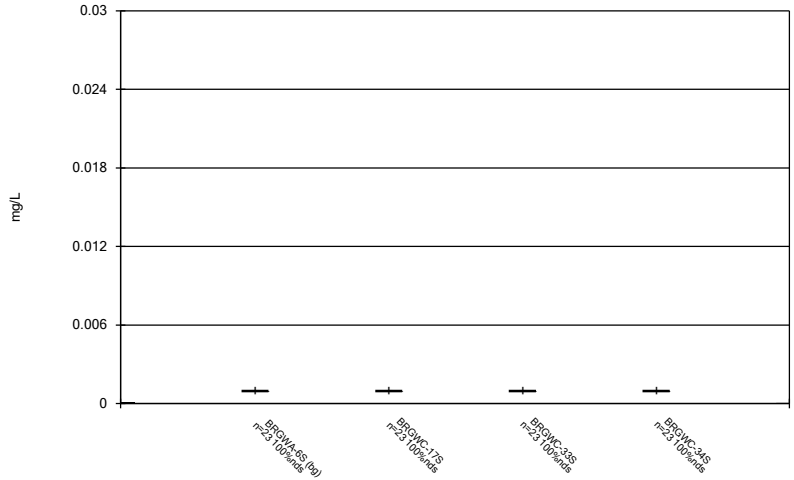
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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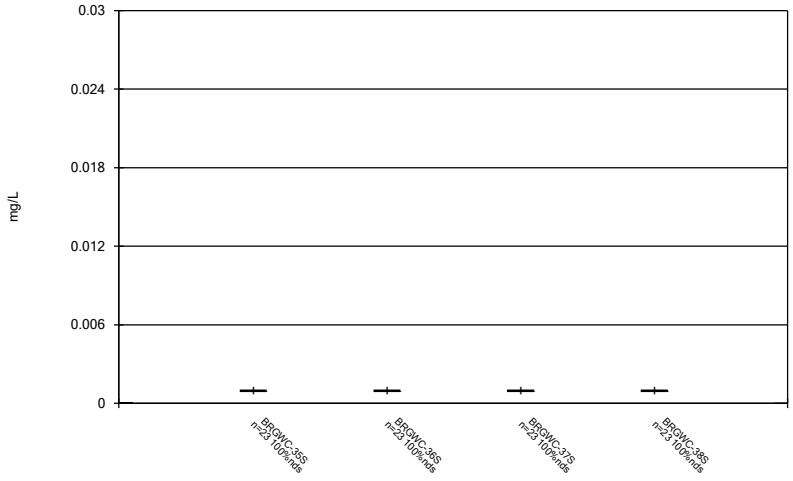
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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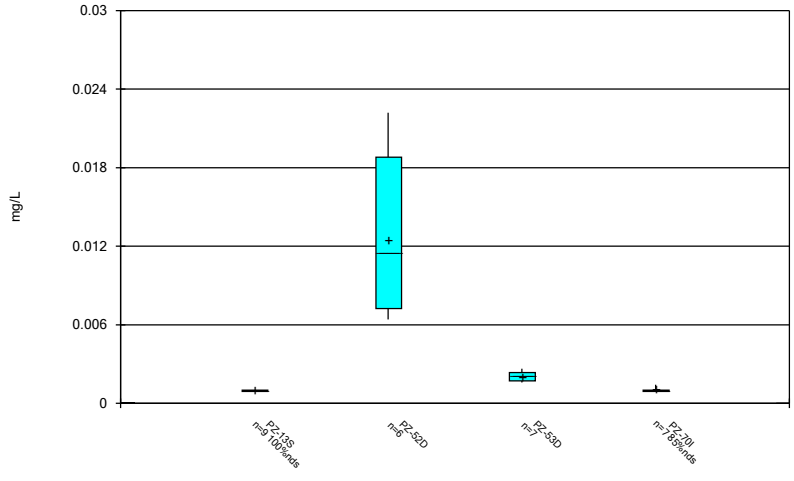
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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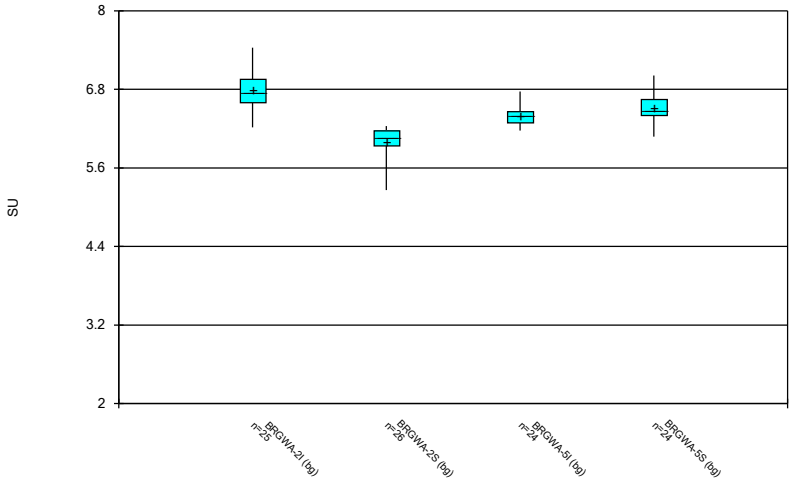
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

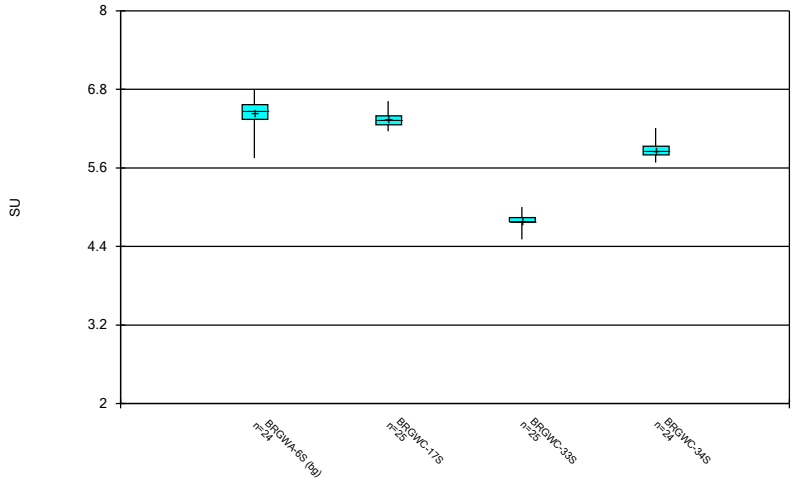


Constituent: pH, Field Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

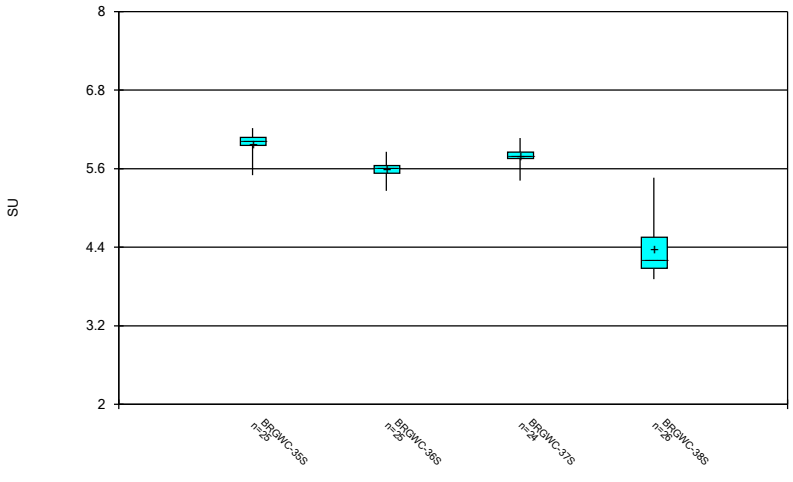


Constituent: pH, Field Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

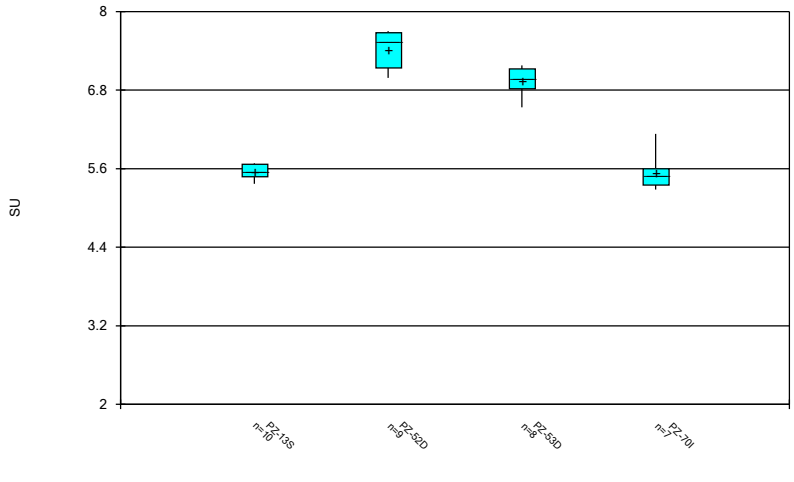


Constituent: pH, Field Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

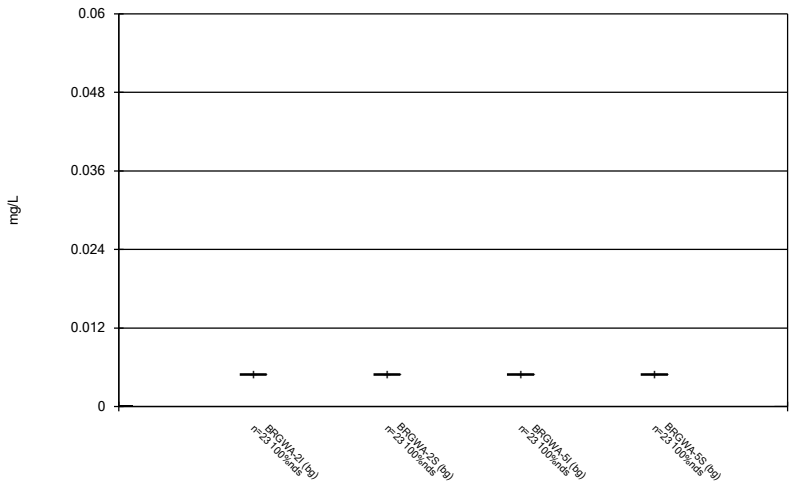


Constituent: pH, Field Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

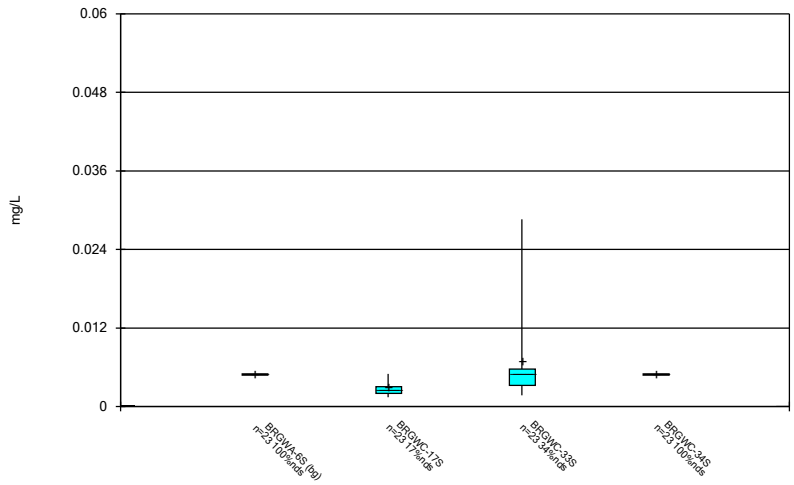


Constituent: Selenium Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

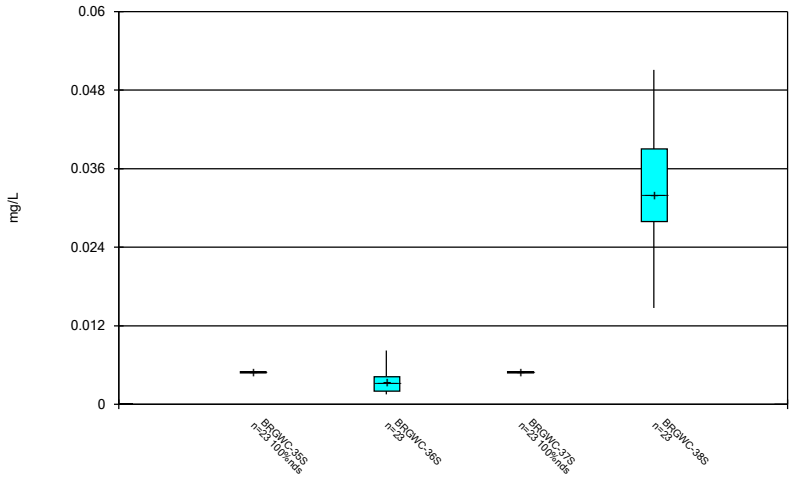


Constituent: Selenium Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

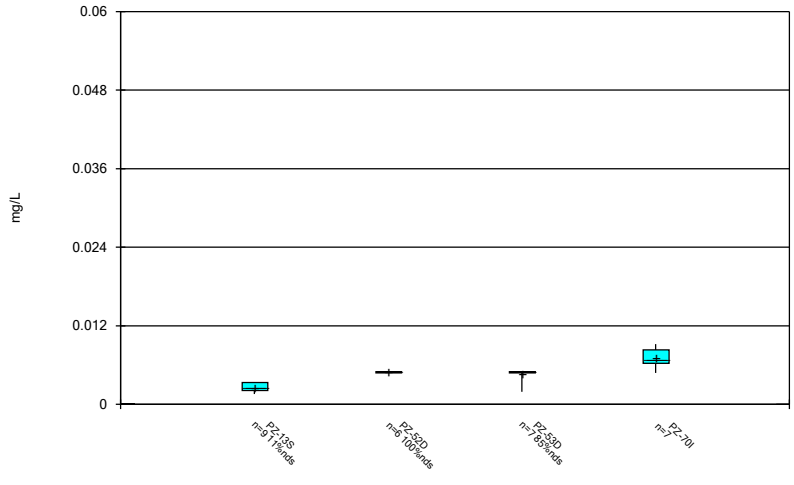


Constituent: Selenium Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

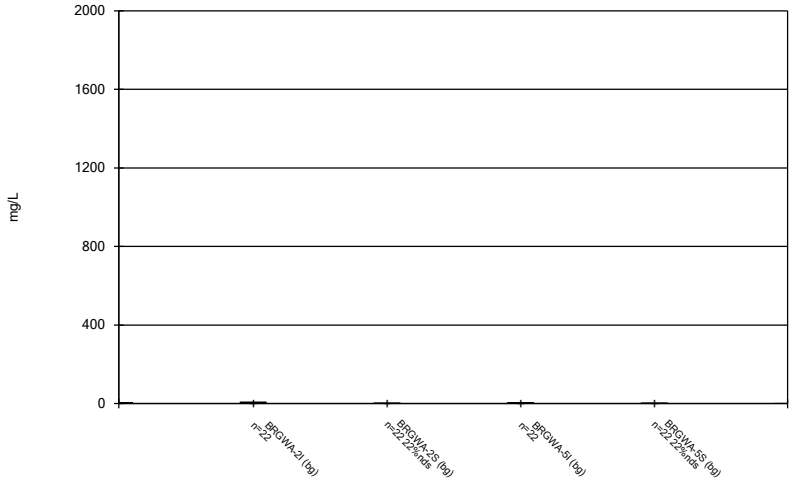


Constituent: Selenium Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

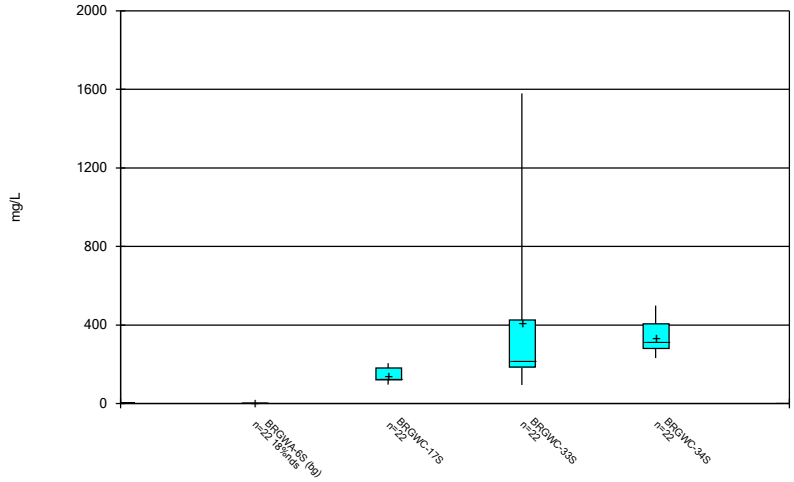


Constituent: Sulfate Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

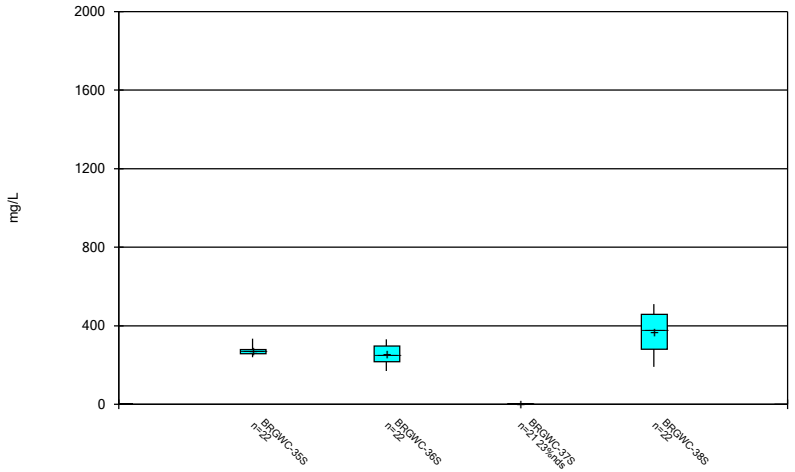


Constituent: Sulfate Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

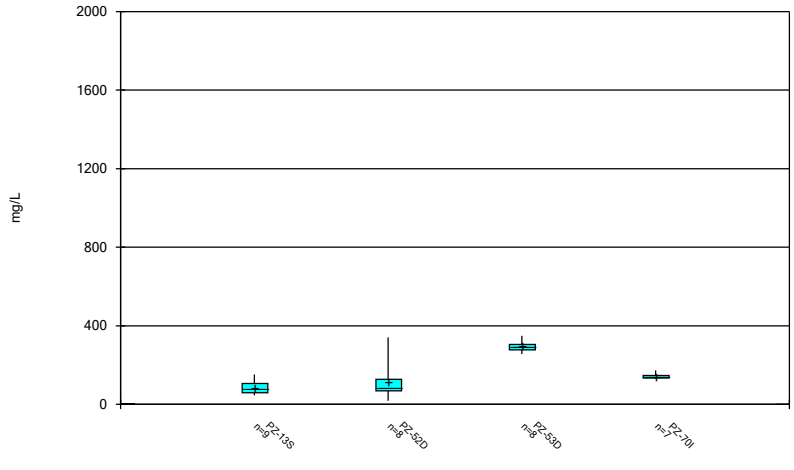


Constituent: Sulfate Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

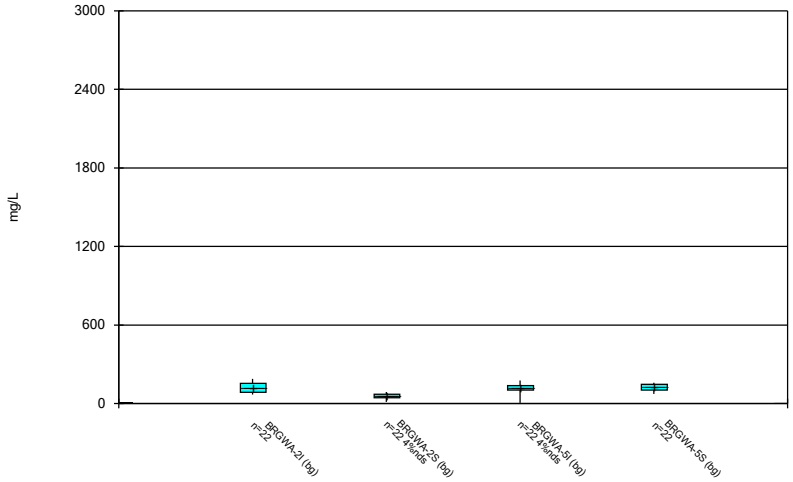


Constituent: Sulfate Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

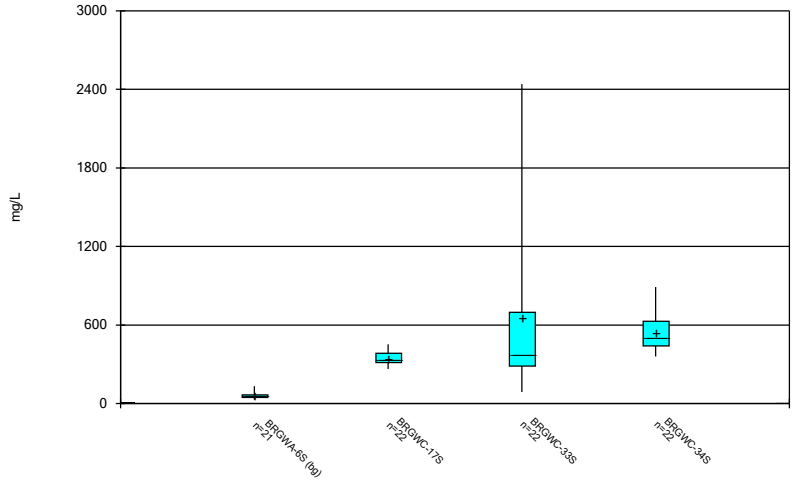


Constituent: TDS Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

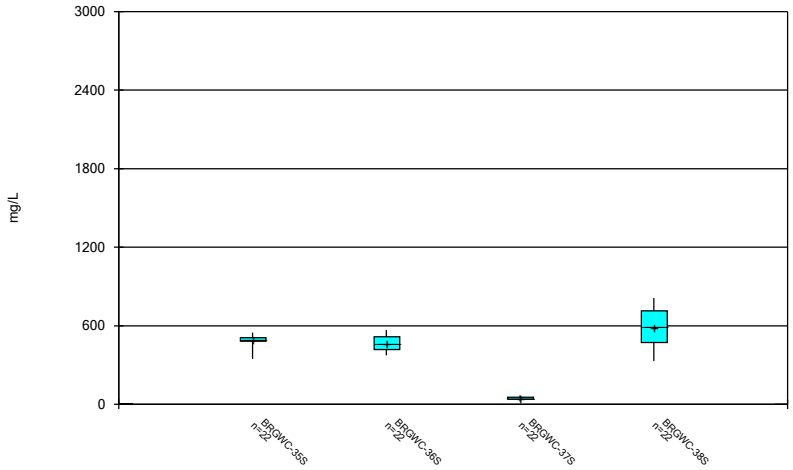


Constituent: TDS Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

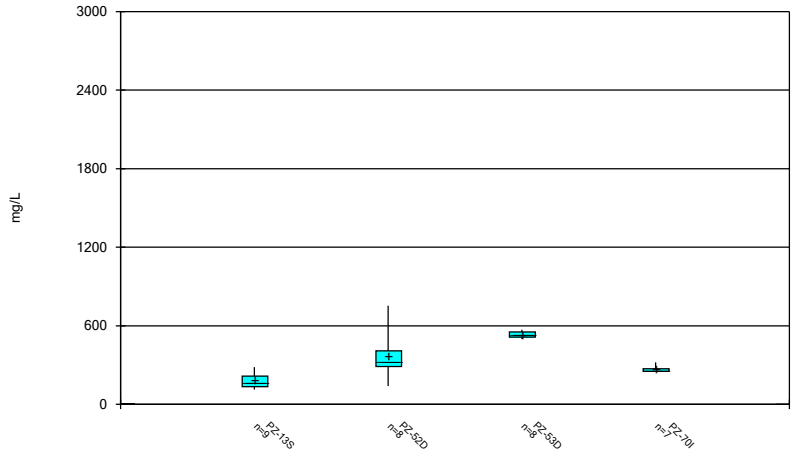


Constituent: TDS Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot

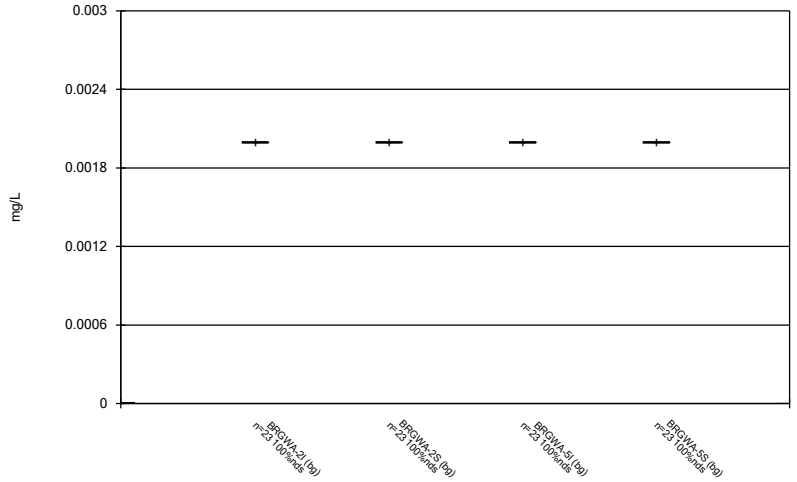


Constituent: TDS Analysis Run 10/22/2025 11:39 AM

Plant Branch Client: Southern Company Data: Branch Pond E

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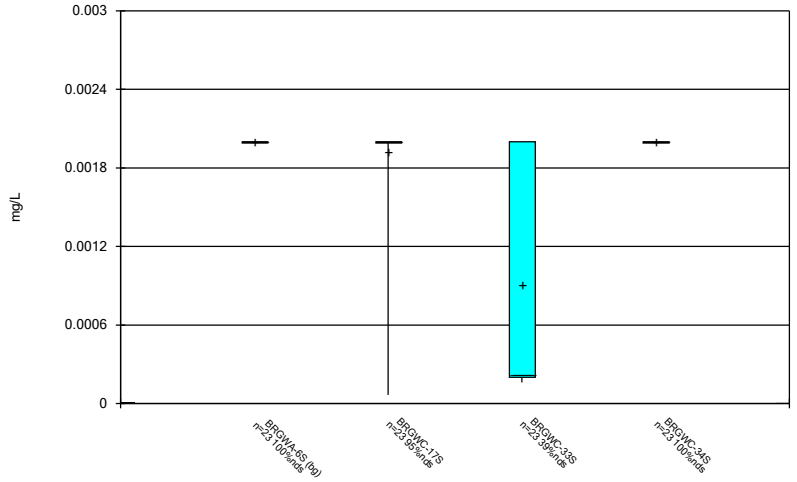
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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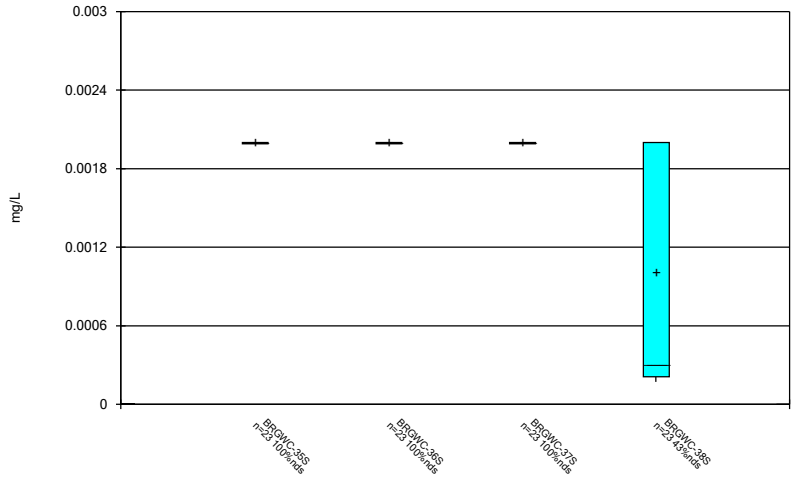
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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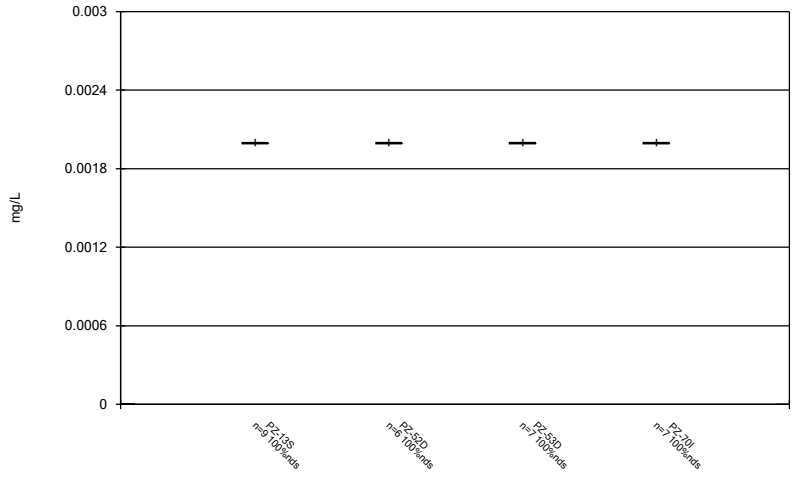
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

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Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/22/2025 11:39 AM
Plant Branch Client: Southern Company Data: Branch Pond E

FIGURE C.

Outlier Summary

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/23/2025, 11:20 AM

	BRGWA-5I Cobalt (mg/L)	BRGWC-37S Sulfate (mg/L)	BRGWA-6S TDS (mg/L)
9/1/2016			299 (O)
2/13/2018	<0.01 (O)		
2/15/2018		1.9 (O)	

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 11:56 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)	BRGWC-17S	0.0187	n/a	9/3/2025	0.101	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-33S	0.0187	n/a	9/3/2025	2.3	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-34S	0.0187	n/a	9/2/2025	2	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-35S	0.0187	n/a	9/3/2025	2.46	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-36S	0.0187	n/a	9/3/2025	1.05	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-38S	0.0187	n/a	9/2/2025	1.05	Yes	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Calcium (mg/L)	BRGWC-17S	24	n/a	9/3/2025	48.7	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-33S	24	n/a	9/3/2025	375	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-34S	24	n/a	9/2/2025	164	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-35S	24	n/a	9/3/2025	63.3	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-36S	24	n/a	9/3/2025	39.8	Yes	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-17S	4.8	n/a	9/3/2025	5.04	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-33S	4.8	n/a	9/3/2025	56.8	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-34S	4.8	n/a	9/2/2025	30.1	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-35S	4.8	n/a	9/3/2025	6.4	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-36S	4.8	n/a	9/3/2025	8.21	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-38S	4.8	n/a	9/2/2025	6.44	Yes	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-38S	0.289	n/a	9/2/2025	0.296	Yes	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-33S	7.053	5.79	9/3/2025	5	Yes	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	BRGWC-36S	7.053	5.79	9/3/2025	5.51	Yes	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	BRGWC-38S	7.053	5.79	9/2/2025	4.33	Yes	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
Sulfate (mg/L)	BRGWC-17S	7.5	n/a	9/3/2025	203	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-33S	7.5	n/a	9/3/2025	1210	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-34S	7.5	n/a	9/2/2025	499	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-35S	7.5	n/a	9/3/2025	241	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-36S	7.5	n/a	9/3/2025	199	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-38S	7.5	n/a	9/2/2025	190	Yes	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
TDS (mg/L)	BRGWC-17S	190.1	n/a	9/3/2025	453	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-33S	190.1	n/a	9/3/2025	2050	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-34S	190.1	n/a	9/2/2025	890	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-35S	190.1	n/a	9/3/2025	505	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-36S	190.1	n/a	9/3/2025	394	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	BRGWC-38S	190.1	n/a	9/2/2025	348	Yes	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 11:56 AM

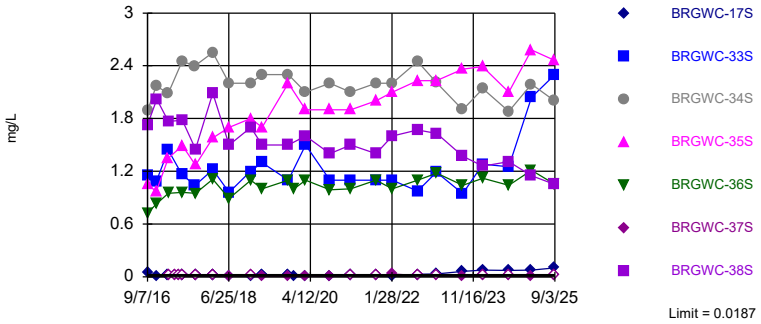
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BRGWC-17S**	**0.0187**	**n/a**	**9/3/2025**	**0.101**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-33S**	**0.0187**	**n/a**	**9/3/2025**	**2.3**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-34S**	**0.0187**	**n/a**	**9/2/2025**	**2**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-35S**	**0.0187**	**n/a**	**9/3/2025**	**2.46**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-36S**	**0.0187**	**n/a**	**9/3/2025**	**1.05**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	BRGWC-37S	0.0187	n/a	9/2/2025	0.015ND	No	110	n/a	n/a	61.82	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Boron (mg/L)	**BRGWC-38S**	**0.0187**	**n/a**	**9/2/2025**	**1.05**	**Yes**	**110**	**n/a**	**n/a**	**61.82**	**n/a**	**n/a**	**0.0001639**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**BRGWC-17S**	**24**	**n/a**	**9/3/2025**	**48.7**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-33S**	**24**	**n/a**	**9/3/2025**	**375**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-34S**	**24**	**n/a**	**9/2/2025**	**164**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-35S**	**24**	**n/a**	**9/3/2025**	**63.3**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-36S**	**24**	**n/a**	**9/3/2025**	**39.8**	**Yes**	**110**	**n/a**	**n/a**	**2.727**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	BRGWC-37S	24	n/a	9/2/2025	3.6	No	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-38S	24	n/a	9/2/2025	21.4	No	110	n/a	n/a	2.727	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-17S**	**4.8**	**n/a**	**9/3/2025**	**5.04**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-33S**	**4.8**	**n/a**	**9/3/2025**	**56.8**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-34S**	**4.8**	**n/a**	**9/2/2025**	**30.1**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-35S**	**4.8**	**n/a**	**9/3/2025**	**6.4**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-36S**	**4.8**	**n/a**	**9/3/2025**	**8.21**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-37S	4.8	n/a	9/2/2025	1.88	No	110	n/a	n/a	0	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-38S**	**4.8**	**n/a**	**9/2/2025**	**6.44**	**Yes**	**110**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	BRGWC-17S	0.289	n/a	9/3/2025	0.105	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-33S	0.289	n/a	9/3/2025	0.0936J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-34S	0.289	n/a	9/2/2025	0.113	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-35S	0.289	n/a	9/3/2025	0.0847J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-36S	0.289	n/a	9/3/2025	0.081J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-37S	0.289	n/a	9/2/2025	0.0668J	No	120	n/a	n/a	45.83	n/a	n/a	0.0001349	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**BRGWC-38S**	**0.289**	**n/a**	**9/2/2025**	**0.296**	**Yes**	**120**	**n/a**	**n/a**	**45.83**	**n/a**	**n/a**	**0.0001349**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	BRGWC-17S	7.053	5.79	9/3/2025	6.22	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-33S**	**7.053**	**5.79**	**9/3/2025**	**5**	**Yes**	**123**	**6.422**	**0.3378**	**0**	**None**	**No**	**0.0005373**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-34S	7.053	5.79	9/2/2025	5.8	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	BRGWC-35S	7.053	5.79	9/3/2025	5.97	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-36S**	**7.053**	**5.79**	**9/3/2025**	**5.51**	**Yes**	**123**	**6.422**	**0.3378**	**0**	**None**	**No**	**0.0005373**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-37S	7.053	5.79	9/2/2025	5.92	No	123	6.422	0.3378	0	None	No	0.0005373	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-38S**	**7.053**	**5.79**	**9/2/2025**	**4.33**	**Yes**	**123**	**6.422**	**0.3378**	**0**	**None**	**No**	**0.0005373**	**Param Inter 1 of 2**
Sulfate (mg/L)	**BRGWC-17S**	**7.5**	**n/a**	**9/3/2025**	**203**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-33S**	**7.5**	**n/a**	**9/3/2025**	**1210**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-34S**	**7.5**	**n/a**	**9/2/2025**	**499**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-35S**	**7.5**	**n/a**	**9/3/2025**	**241**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-36S**	**7.5**	**n/a**	**9/3/2025**	**199**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BRGWC-37S	7.5	n/a	9/2/2025	0.273J	No	110	n/a	n/a	12.73	n/a	n/a	0.0001639	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BRGWC-38S**	**7.5**	**n/a**	**9/2/2025**	**190**	**Yes**	**110**	**n/a**	**n/a**	**12.73**	**n/a**	**n/a**	**0.0001639**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BRGWC-17S**	**190.1**	**n/a**	**9/3/2025**	**453**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-33S**	**190.1**	**n/a**	**9/3/2025**	**2050**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-34S**	**190.1**	**n/a**	**9/2/2025**	**890**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-35S**	**190.1**	**n/a**	**9/3/2025**	**505**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-36S**	**190.1**	**n/a**	**9/3/2025**	**394**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**
TDS (mg/L)	BRGWC-37S	190.1	n/a	9/2/2025	44	No	109	9.503	2.284	1.835	None	sqrt(x)	0.001075	Param Inter 1 of 2
TDS (mg/L)	**BRGWC-38S**	**190.1**	**n/a**	**9/2/2025**	**348**	**Yes**	**109**	**9.503**	**2.284**	**1.835**	**None**	**sqrt(x)**	**0.001075**	**Param Inter 1 of 2**

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Hollow symbols indicate censored values.

Exceeds Limit: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 110 background values. 61.82% NDs. Annual per-constituent alpha = 0.002292. Individual comparison alpha = 0.0001639 (1 of 2). Comparing 7 points to limit.

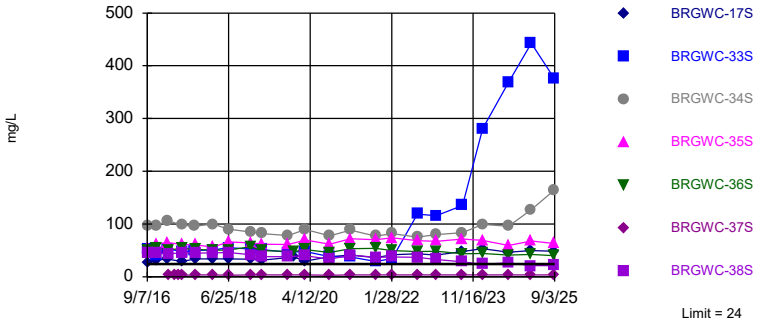
Constituent: Boron Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

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Exceeds Limit: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 110 background values. 2.727% NDs. Annual per-constituent alpha = 0.002292. Individual comparison alpha = 0.0001639 (1 of 2). Comparing 7 points to limit.

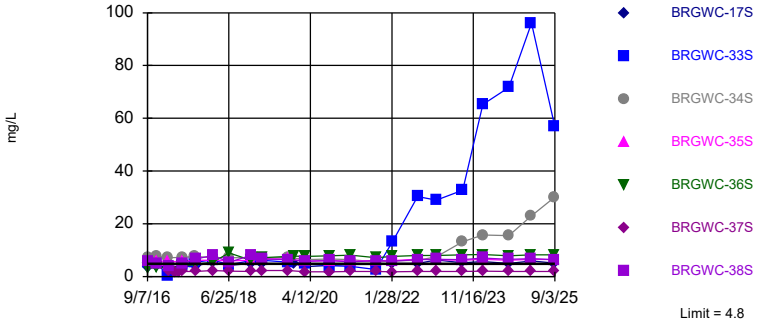
Constituent: Calcium Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Exceeds Limit: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 110 background values. Annual per-constituent alpha = 0.002292. Individual comparison alpha = 0.0001639 (1 of 2). Comparing 7 points to limit.

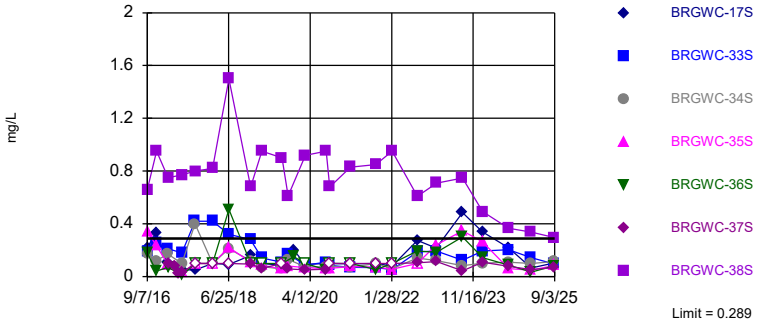
Constituent: Chloride Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Exceeds Limit: BRGWC-38S

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 120 background values. 45.83% NDs. Annual per-constituent alpha = 0.001887. Individual comparison alpha = 0.0001349 (1 of 2). Comparing 7 points to limit.

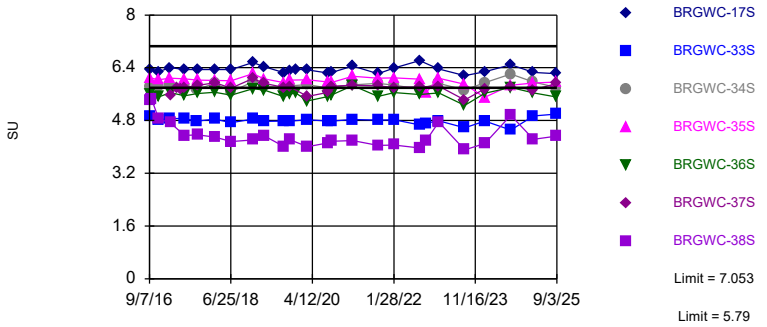
Constituent: Fluoride Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

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Exceeds Limits: BRGWC-33S, BRGWC-36S, BRGWC-38S

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=6.422, Std. Dev.=0.3378, n=123. Normality test: Chi Squared @alpha = 0.01, calculated = 6.024, critical = 14.07. Kappa = 1.868 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0005373. Comparing 7 points to limit.

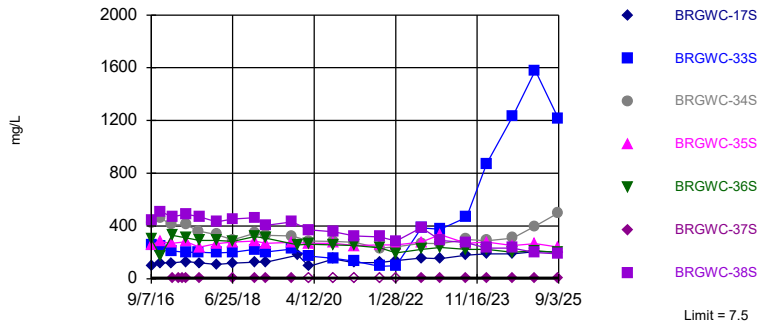
Constituent: pH, Field Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 110 background values. 12.73% NDs. Annual per-constituent alpha = 0.002292. Individual comparison alpha = 0.0001639 (1 of 2). Comparing 7 points to limit.

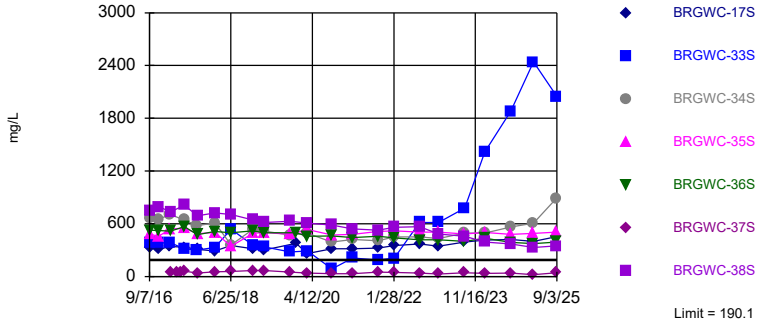
Constituent: Sulfate Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Exceeds Limit: BRGWC-17S, BRGWC-33S, BRGWC-34S, BRGWC-35S, BRGWC-36S, BRGWC-38S

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=9.503, Std. Dev.=2.284, n=109, 1.835% NDs. Normality test: Chi Squared @alpha = 0.01, calculated = 10.36, critical = 14.07. Kappa = 1.876 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

Constituent: TDS Analysis Run 10/22/2025 11:49 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Pond E

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
8/31/2016	0.0072 (J)	<0.015	<0.015	<0.015					
9/1/2016					<0.015				
9/7/2016						1.15	0.725	0.0449 (J)	1.73
9/8/2016									
11/15/2016		0.0085 (J)			0.0123 (J)				
11/16/2016	0.0117 (J)		0.0187 (J)	0.0109 (J)					
11/17/2016						1.08		0.0067 (J)	
11/18/2016							0.831		
11/21/2016									2.02
2/20/2017		0.0093 (J)	0.0066 (J)		0.0157 (J)				
2/21/2017	0.0088 (J)			<0.015					
2/22/2017						1.44		<0.015	
2/23/2017							0.949		1.77
4/17/2017									
5/15/2017									
6/12/2017	0.0133 (J)	<0.015	<0.015		<0.015				
6/13/2017				<0.015					
6/14/2017						1.16			
6/15/2017							0.961	<0.015	1.78
9/26/2017	0.0093 (J)	<0.015	<0.015	<0.015	<0.015				
9/27/2017						1.04			
9/28/2017							0.948	<0.015	1.45
2/13/2018	0.0141 (J)	<0.015	<0.015	<0.015	<0.015				
2/15/2018						1.22	1.11	<0.015	2.09
6/26/2018	0.012 (J)	0.0056 (J)	0.0042 (J)	<0.015	0.0041 (J)				
6/27/2018						0.96		0.0088 (J)	
6/28/2018							0.89		1.5
12/18/2018	0.0086 (J)	0.0062 (J)	<0.015	<0.015	<0.015	1.2			
12/19/2018							1.1	0.0045 (J)	
12/20/2018									1.7
3/19/2019	0.0055 (J)	<0.015	<0.015	<0.015	<0.015		1	<0.015	
3/20/2019						1.3			1.5
10/15/2019	0.0067 (J)	0.006 (J)	<0.015	<0.015	0.01 (J)				
10/16/2019						1.1			1.5
10/17/2019							1.1	<0.015	
12/3/2019							1	0.0063 (J)	
3/3/2020	0.0082 (J)	<0.015	<0.015	<0.015	<0.015			0.0075 (J)	
3/5/2020						1.5	1.1		1.6
9/15/2020	<0.015	<0.015	<0.015	<0.015	<0.015				
9/16/2020						1.1	0.99	0.0066 (J)	
9/17/2020									1.4
3/1/2021	<0.015				<0.015				
3/2/2021		0.0071 (J)	0.0053 (J)	<0.015					
3/3/2021						1.1	1		
3/4/2021								<0.015	1.5
9/21/2021		<0.015	<0.015						
9/22/2021	<0.015			<0.015	<0.015	1.1	1.1	0.02 (J)	
9/23/2021									1.4
2/1/2022	<0.015	<0.015	<0.015	<0.015	<0.015	1.1	1	0.013 (J)	1.6
2/2/2022									
8/23/2022	0.00592 (J)	0.00538 (J)	<0.015	0.00532 (J)	<0.015	0.975			1.67
8/24/2022							1.1	0.0273	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
1/24/2023	<0.015	<0.015	<0.015	<0.015	<0.015	1.19		0.0326	
1/25/2023							1.18		1.63
8/22/2023	0.00649 (J)	0.00764 (J)	0.0073 (J)	0.00738 (J)	0.00611 (J)	0.946			
8/23/2023							1.04	0.0601	1.37
1/30/2024	<0.015	<0.015	<0.015	<0.015	<0.015			0.0758	
1/31/2024						1.28	1.12		1.26
8/27/2024	<0.015	0.00538 (J)	<0.015	<0.015	<0.015				1.31
8/28/2024						1.25	1.04	0.0721	
2/18/2025	<0.015	0.00548 (J)	0.00591 (J)	<0.015	<0.015				
2/26/2025						2.04	1.21	0.0756	1.15
8/26/2025	0.00739 (J)	0.00822 (J)	0.007 (J)	0.00735 (J)	0.00675 (J)				
9/2/2025									1.05
9/3/2025						2.3	1.05	0.101	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
8/31/2016			
9/1/2016			
9/7/2016	1.06		
9/8/2016		1.89	
11/15/2016			
11/16/2016			
11/17/2016	0.967	2.17	
11/18/2016			
11/21/2016			
2/20/2017			
2/21/2017			
2/22/2017	1.35	2.09	
2/23/2017			<0.015
4/17/2017			<0.015
5/15/2017			<0.015
6/12/2017			
6/13/2017			
6/14/2017		2.45	
6/15/2017	1.49		<0.015
9/26/2017			
9/27/2017		2.4	
9/28/2017	1.27		<0.015
2/13/2018			
2/15/2018	1.58	2.55	<0.015
6/26/2018			
6/27/2018	1.7	2.2	
6/28/2018			0.0067 (J)
12/18/2018		2.2	
12/19/2018	1.8		<0.015
12/20/2018			
3/19/2019			
3/20/2019	1.7	2.3	0.004 (J)
10/15/2019			
10/16/2019	2.2	2.3	0.0055 (J)
10/17/2019			
12/3/2019			
3/3/2020			
3/5/2020	1.9	2.1	0.0076 (J)
9/15/2020			
9/16/2020	1.9	2.2	0.0062 (J)
9/17/2020			
3/1/2021			
3/2/2021			
3/3/2021		2.1	<0.015
3/4/2021	1.9		
9/21/2021			
9/22/2021		2.2	
9/23/2021	2		<0.015
2/1/2022	2.1	2.2	
2/2/2022			0.032 (J)
8/23/2022			<0.015
8/24/2022	2.23	2.45	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
1/24/2023	2.23	2.21	
1/25/2023			<0.015
8/22/2023		1.9	0.00802 (J)
8/23/2023	2.36		
1/30/2024	2.39		
1/31/2024		2.14	<0.015
8/27/2024			<0.015
8/28/2024	2.1	1.88	
2/18/2025			
2/26/2025	2.58	2.19	0.00753 (J)
8/26/2025			
9/2/2025		2	<0.015
9/3/2025	2.46		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
8/31/2016	12.6	19.6	13.5	4.09					
9/1/2016					3.3				
9/7/2016						53.4	50.6	26.3	45.9
9/8/2016									
11/15/2016		21.7			3.44				
11/16/2016	12.1		14.9	4.25					
11/17/2016						41.3		31.8	
11/18/2016							53.9		
11/21/2016									46.4
2/20/2017		21.1	13.9		3.52				
2/21/2017	11.4			4.02					
2/22/2017						53.1		33.5	
2/23/2017							51		43.5
4/17/2017									
5/15/2017									
6/12/2017	9.34	21.5	13.7		3.11				
6/13/2017				3.84					
6/14/2017						47.1			
6/15/2017							53.8	29	45.3
9/26/2017	14.3	24	14.4	3.31	3.15				
9/27/2017						49.5			
9/28/2017							51.8	34.1	45.1
2/13/2018	<25	<25	<25	3.94	3.65				
2/15/2018						50.9	50.1	33.8	45.3
6/26/2018	16 (J)	23.5 (J)	13.5 (J)	3.6	3.3				
6/27/2018						55.1		34.1	
6/28/2018							51		45.9
12/18/2018	14.5 (J)	19.8 (J)	16.4 (J)	3.8	3.5	52.7			
12/19/2018							57.1	33.1	
12/20/2018									41.8
3/19/2019	14.3 (J)	21.4 (J)	12.3 (J)	3.9	3.6		49.5	31.6	
3/20/2019						51.4			38.2
10/15/2019	15.1	20	14.4	3.7	3.5				
10/16/2019						46.5			38.4
12/3/2019							47.8	37.7	
3/3/2020	20	23.2	14.9	4	5			29.7	
3/5/2020						48.1	51.7		39.8
9/15/2020	14.1	16.8	12.7	3.9	3.7				
9/16/2020						37.9	45.9	37.9	
9/17/2020									33.1
3/1/2021	15.4				4.2				
3/2/2021		16.8	13.2	4					
3/3/2021						37.5	53		
3/4/2021								41.2	41
9/21/2021		19.1	14.1						
9/22/2021	15.9			4.3	4.1	28.9	53.7	36.4	
9/23/2021									36.8
2/1/2022	14.4	19.1	14.5	4.4	4.2	34.3	49.7	41.5	37.8
2/2/2022									
8/23/2022	13.9	18.2	14.3	4.65	3.97	119			37.1
8/24/2022							48.1	43.6	
1/24/2023	14.2	19.4	15.8	4.86	3.9	116		41.3	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
1/25/2023							48.2		32.8
8/22/2023	12.6	14.9	14.3	5.02	3.79	135			
8/23/2023							43.4	47.9	28.7
1/30/2024	14.1	18.2	16	5.25	4.27			53.3	
1/31/2024						281	44.4		23.7
8/27/2024	12.4	17.2	15.9	5.45	4.19				26.7
8/28/2024						369	41	46.4	
2/18/2025	13.8	16.5	16.9	5.76	4.11				
2/26/2025						443	42.5	49.9	20.9
8/26/2025	12.8	16.3	16.7	5.53	4.2				
9/2/2025									21.4
9/3/2025						375	39.8	48.7	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
8/31/2016			
9/1/2016			
9/7/2016	54.1		
9/8/2016		97.3	
11/15/2016			
11/16/2016			
11/17/2016	62.6	97.6	
11/18/2016			
11/21/2016			
2/20/2017			
2/21/2017			
2/22/2017	64.6	106	
2/23/2017			3.26
4/17/2017			3.23
5/15/2017			2.97
6/12/2017			
6/13/2017			
6/14/2017		98	
6/15/2017	61.3		3.15
9/26/2017			
9/27/2017		95.8	
9/28/2017	60.8		3.26
2/13/2018			
2/15/2018	56.6	100	3.39
6/26/2018			
6/27/2018	66.2	90.1	
6/28/2018			3.1
12/18/2018		85.1	
12/19/2018	64.4		3.6
12/20/2018			
3/19/2019			
3/20/2019	61.8	82	3.3
10/15/2019			
10/16/2019	61.2	78.2	3.4
12/3/2019			
3/3/2020			
3/5/2020	69.9	89.6	3.7
9/15/2020			
9/16/2020	61.8	77.7	3.2
9/17/2020			
3/1/2021			
3/2/2021			
3/3/2021		88.6	3.6
3/4/2021	71.8		
9/21/2021			
9/22/2021		76.9	
9/23/2021	70.5		3.7
2/1/2022	73.8	81.7	
2/2/2022			3.7
8/23/2022			3.7
8/24/2022	68.5	75	
1/24/2023	67.5	80	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
1/25/2023			3.65
8/22/2023		83.4	3.47
8/23/2023	71.4		
1/30/2024	68.9		
1/31/2024		99.2	3.54
8/27/2024			3.64
8/28/2024	59.5	95.9	
2/18/2025			
2/26/2025	67.8	127	3.77
8/26/2025			
9/2/2025		164	3.6
9/3/2025	63.3		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
8/31/2016	2.3	3.6	4.4	2					
9/1/2016					2.5				
9/7/2016						5.3	3.1	3.7	5.8
9/8/2016									
11/15/2016		4			2.3				
11/16/2016	2		4.4	1.8					
11/17/2016						5.3		4	
11/18/2016							3.4		
11/21/2016									5.1
2/20/2017		3.9	4.8		2.4				
2/21/2017	2			1.8					
2/22/2017						0.12 (J)		3.6	
2/23/2017							3.2		4.1
4/17/2017									
5/15/2017									
6/12/2017	2.1	3.8	4.2		2.2				
6/13/2017				1.7					
6/14/2017						4.5			
6/15/2017							4	3.7	4.8
9/26/2017	2	4.1	4.4	1.8	2.3				
9/27/2017						5.4			
9/28/2017							4.6	4.1	6.7
2/13/2018	2.1	4.1	4.7	1.7	2.3				
2/15/2018						6.3	5.4	5.3	8
6/26/2018	2.4	4.1	4.5	2.2	2.6				
6/27/2018						4.5		4.2	
6/28/2018							9		5.5
12/18/2018	1.8	3.8	4.5	1.9	2.3	6.1			
12/19/2018							6.2	4.9	
12/20/2018									8
3/19/2019	2.5	4.2	4.5	2	2.6		7.1	5	
3/20/2019						6.2			6.6
10/15/2019	2.2	3.7	4.2	1.9	2.4				
10/16/2019						5.4			6.4
12/3/2019							7.7	4.8	
3/3/2020	1.9	3.6	3.9	1.9	2.9			3.8	
3/5/2020						4.8	7.6		5.8
9/15/2020	1.9	3.7	3.7	1.7	2.3				
9/16/2020						4.1	7.9	4.2	
9/17/2020									6.1
3/1/2021	1.8				2.1				
3/2/2021		3.7	3.8	1.7					
3/3/2021						3.9	8.1		
3/4/2021								4.6	5.6
9/21/2021		3.2	3.2						
9/22/2021	1.7			1.5	2.1	2.7	7.1	4.6	
9/23/2021									6
2/1/2022	1.8	3.4	3.5	1.6	2.1	13.1	7.6	4.9	5.8
2/2/2022									
8/23/2022	2.02	3.59	3.64	2.18	2.39	30.3			6.42
8/24/2022							7.96	5	
1/24/2023	2.09	3.56	3.93	2.16	2.3	29		6.31	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
1/25/2023							7.93		6.53
8/22/2023	1.9	3.37	3.53	2.14	2.34	32.7			
8/23/2023							8.26	5.18	6.44
1/30/2024	2.35	3.52	3.98	2.14	3.23			5.69	
1/31/2024						65.3	8.32		7
8/27/2024	2.16	3.49	3.88	2.17	2.28				6.53
8/28/2024						71.7	7.81	4.95	
2/18/2025	2.09	3.34	4.05	2.09	2.25				
2/26/2025						96.1	8.26	5.96	6.76
8/26/2025	2.1	3.34	4	2.05	2.21				
9/2/2025									6.44
9/3/2025						56.8	8.21	5.04	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
8/31/2016			
9/1/2016			
9/7/2016	5.8		
9/8/2016		7.2	
11/15/2016			
11/16/2016			
11/17/2016	6	7.6	
11/18/2016			
11/21/2016			
2/20/2017			
2/21/2017			
2/22/2017	5.6	7.1	
2/23/2017			2.1
4/17/2017			1.8
5/15/2017			1.8
6/12/2017			
6/13/2017			
6/14/2017		7.3	
6/15/2017	5.8		1.9
9/26/2017			
9/27/2017		7.6	
9/28/2017	6.2		1.9
2/13/2018			
2/15/2018	6.2	7.2	2.3
6/26/2018			
6/27/2018	5.9	7.1	
6/28/2018			2.1
12/18/2018		7.1	
12/19/2018	6.2		1.9
12/20/2018			
3/19/2019			
3/20/2019	6.6	6.9	2.3
10/15/2019			
10/16/2019	6.6	7.3	2.3
12/3/2019			
3/3/2020			
3/5/2020	5.8	6.4	1.8
9/15/2020			
9/16/2020	6	6.6	1.8
9/17/2020			
3/1/2021			
3/2/2021			
3/3/2021		6.4	1.9
3/4/2021	5.8		
9/21/2021			
9/22/2021		5.6	
9/23/2021	6.1		1.9
2/1/2022	6	5.9	
2/2/2022			1.8
8/23/2022			1.97
8/24/2022	6.53	6.17	
1/24/2023	6.46	7.5	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
1/25/2023			1.92
8/22/2023		13.2	1.89
8/23/2023	6.21		
1/30/2024	6.51		
1/31/2024		15.7	2
8/27/2024			1.9
8/28/2024	6.21	15.5	
2/18/2025			
2/26/2025	6.55	23	1.97
8/26/2025			
9/2/2025		30.1	1.88
9/3/2025	6.4		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-35S	BRGWC-38S	BRGWC-36S	BRGWC-33S
8/31/2016	0.11 (J)	0.19 (J)	0.07 (J)	0.05 (J)					
9/1/2016					0.06 (J)				
9/7/2016						0.34	0.66	0.18 (J)	0.19 (J)
9/8/2016									
11/15/2016		0.08 (J)			0.04 (J)				
11/16/2016	0.05 (J)		0.03 (J)	0.04 (J)					
11/17/2016						0.24 (J)			0.26 (J)
11/18/2016								0.04 (J)	
11/21/2016							0.95		
2/20/2017		0.08 (J)	0.06 (J)		0.04 (J)				
2/21/2017	0.14 (J)			0.05 (J)					
2/22/2017						0.09 (J)			0.21 (J)
2/23/2017							0.75	0.07 (J)	
4/17/2017									
5/15/2017									
6/12/2017	0.16 (J)	0.07 (J)	0.008 (J)		0.06 (J)				
6/13/2017				0.04 (J)					
6/14/2017									0.18 (J)
6/15/2017						0.03 (J)	0.77	0.01 (J)	
9/26/2017	0.14 (J)	0.04 (J)	<0.1	<0.1	<0.1				
9/27/2017									0.42
9/28/2017						<0.1	0.8	<0.1	
2/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1				
2/15/2018						<0.1	0.82	<0.1	0.42
6/26/2018	0.085 (J)	0.072 (J)	0.045 (J)	0.048 (J)	0.041 (J)				
6/27/2018						0.22 (J)			0.32
6/28/2018							1.5	0.51	
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1				0.28 (J)
12/19/2018						0.11 (J)		<0.1	
12/20/2018							0.68		
3/19/2019	0.066 (J)	0.06 (J)	<0.1	0.037 (J)	0.03 (J)			<0.1	
3/20/2019						0.088 (J)	0.95		0.14 (J)
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1				0.11 (J)
8/28/2019						0.056 (J)		<0.1	
8/29/2019							0.9		
10/15/2019	<0.1	0.045 (J)	<0.1	<0.1	<0.1				
10/16/2019						0.08 (J)	0.61		0.17 (J)
12/3/2019								0.15 (J)	
3/3/2020	0.066 (J)	0.057 (J)	<0.1	0.05 (J)	0.09 (J)				
3/5/2020						0.067 (J)	0.92	<0.1	0.088 (J)
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1				
8/19/2020						0.06 (J)	0.95	0.051 (J)	0.11
9/15/2020	<0.1	0.051 (J)	<0.1	<0.1	<0.1				
9/16/2020						0.062 (J)		<0.1	0.085 (J)
9/17/2020							0.68		
3/1/2021	<0.1				<0.1				
3/2/2021		<0.1	<0.1	<0.1					
3/3/2021								<0.1	0.069 (J)
3/4/2021						0.076 (J)	0.83		
9/21/2021		0.056 (J)	<0.1						
9/22/2021	<0.1			<0.1	<0.1			0.054 (J)	0.068 (J)
9/23/2021						0.073 (J)	0.85		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-35S	BRGWC-38S	BRGWC-36S	BRGWC-33S
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.055 (J)	0.95	<0.1	0.053 (J)
2/2/2022									
8/23/2022	<0.1	<0.1	<0.1	<0.1	<0.1		0.609		0.187
8/24/2022						<0.1		0.194	
1/24/2023	<0.1	0.158	0.149	<0.1	0.12	0.239			0.193
1/25/2023							0.708	0.183	
8/22/2023	0.267	0.277	0.289	0.229	0.0787 (J)				0.123
8/23/2023						0.347	0.748	0.301	
1/30/2024	<0.1	0.233	0.232	0.184	0.0341 (J)	0.263			
1/31/2024							0.493	0.144	0.194
8/27/2024	0.0342 (J)	0.0516 (J)	0.0365 (J)	0.0426 (J)	0.0334 (J)		0.366		
8/28/2024						0.0609 (J)		0.0861 (J)	0.204
2/18/2025	0.0566 (J)	0.0749 (J)	0.0553 (J)	0.0709 (J)	0.0527 (J)				
2/26/2025						0.0472 (J)	0.336	0.0348 (J)	0.143
8/26/2025	0.0368 (J)	0.0557 (J)	<0.1	0.0487 (J)	0.0343 (J)				
9/2/2025							0.296		
9/3/2025						0.0847 (J)		0.081 (J)	0.0936 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-34S	BRGWC-37S
8/31/2016			
9/1/2016			
9/7/2016	0.22 (J)		
9/8/2016		0.17 (J)	
11/15/2016			
11/16/2016			
11/17/2016	0.33	0.12 (J)	
11/18/2016			
11/21/2016			
2/20/2017			
2/21/2017			
2/22/2017	0.11 (J)	0.17 (J)	
2/23/2017			0.1 (J)
4/17/2017			0.08 (J)
5/15/2017			0.02 (J)
6/12/2017			
6/13/2017			
6/14/2017		0.1 (J)	
6/15/2017	0.05 (J)		0.03 (J)
9/26/2017			
9/27/2017		0.4	
9/28/2017	0.05 (J)		<0.1
2/13/2018			
2/15/2018	<0.1	<0.1	<0.1
6/26/2018			
6/27/2018	0.093 (J)	0.21 (J)	
6/28/2018			<0.1
12/18/2018		0.12 (J)	
12/19/2018	0.16 (J)		0.094 (J)
12/20/2018			
3/19/2019	0.1 (J)		
3/20/2019		0.074 (J)	0.062 (J)
8/27/2019			
8/28/2019	0.085 (J)	0.057 (J)	<0.1
8/29/2019			
10/15/2019			
10/16/2019		0.13 (J)	0.059 (J)
12/3/2019	0.2 (J)		
3/3/2020	0.093 (J)		
3/5/2020		0.072 (J)	0.05 (J)
8/18/2020			
8/19/2020	0.1	0.074 (J)	0.055 (J)
9/15/2020			
9/16/2020	0.1	0.077 (J)	<0.1
9/17/2020			
3/1/2021			
3/2/2021			
3/3/2021		0.071 (J)	<0.1
3/4/2021	0.096 (J)		
9/21/2021			
9/22/2021	0.1	0.1	
9/23/2021			<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-34S	BRGWC-37S
2/1/2022	0.079 (J)	0.06 (J)	
2/2/2022			<0.1
8/23/2022			0.105
8/24/2022	0.274	0.14	
1/24/2023	0.216	0.122	
1/25/2023			0.114
8/22/2023		0.0816 (J)	0.0445 (J)
8/23/2023	0.484		
1/30/2024	0.34		
1/31/2024		0.101	0.109
8/27/2024			0.0777 (J)
8/28/2024	0.218	0.11	
2/18/2025			
2/26/2025	0.0663 (J)	0.1	0.0523 (J)
8/26/2025			
9/2/2025		0.113	0.0668 (J)
9/3/2025	0.105		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-38S	BRGWC-36S	BRGWC-35S	BRGWC-17S
8/31/2016	7.16	6.59	6.53	6.2					
9/1/2016					6.49				
9/7/2016						5.43	5.59	6.1	6.36
9/8/2016									
9/23/2016						5.46			
11/15/2016		6.67			6.59				
11/16/2016	6.96		6.4	6.12					
11/17/2016								6.04	6.28
11/18/2016							5.51		
11/21/2016						4.84			
2/20/2017		6.65	6.44		6.61				
2/21/2017	7.15			6.24					
2/22/2017								6.08	6.4
2/23/2017						4.73	5.65		
4/17/2017									
5/15/2017									
6/12/2017	7.31	6.64	6.4						
6/13/2017				6.19					
6/14/2017									
6/15/2017						4.35	5.55	6.06	6.35
9/26/2017	7.02	6.58	6.31	6.15	6.47				
9/27/2017									
9/28/2017						4.37	5.62	6.03	6.35
2/13/2018	7.44	6.72	6.62	6.18	6.54				
2/15/2018						4.3	5.66	6.02	6.35
6/26/2018	6.93	6.43	6.29	6.05	6.23				
6/27/2018								6.01	6.35
6/28/2018						4.16	5.57		
12/18/2018	6.76	6.7	6.57	5.92	6.71				
12/19/2018							5.76	6.22	6.56
12/20/2018						4.21			
3/19/2019	6.87	6.63	6.45	6.18	6.18		5.72		6.43
3/20/2019						4.34		6.06	
8/27/2019	6.79	6.49	6.37	6.09	6.35				
8/28/2019							5.52	5.95	6.25
8/29/2019						4.01			
10/15/2019	6.57	7.01	6.77	6.06	6.36				
10/16/2019						4.21		6.03	
10/17/2019							5.61		6.3
12/3/2019							5.63		6.36
3/3/2020	6.71	6.49	6.29	6.1	6.59				6.34
3/5/2020						4.01	5.39	6.04	
8/18/2020	6.59	6.41	6.29	6.06	6.33				
8/19/2020						4.12	5.53	5.97	6.24
9/15/2020	6.64	6.25	6.27	6.01	6.43				
9/16/2020							5.58	5.96	6.26
9/17/2020						4.17			
3/1/2021	6.66				6.7				
3/2/2021		6.42	6.47	6.2					
3/3/2021							5.86		
3/4/2021						4.19		6.14	6.45
9/21/2021		6.36	6.32						

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-38S	BRGWC-36S	BRGWC-35S	BRGWC-17S
9/22/2021	6.78			6.06	6.48		5.53		6.22
9/23/2021						4.05		6.08	
2/1/2022	6.83	6.39	6.38	5.95	6.54	4.06	5.65	6.09	6.39
2/2/2022									
8/23/2022	6.67	6.36	6.24	5.95	6.51	3.97			
8/24/2022							5.59	6.05	6.62
10/12/2022				5.69		4.17		5.64	
1/24/2023	6.7	6.47	6.42	5.26	6.54			6.08	6.37
1/25/2023						4.75	5.64		
8/22/2023	6.95	6.08	6.24	5.96	6.09				
8/23/2023						3.91	5.26	5.9	6.16
10/30/2023	6.22			5.5	6.28				
1/30/2024	6.57	6.38	6.44	6.05	5.75			5.5	6.28
1/31/2024						4.1	5.63		
8/27/2024	6.6	6.65	6.56	6.02	6.8	4.96			
8/28/2024							5.8	5.87	6.49
2/18/2025	6.42	6.42	6.17	5.88	6.38				
2/26/2025						4.23	5.64	5.94	6.26
8/26/2025	6.39	6.43	6.42	5.79	6.47				
9/2/2025						4.33			
9/3/2025							5.51	5.97	6.22

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-37S
8/31/2016			
9/1/2016			
9/7/2016	4.92		
9/8/2016		5.84	
9/23/2016			
11/15/2016			
11/16/2016			
11/17/2016	4.82	5.81	
11/18/2016			
11/21/2016			
2/20/2017			
2/21/2017			
2/22/2017	4.86	5.85	
2/23/2017			5.57
4/17/2017			5.8
5/15/2017			5.75
6/12/2017			
6/13/2017			
6/14/2017	4.86	5.87	
6/15/2017			5.8
9/26/2017			
9/27/2017	4.78	5.74	
9/28/2017			5.86
2/13/2018			
2/15/2018	4.84	5.93	5.95
6/26/2018			
6/27/2018	4.73	5.68	
6/28/2018			5.78
12/18/2018	4.84	5.97	
12/19/2018			6.07
12/20/2018			
3/19/2019			
3/20/2019	4.77	5.84	5.93
8/27/2019	4.78		
8/28/2019		5.8	5.8
8/29/2019			
10/15/2019			
10/16/2019	4.78	5.85	5.81
10/17/2019			
12/3/2019			
3/3/2020			
3/5/2020	4.82	5.89	5.53
8/18/2020			
8/19/2020	4.78	5.78	5.66
9/15/2020			
9/16/2020	4.78	5.81	5.84
9/17/2020			
3/1/2021			
3/2/2021			
3/3/2021	4.83	5.88	5.87
3/4/2021			
9/21/2021			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-37S
9/22/2021	4.81	5.93	
9/23/2021			5.85
2/1/2022	4.82	5.87	
2/2/2022			5.8
8/23/2022	4.67		5.82
8/24/2022		5.75	
10/12/2022	4.72		
1/24/2023	4.79	5.93	
1/25/2023			5.84
8/22/2023	4.58	5.72	5.42
8/23/2023			
10/30/2023			
1/30/2024			
1/31/2024	4.78	5.95	5.76
8/27/2024			5.82
8/28/2024	4.51	6.21	
2/18/2025			
2/26/2025	4.94	5.97	5.73
8/26/2025			
9/2/2025		5.8	5.92
9/3/2025	5		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
8/31/2016	7.5	0.81 (J)	2.7	0.38 (J)					
9/1/2016					0.6 (J)				
9/7/2016						260	300	97	440
9/8/2016									
11/15/2016		0.87 (J)			0.49 (J)				
11/16/2016	6.6		3.4	0.36 (J)					
11/17/2016						250		120	
11/18/2016							170		
11/21/2016									510
2/20/2017		1	3.9		0.98 (J)				
2/21/2017	6.1			1.5					
2/22/2017						210		120	
2/23/2017							330		470
4/17/2017									
5/15/2017									
6/12/2017	5	0.94 (J)	3.7		0.54 (J)				
6/13/2017				0.67 (J)					
6/14/2017						200			
6/15/2017							310	130	490
9/26/2017	5.4	0.92 (J)	4.1	0.62 (J)	0.53 (J)				
9/27/2017						200			
9/28/2017							290	120	470
2/13/2018	4.7 (J)	<1	6.6	<1	<1				
2/15/2018						197	292	109	432
6/26/2018	6.2	0.91 (J)	3.5	0.69 (J)	0.54 (J)				
6/27/2018						200		118	
6/28/2018							284		453
12/18/2018	5.9	0.68 (J)	4.3	0.72 (J)	0.39 (J)	222			
12/19/2018							319	125	
12/20/2018									463
3/19/2019	6	0.74 (J)	3	0.78 (J)	0.68 (J)		307	126	
3/20/2019						204			405
10/15/2019	5.2	0.68 (J)	3.8	0.47 (J)	0.48 (J)				
10/16/2019						226			432
12/3/2019							256	180	
3/3/2020	7.1	0.71 (J)	2.8	0.93 (J)	2.5			95.4	
3/5/2020						173	262		370
9/15/2020	5.9	<1	1.7	<1	<1				
9/16/2020						154	256	151	
9/17/2020									356
3/1/2021	4.7				0.74 (J)				
3/2/2021		<1	2.2	<1					
3/3/2021						133	252		
3/4/2021								122	325
9/21/2021		<1	2.3						
9/22/2021	5.2			<1	<1	94.6	234	123	
9/23/2021									318
2/1/2022	5.4	<1	2	<1	<1	99.7	195	139	287
2/2/2022									
8/23/2022	5.66	0.521	2.21	0.452	0.479	385			389
8/24/2022							224	157	
1/24/2023	3.58	0.66	3.34	0.465	0.484	375		153	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWC-33S	BRGWC-36S	BRGWC-17S	BRGWC-38S
1/25/2023							237		291
8/22/2023	6.85	0.54	1.83	0.526	0.467	466			
8/23/2023							223	180	274
1/30/2024	2.65	0.617	2.74	0.423	0.456			189	
1/31/2024						872	222		233
8/27/2024	2.58	0.652	2.67	0.444	0.465				233
8/28/2024						1230	201	188	
2/18/2025	3.07	0.543	3.16	0.341 (J)	0.468				
2/26/2025						1580	212	206	199
8/26/2025	2.9	0.585	3.13	0.435	0.485				
9/2/2025									190
9/3/2025						1210	199	203	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
8/31/2016			
9/1/2016			
9/7/2016	260		
9/8/2016		420	
11/15/2016			
11/16/2016			
11/17/2016	280	460	
11/18/2016			
11/21/2016			
2/20/2017			
2/21/2017			
2/22/2017	270	410	
2/23/2017			0.55 (J)
4/17/2017			0.44 (J)
5/15/2017			0.45 (J)
6/12/2017			
6/13/2017			
6/14/2017		410	
6/15/2017	280		0.46 (J)
9/26/2017			
9/27/2017		360	
9/28/2017	240		0.49 (J)
2/13/2018			
2/15/2018	266	335	1.9 (O)
6/26/2018			
6/27/2018	278	296	
6/28/2018			0.24 (J)
12/18/2018		345	
12/19/2018	287		0.4 (J)
12/20/2018			
3/19/2019			
3/20/2019	268	329	0.39 (J)
10/15/2019			
10/16/2019	277	325	0.29 (J)
12/3/2019			
3/3/2020			
3/5/2020	269	287	<1
9/15/2020			
9/16/2020	270	283	<1
9/17/2020			
3/1/2021			
3/2/2021			
3/3/2021		277	<1
3/4/2021	251		
9/21/2021			
9/22/2021		232	
9/23/2021	258		<1
2/1/2022	256	243	
2/2/2022			<1
8/23/2022			0.307 (J)
8/24/2022	279	268	
1/24/2023	334	267	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-35S	BRGWC-34S	BRGWC-37S
1/25/2023			0.325 (J)
8/22/2023		299	0.355 (J)
8/23/2023	269		
1/30/2024	278		
1/31/2024		289	0.258 (J)
8/27/2024			0.279 (J)
8/28/2024	251	308	
2/18/2025			
2/26/2025	266	400	0.348 (J)
8/26/2025			
9/2/2025		499	0.273 (J)
9/3/2025	241		

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWC-38S	BRGWC-36S	BRGWC-35S	BRGWC-17S	BRGWC-33S
8/31/2016	151	154	138	88					
9/1/2016									
9/7/2016					750	528	486	331	382
9/8/2016									
11/15/2016		123							
11/16/2016	69		77	41					
11/17/2016							453	308	382
11/18/2016						524			
11/21/2016					795				
2/20/2017		158	170						
2/21/2017	68			<10					
2/22/2017							541	341	387
2/23/2017					733	517			
4/17/2017									
5/15/2017									
6/12/2017	161	142	132						
6/13/2017				53					
6/14/2017									316
6/15/2017					812	566	548	333	
9/26/2017	167	138	108	45					
9/27/2017									303
9/28/2017					690	475	487	310	
2/13/2018	165	150	141	63					
2/15/2018					722	513	500	292	332
6/26/2018	188	154	133	71					
6/27/2018							347	353	538
6/28/2018					704	499			
12/18/2018	145	147	138	78					358
12/19/2018						521	489	317	
12/20/2018					642				
3/19/2019	154	146	130	68		498		303	
3/20/2019					615		501		338
10/15/2019	140	144	175	66					
10/16/2019					630		481		281
12/3/2019						498		378	
3/3/2020	155	130	<10	41				263	
3/5/2020					608	457	535		292
9/15/2020	116	116	100	69					
9/16/2020						463	474	316	88
9/17/2020					587				
3/1/2021	98								
3/2/2021		96	80	43					
3/3/2021						442			212
3/4/2021					540		480	316	
9/21/2021		104	108						
9/22/2021	129			66		457		323	190
9/23/2021					528		511		
2/1/2022	126	124	129	72	560	441	521	354	209
2/2/2022									
8/23/2022	117	101	107	45	568				614
8/24/2022						418	507	370	
1/24/2023	93	104	124	63			507	344	615

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWC-38S	BRGWC-36S	BRGWC-35S	BRGWC-17S	BRGWC-33S
1/25/2023					484	418			
8/22/2023	81	73	80	36					778
8/23/2023					459	398	485	391	
1/30/2024	98	113	118	54			502	413	
1/31/2024					393	435			1420
8/27/2024	82	101	107	51	370				
8/28/2024						389	479	421	1880
2/18/2025	84	92	106	44					
2/26/2025					329	375	490	400	2440
8/26/2025	89	115	123	76					
9/2/2025					348				
9/3/2025						394	505	453	2050

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-34S	BRGWA-6S (bg)	BRGWC-37S
8/31/2016			
9/1/2016		299 (O)	
9/7/2016			
9/8/2016	663		
11/15/2016		41	
11/16/2016			
11/17/2016	651		
11/18/2016			
11/21/2016			
2/20/2017		133	
2/21/2017			
2/22/2017	706		
2/23/2017			45
4/17/2017			53
5/15/2017			48
6/12/2017		61	
6/13/2017			
6/14/2017	643		
6/15/2017			63
9/26/2017		29	
9/27/2017	579		
9/28/2017			39
2/13/2018		61	
2/15/2018	612		54
6/26/2018		71	
6/27/2018	359		
6/28/2018			59
12/18/2018	535	70	
12/19/2018			68
12/20/2018			
3/19/2019		72	
3/20/2019	517		68
10/15/2019		63	
10/16/2019	473		49
12/3/2019			
3/3/2020		54	
3/5/2020	489		39
9/15/2020		79	
9/16/2020	392		31
9/17/2020			
3/1/2021		39	
3/2/2021			
3/3/2021	422		33
3/4/2021			
9/21/2021			
9/22/2021	406	62	
9/23/2021			49
2/1/2022	449	61	
2/2/2022			46
8/23/2022		52	40
8/24/2022	452		
1/24/2023	433	64	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/22/2025 11:56 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-34S	BRGWA-6S (bg)	BRGWC-37S
1/25/2023			28
8/22/2023	495	30	42
8/23/2023			
1/30/2024		45	
1/31/2024	494		37
8/27/2024		57	40
8/28/2024	562		
2/18/2025		46	
2/26/2025	609		23
8/26/2025		48	
9/2/2025	890		44
9/3/2025			

FIGURE E.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 12:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWC-35S	0.1425	195	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-36S	0.02384	124	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-38S	-0.06539	-131	-92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2S (bg)	0.2173	139	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-5S (bg)	-0.5779	-108	-92	Yes	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-6S (bg)	0.1097	132	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-17S	2.263	168	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-36S	-1.214	-130	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5I (bg)	-0.09746	-94	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5S (bg)	-0.06939	-136	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-17S	0.184	134	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-33S	4.785	114	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-35S	0.06009	93	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-36S	0.5172	154	92	Yes	22	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2I (bg)	-0.07589	-175	-111	Yes	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2S (bg)	-0.0418	-186	-118	Yes	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-5S (bg)	-0.03735	-115	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-2I (bg)	-0.3437	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-17S	9.943	149	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-36S	-11.82	-144	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-38S	-34.65	-194	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-2I (bg)	-9.299	-96	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5S (bg)	-6.64	-138	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-17S	11.28	118	92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-36S	-17.42	-192	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-38S	-48.23	-205	-92	Yes	22	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

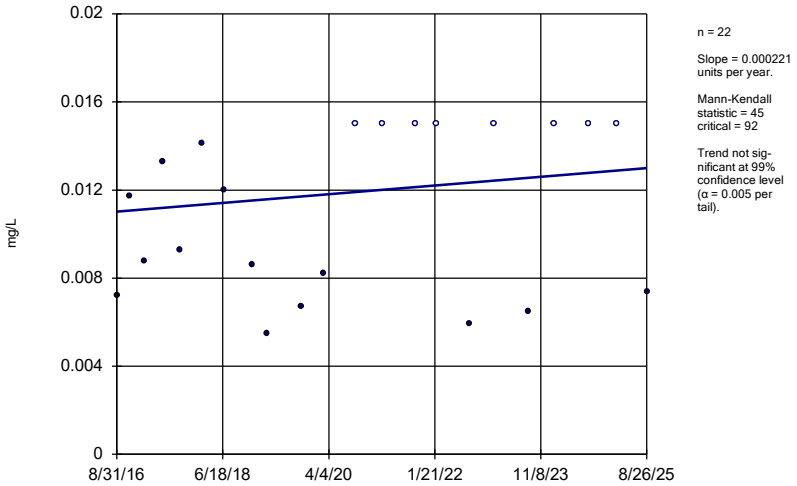
Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 12:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWA-2I (bg)	0.000221	45	92	No	22	36.36	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-2S (bg)	0	-26	-92	No	22	81.82	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5I (bg)	0	-38	-92	No	22	68.18	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5S (bg)	0	-39	-92	No	22	50	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-6S (bg)	0	-19	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-17S	0.00427	68	98	No	23	30.43	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-33S	0.01253	35	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-34S	-0.01932	-44	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-35S**	**0.1425**	**195**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-36S**	**0.02384**	**124**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-38S**	**-0.06539**	**-131**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-2I (bg)	0.01811	4	92	No	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2173**	**139**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-5I (bg)	0.2988	91	92	No	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.5779**	**-108**	**-92**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1097**	**132**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWC-17S**	**2.263**	**168**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-33S	13.17	69	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-34S	-1.088	-31	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-35S	0.887	72	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-36S**	**-1.214**	**-130**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-2I (bg)	0	-8	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-2S (bg)	0.02936	43	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-5I (bg)**	**-0.09746**	**-94**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06939**	**-136**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-6S (bg)	-0.007123	-39	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-17S**	**0.184**	**134**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWC-33S**	**4.785**	**114**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-34S	0.09746	26	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-35S**	**0.06009**	**93**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWC-36S**	**0.5172**	**154**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-38S	0.1308	71	92	No	22	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-2I (bg)	0	-54	-105	No	24	45.83	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-2S (bg)	0	64	105	No	24	50	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5I (bg)	0	85	105	No	24	58.33	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5S (bg)	0	14	105	No	24	29.17	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-6S (bg)	0	5	105	No	24	45.83	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWC-38S	-0.04644	-91	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07589**	**-175**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.0418**	**-186**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-5I (bg)	-0.01352	-57	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03735**	**-115**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-6S (bg)	-0.01337	-33	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-33S	-0.01075	-66	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-36S	0.001742	8	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-38S	-0.05991	-112	-118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3437**	**-105**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-2S (bg)	-0.02336	-41	-92	No	22	22.73	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5I (bg)	-0.1344	-71	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5S (bg)	-0.03362	-87	-92	No	22	22.73	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-6S (bg)	-0.009389	-54	-92	No	22	18.18	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-17S**	**9.943**	**149**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-33S	32.84	54	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-34S	-14.04	-86	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-35S	-0.9656	-37	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-36S**	**-11.82**	**-144**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-38S**	**-34.65**	**-194**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-9.299**	**-96**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-2S (bg)	-0.1351	-5	-92	No	22	4.545	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5I (bg)	-2.696	-63	-92	No	22	4.545	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.64**	**-138**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-6S (bg)	-2.111	-47	-87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-17S**	**11.28**	**118**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-33S	63.38	62	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-34S	-16.36	-45	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-35S	0.4044	8	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-36S**	**-17.42**	**-192**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWC-38S**	**-48.23**	**-205**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 22

Slope = 0.000221 units per year.

Mann-Kendall statistic = 45
critical = 92

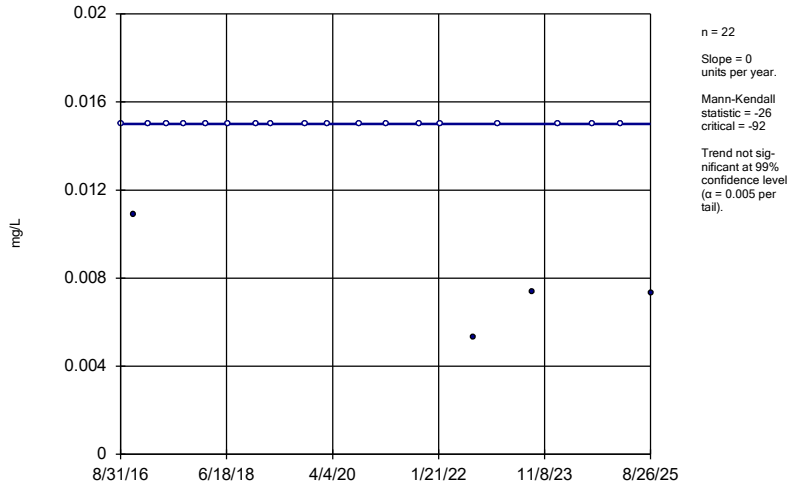
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -26
critical = -92

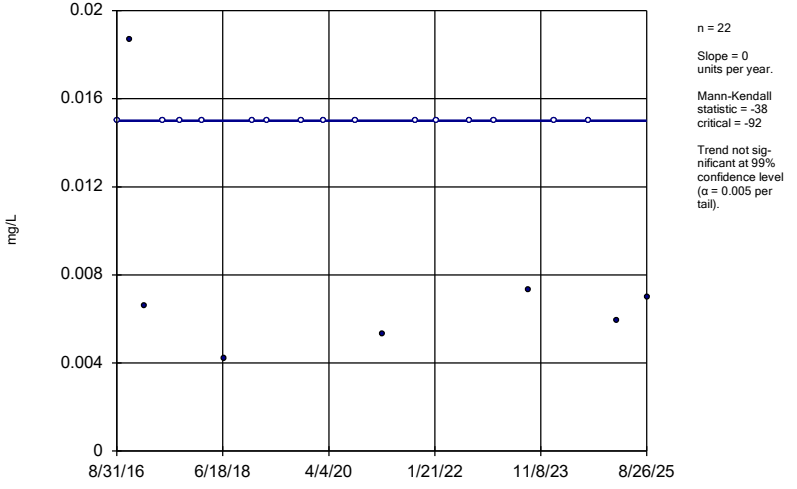
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -38
critical = -92

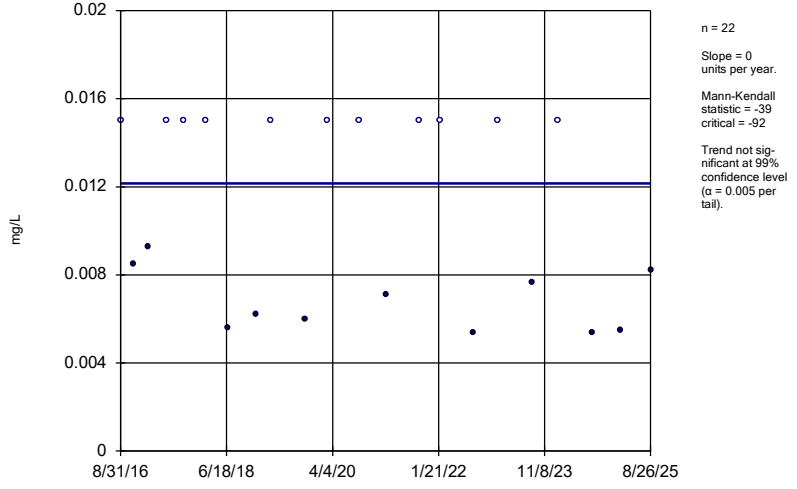
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -39
critical = -92

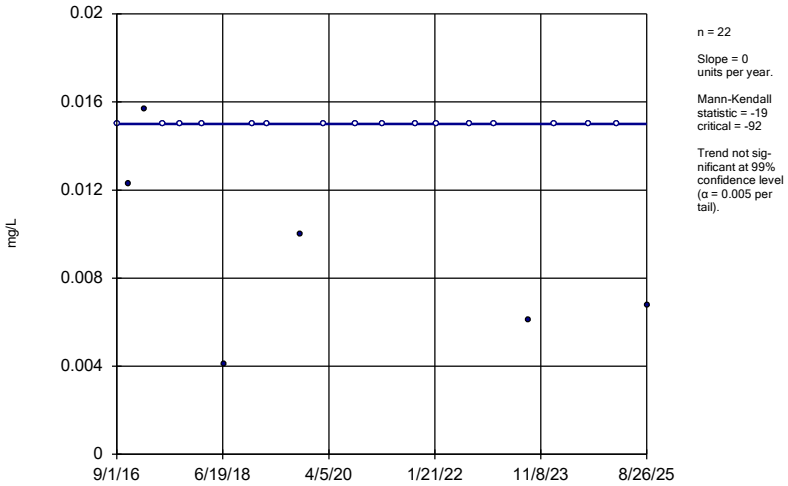
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -19
critical = -92

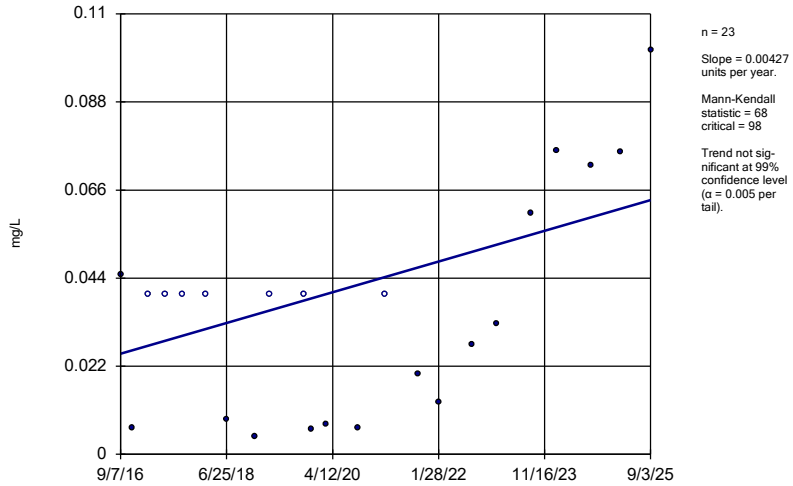
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWC-17S



n = 23

Slope = 0.00427 units per year.

Mann-Kendall statistic = 68
critical = 98

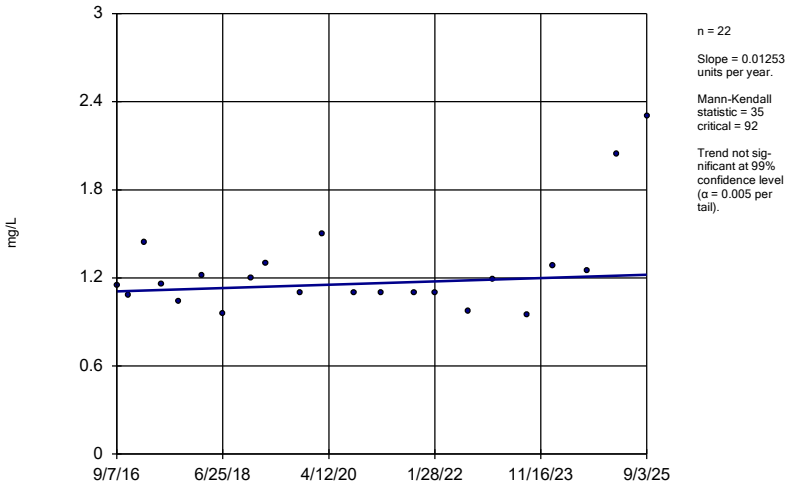
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-33S



n = 22

Slope = 0.01253 units per year.

Mann-Kendall statistic = 35
critical = 92

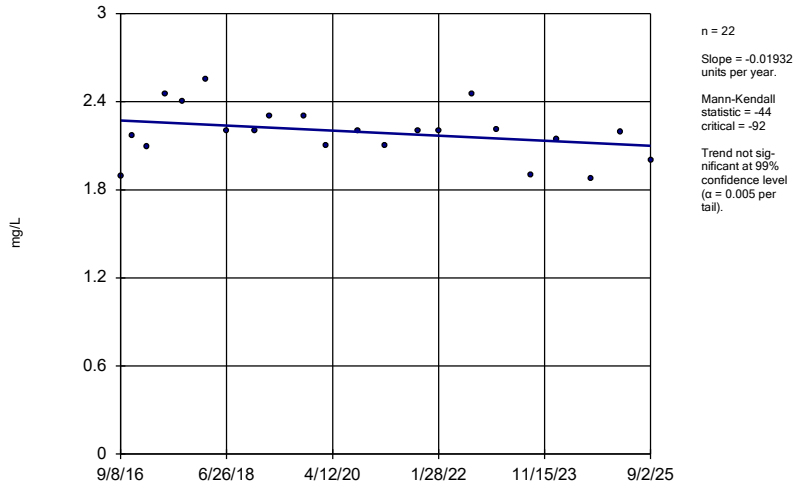
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-34S



n = 22

Slope = -0.01932 units per year.

Mann-Kendall statistic = -44
critical = -92

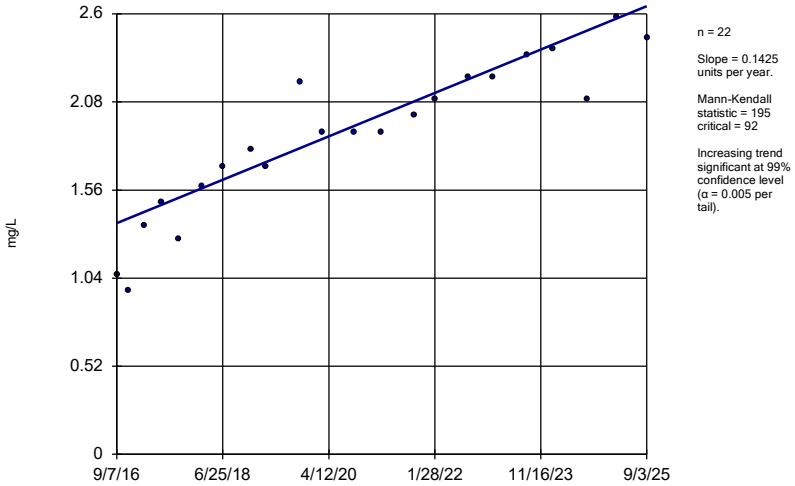
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-35S



n = 22

Slope = 0.1425 units per year.

Mann-Kendall statistic = 195 critical = 92

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

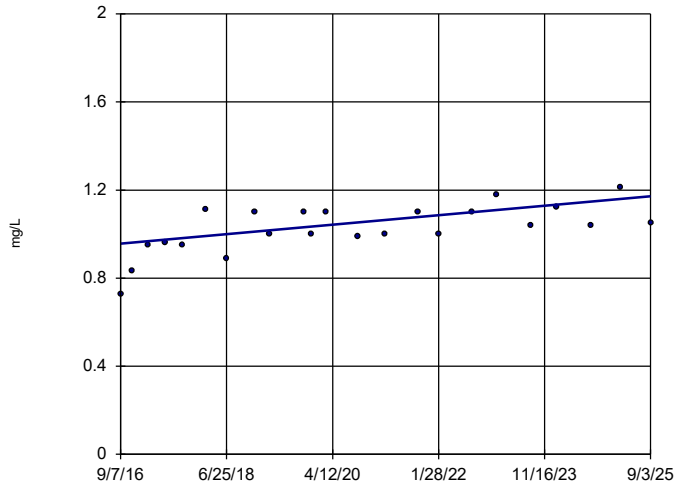
Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-36S



n = 23

Slope = 0.02384 units per year.

Mann-Kendall statistic = 124 critical = 98

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

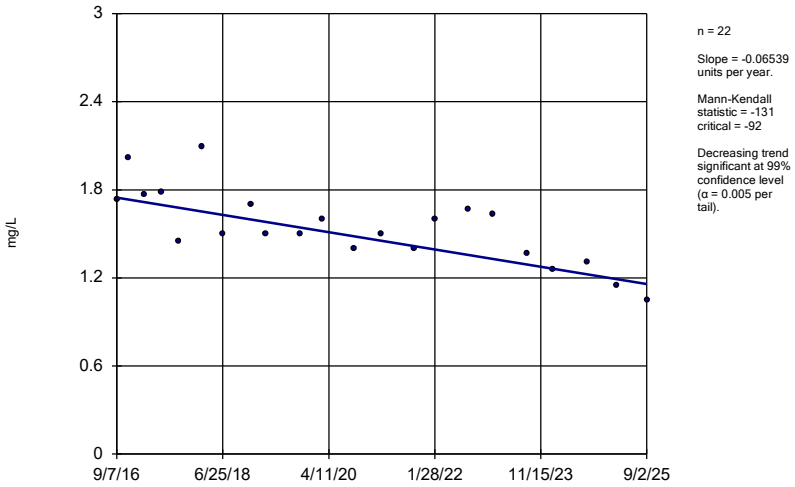
Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 22

Slope = -0.06539 units per year.

Mann-Kendall statistic = -131 critical = -92

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

Constituent: Boron Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

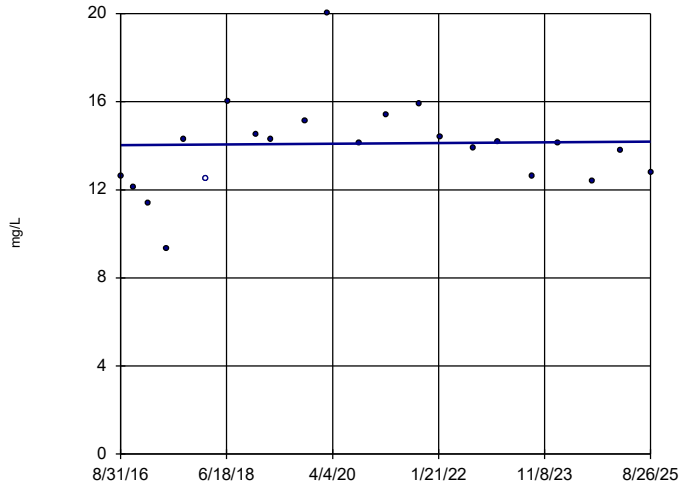
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 22

Slope = 0.01811 units per year.

Mann-Kendall statistic = 4 critical = 92

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

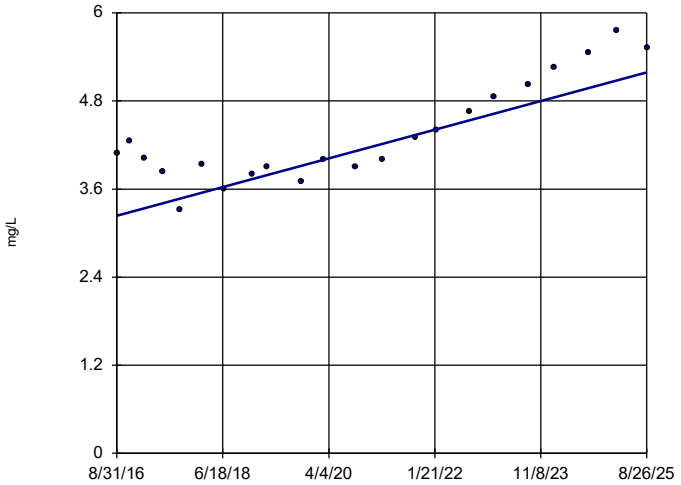
Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = 0.2173 units per year.

Mann-Kendall statistic = 139 critical = 92

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

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

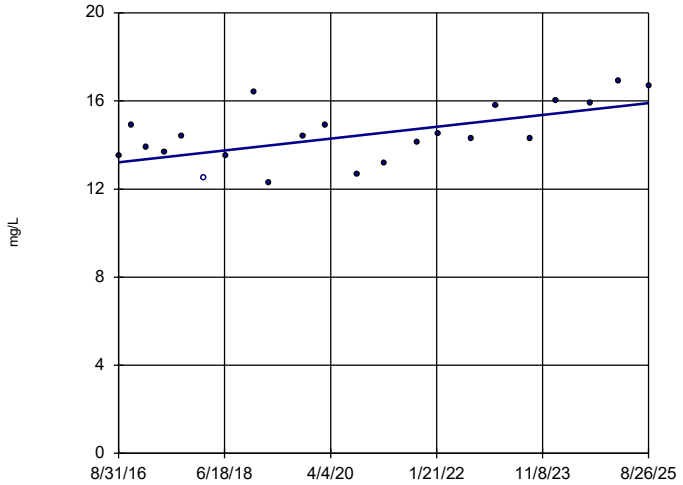
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = 0.2988 units per year.

Mann-Kendall statistic = 91 critical = 92

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

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

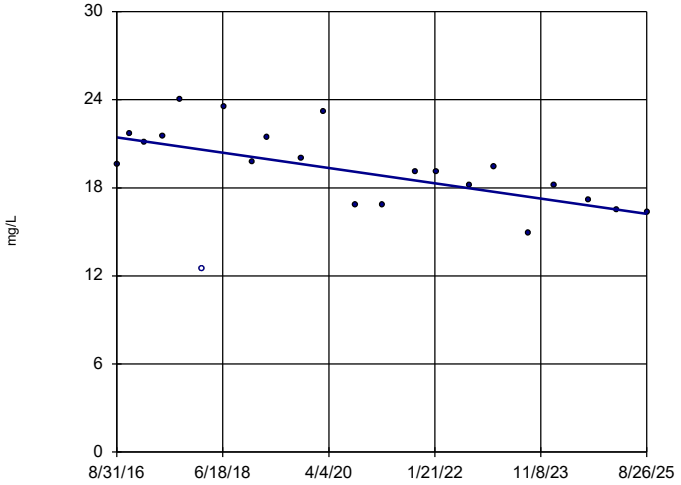
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 22

Slope = -0.5779 units per year.

Mann-Kendall statistic = -108 critical = -92

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

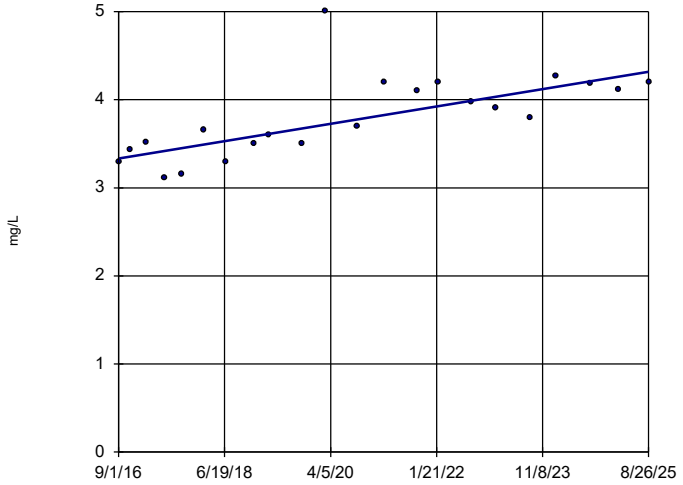
Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = 0.1097 units per year.

Mann-Kendall statistic = 132 critical = 92

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

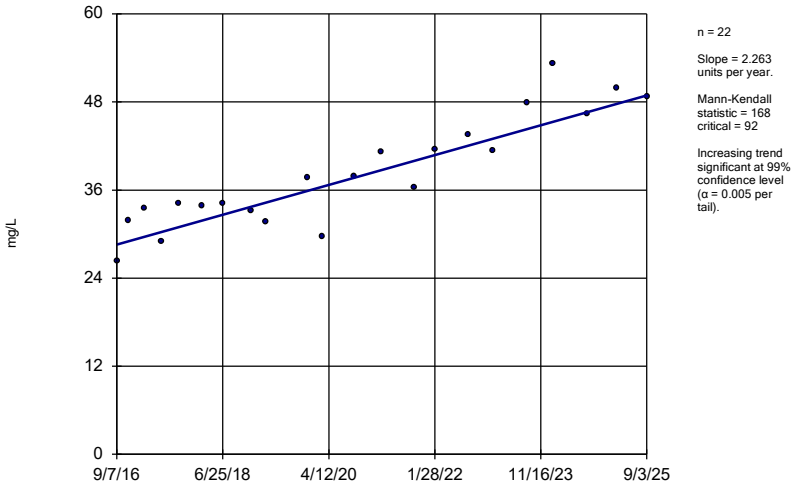
Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-17S



n = 22

Slope = 2.263 units per year.

Mann-Kendall statistic = 168
critical = 92

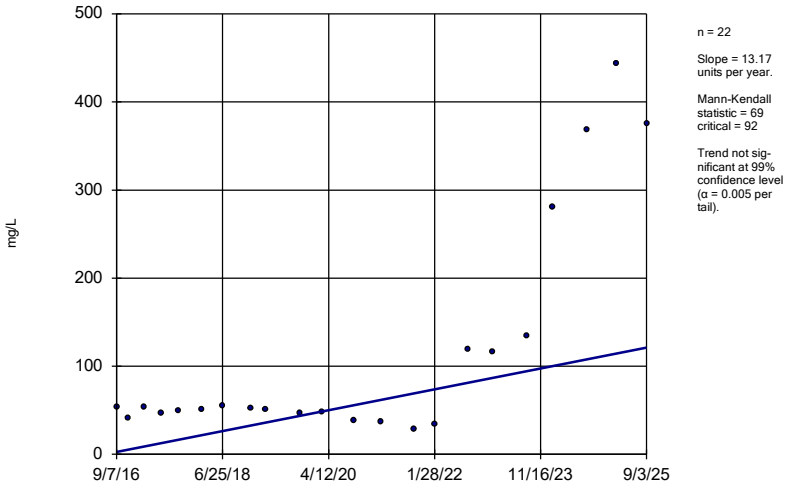
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-33S



n = 22

Slope = 13.17 units per year.

Mann-Kendall statistic = 69
critical = 92

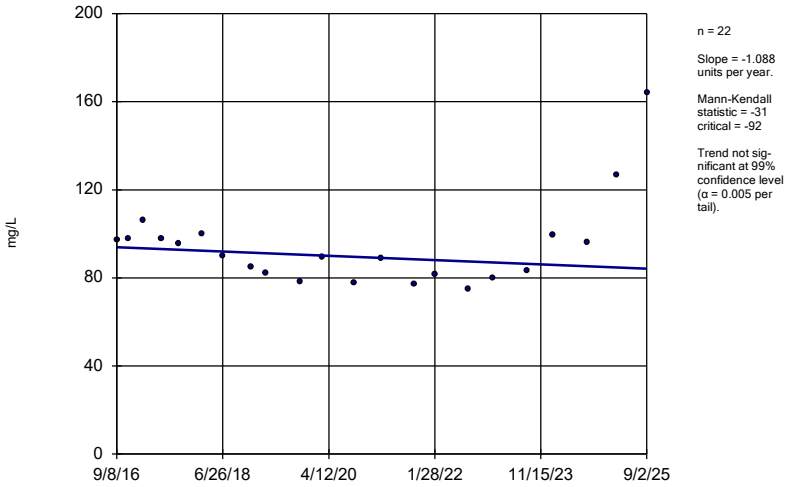
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-34S



n = 22

Slope = -1.088 units per year.

Mann-Kendall statistic = -31
critical = -92

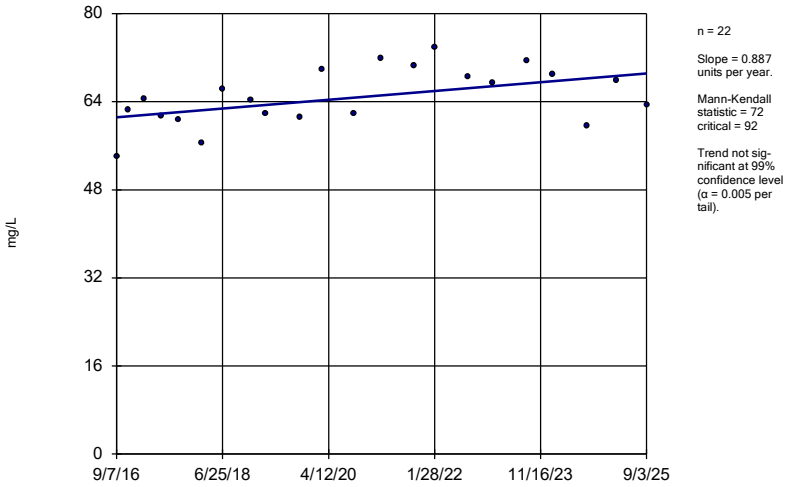
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-35S



n = 22

Slope = 0.887 units per year.

Mann-Kendall statistic = 72
critical = 92

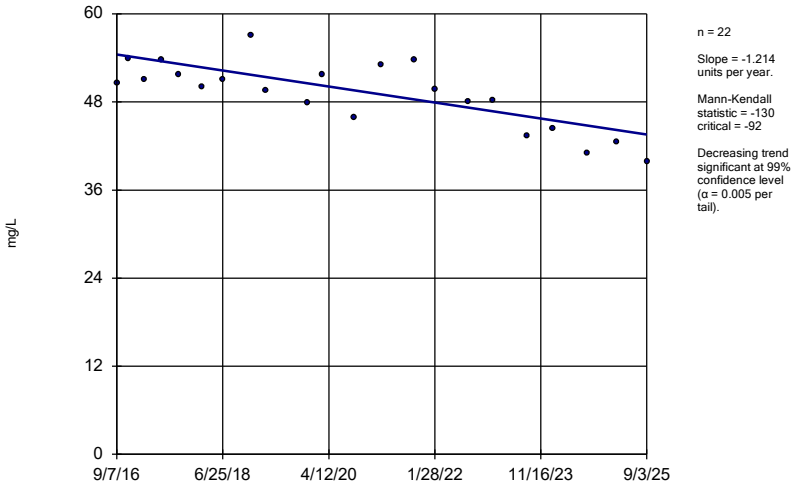
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-36S



n = 22

Slope = -1.214 units per year.

Mann-Kendall statistic = -130
critical = -92

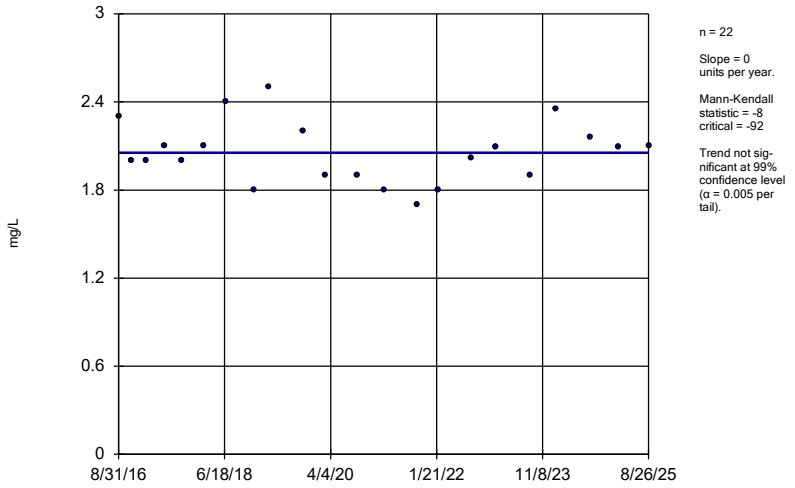
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -8
critical = -92

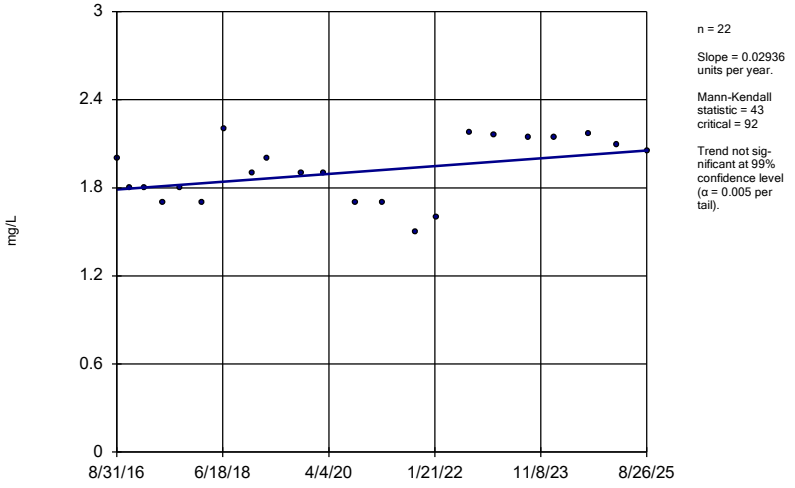
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = 0.02936 units per year.

Mann-Kendall statistic = 43
critical = 92

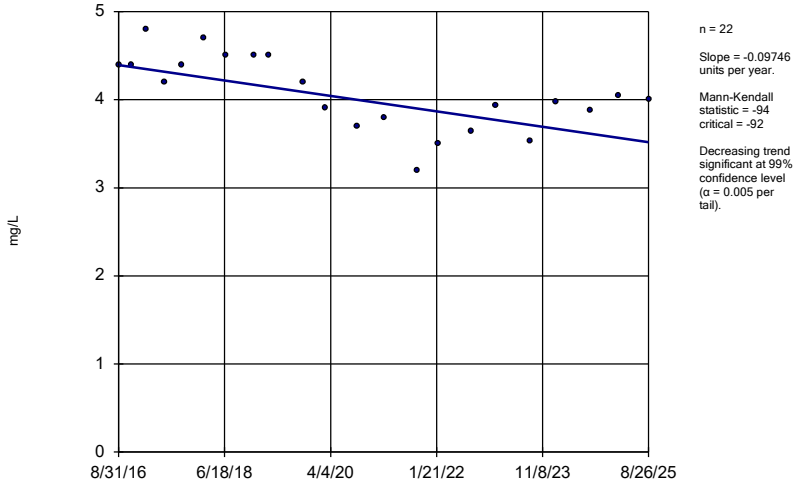
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = -0.09746 units per year.

Mann-Kendall statistic = -94
critical = -92

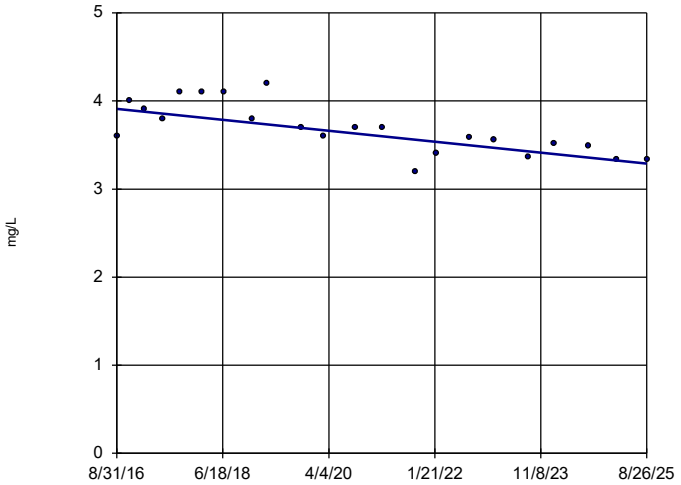
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 22

Slope = -0.06939 units per year.

Mann-Kendall statistic = -136
critical = -92

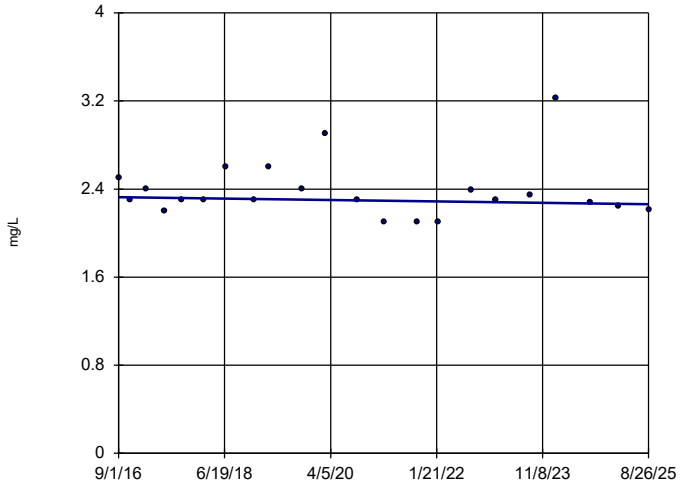
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = -0.007123 units per year.

Mann-Kendall statistic = -39
critical = -92

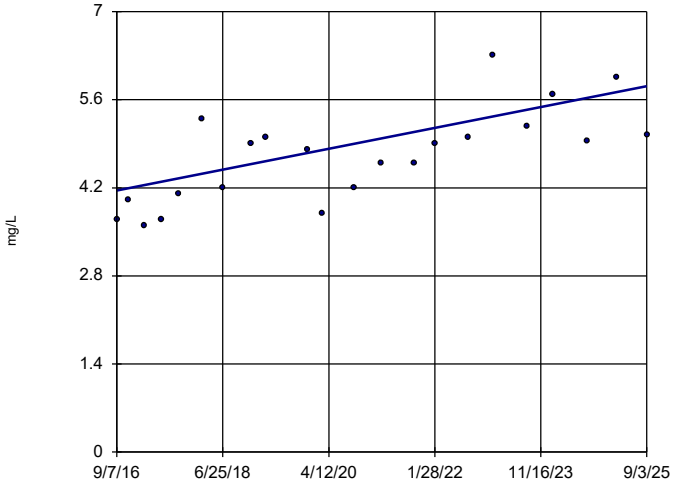
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:22 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-17S



n = 22

Slope = 0.184 units per year.

Mann-Kendall statistic = 134
critical = 92

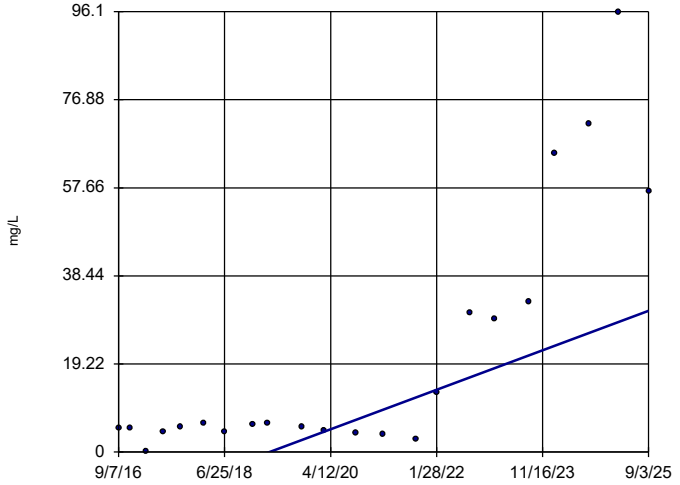
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-33S



n = 22

Slope = 4.785 units per year.

Mann-Kendall statistic = 114
critical = 92

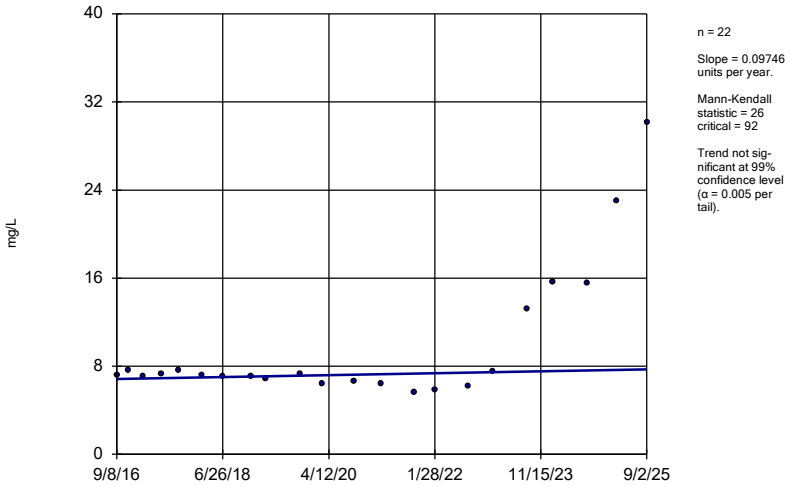
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-34S



n = 22

Slope = 0.09746 units per year.

Mann-Kendall statistic = 26
critical = 92

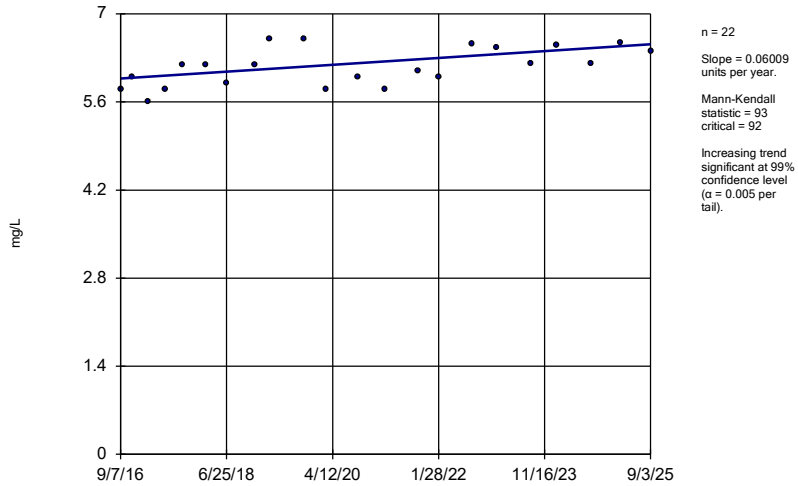
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-35S



n = 22

Slope = 0.06009 units per year.

Mann-Kendall statistic = 93
critical = 92

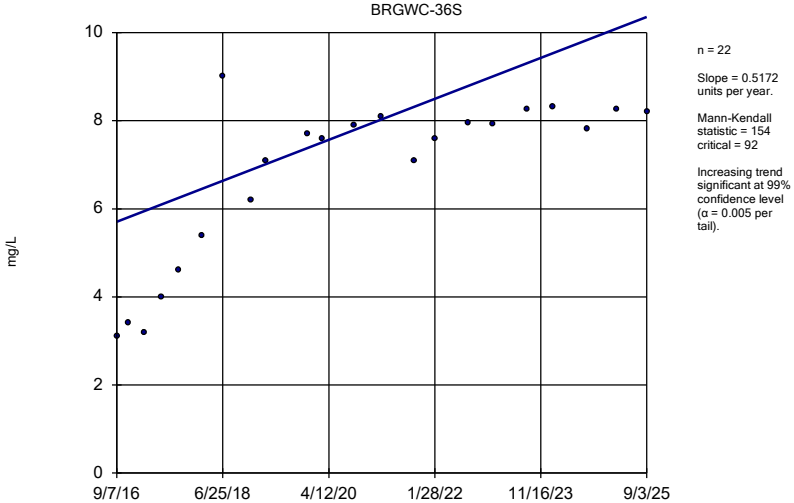
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-36S



n = 22

Slope = 0.5172 units per year.

Mann-Kendall statistic = 154
critical = 92

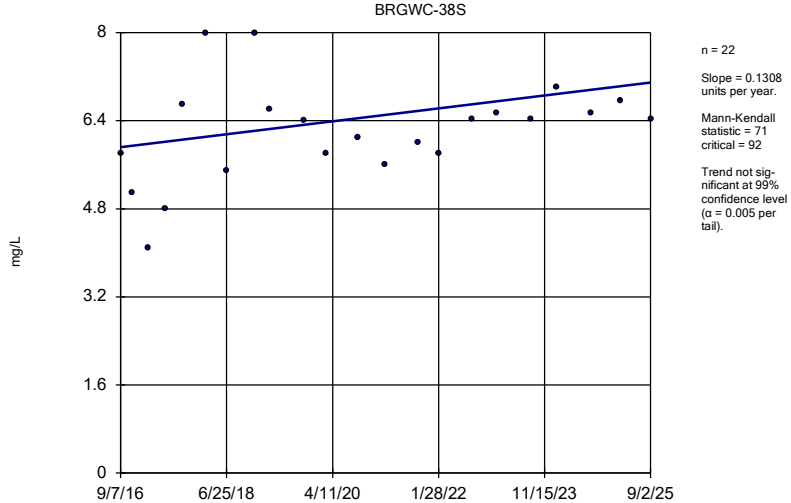
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 22

Slope = 0.1308 units per year.

Mann-Kendall statistic = 71
critical = 92

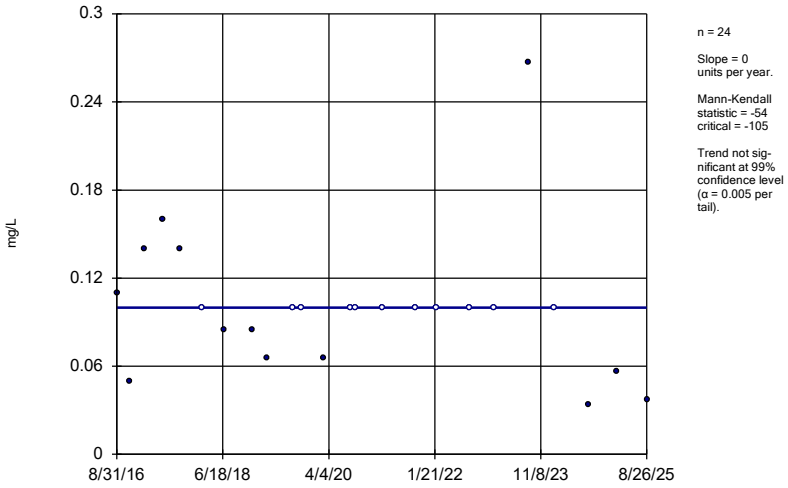
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -54
critical = -105

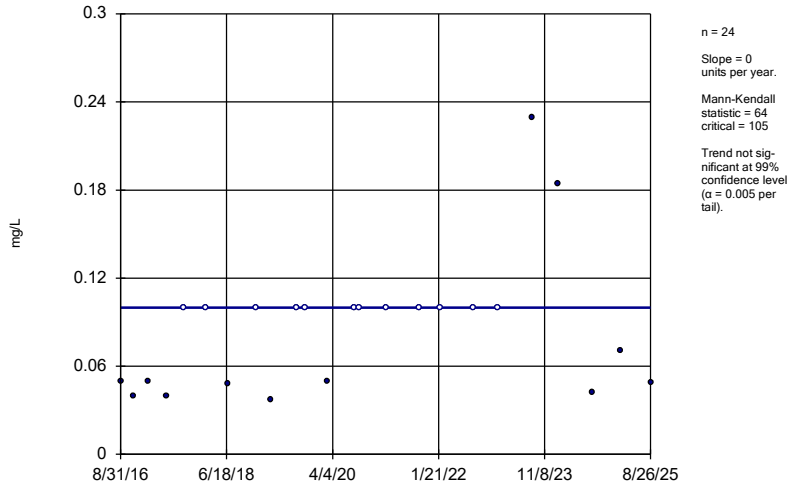
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 64
critical = 105

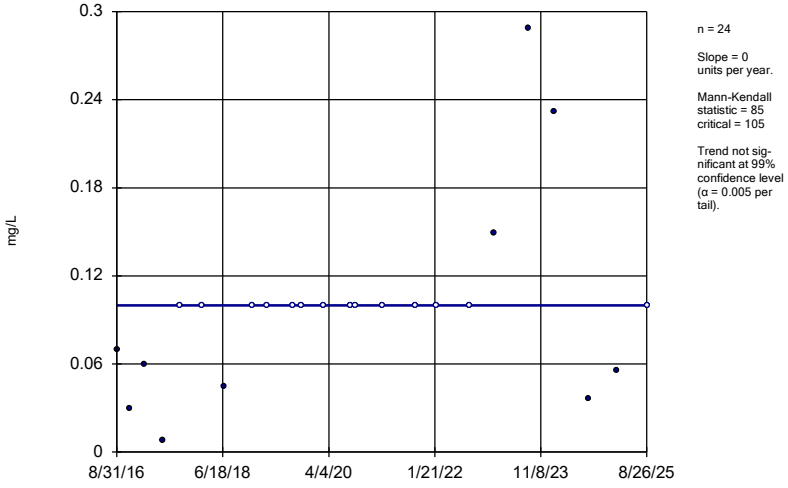
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 85
critical = 105

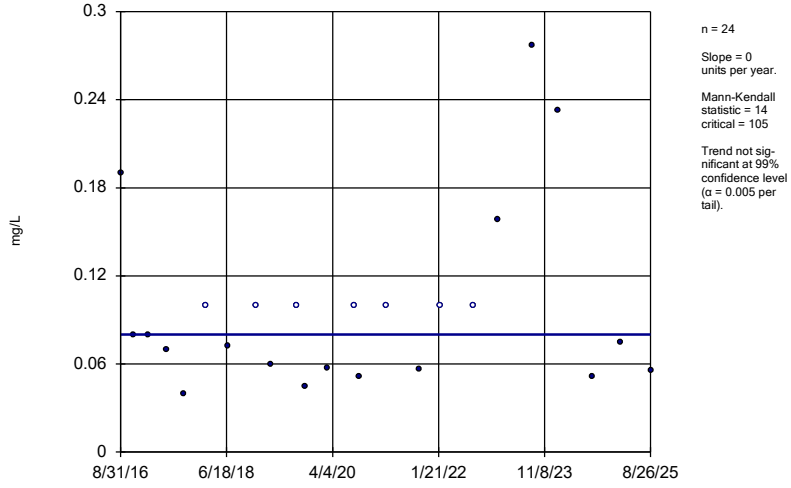
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 105

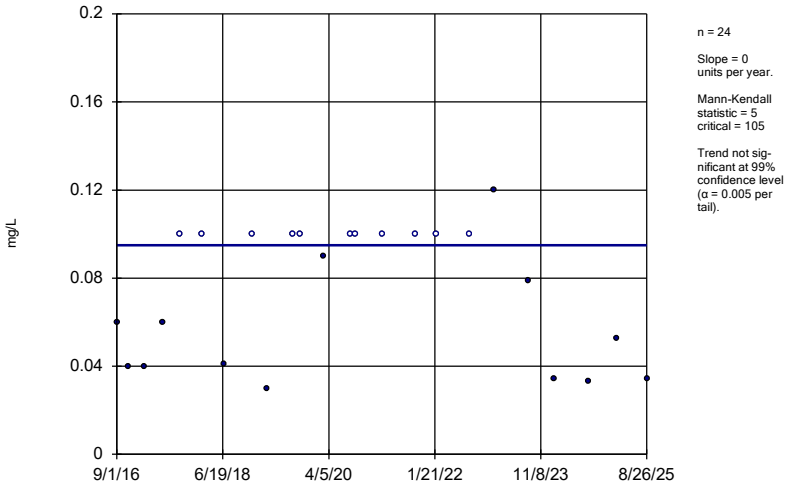
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 105

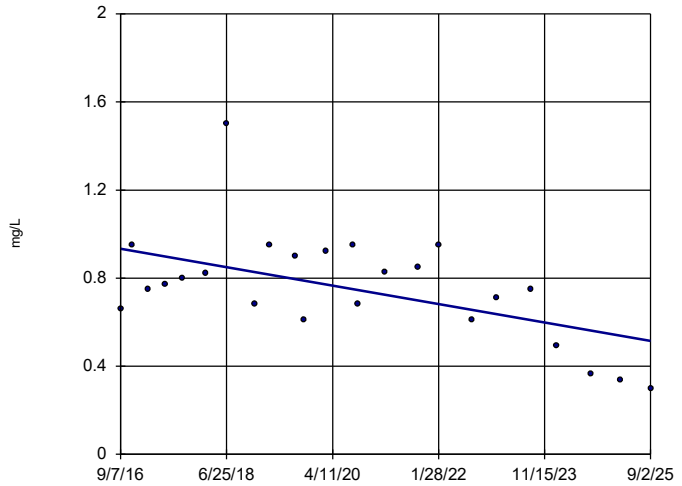
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 24

Slope = -0.04644 units per year.

Mann-Kendall statistic = -91
critical = -105

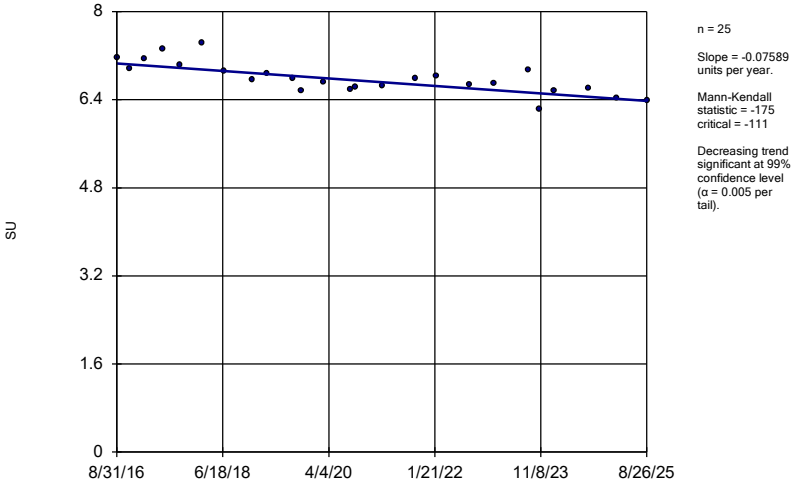
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 25

Slope = -0.07589 units per year.

Mann-Kendall statistic = -175
critical = -111

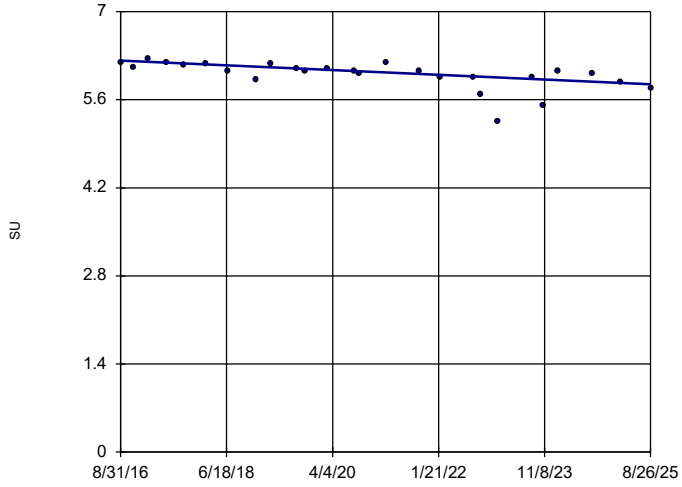
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 26

Slope = -0.0418 units per year.

Mann-Kendall statistic = -186
critical = -118

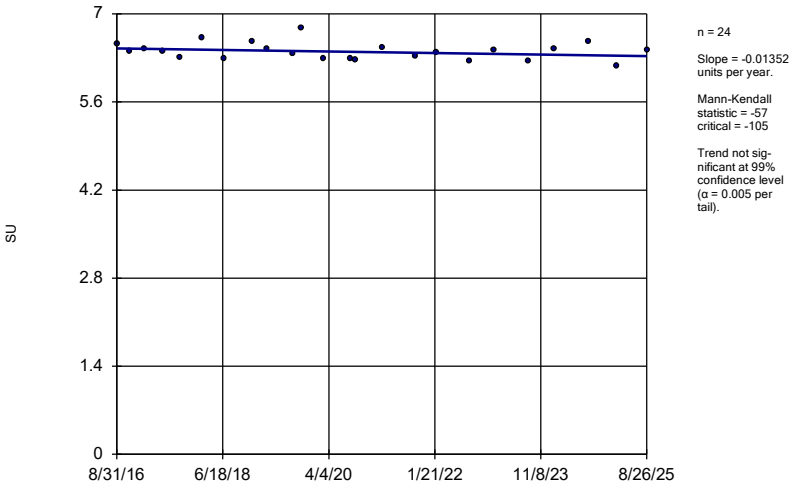
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = -0.01352 units per year.

Mann-Kendall statistic = -57
critical = -105

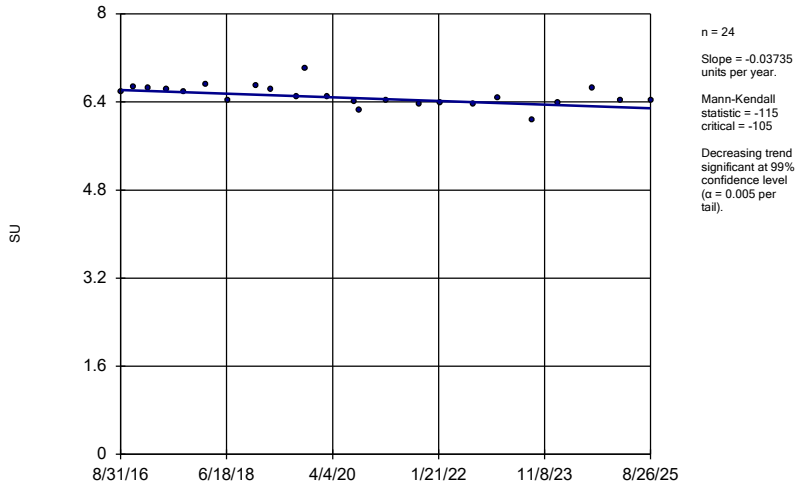
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = -0.03735 units per year.

Mann-Kendall statistic = -115
critical = -105

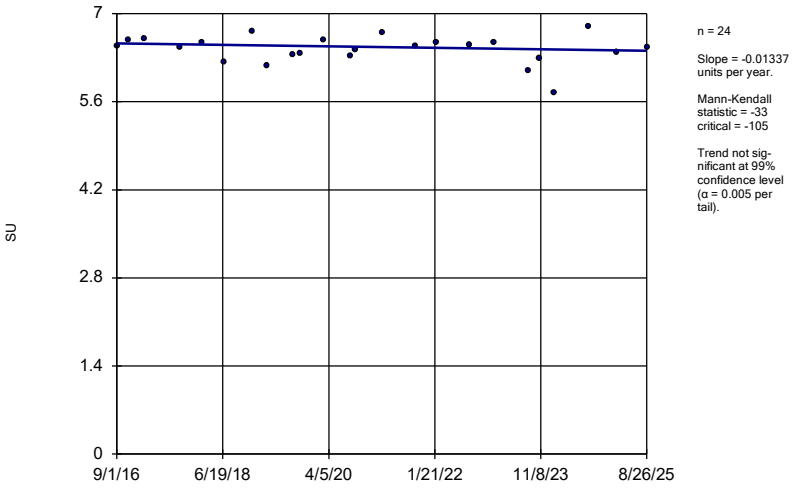
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = -0.01337 units per year.

Mann-Kendall statistic = -33
critical = -105

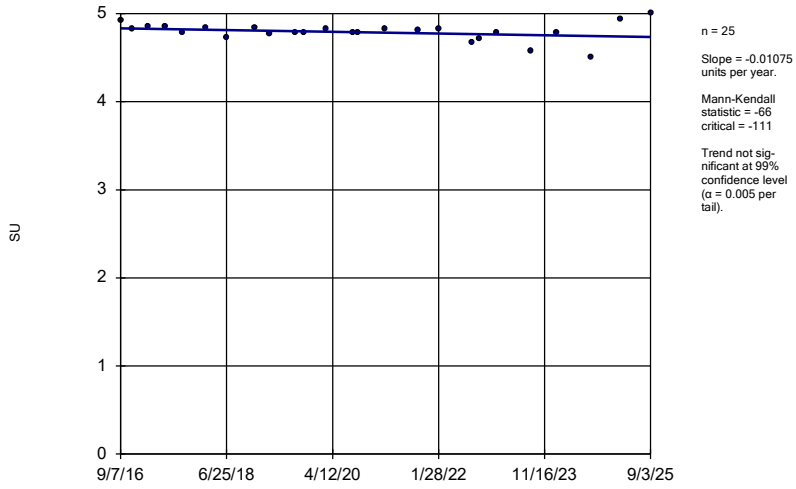
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-33S



n = 25

Slope = -0.01075 units per year.

Mann-Kendall statistic = -66
critical = -111

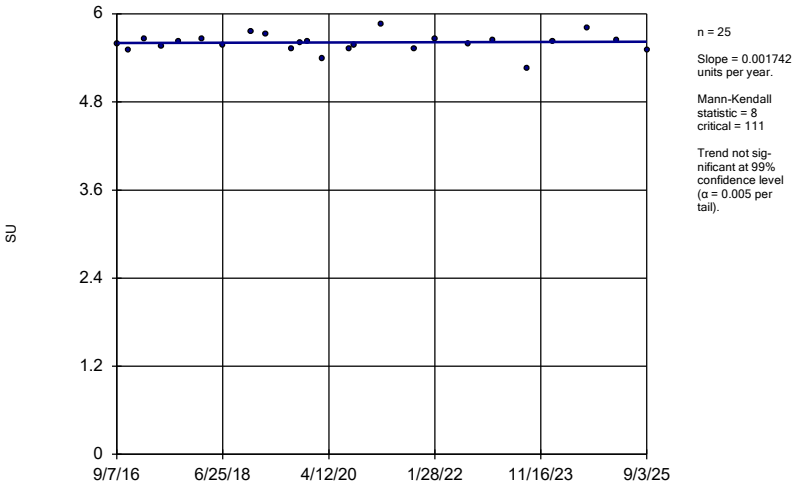
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-36S



n = 25

Slope = 0.001742 units per year.

Mann-Kendall statistic = 8
critical = 111

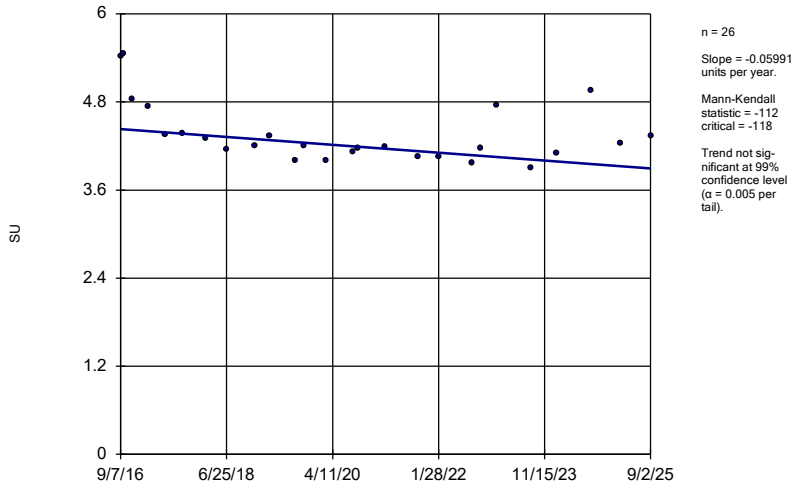
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 26

Slope = -0.05991 units per year.

Mann-Kendall statistic = -112
critical = -118

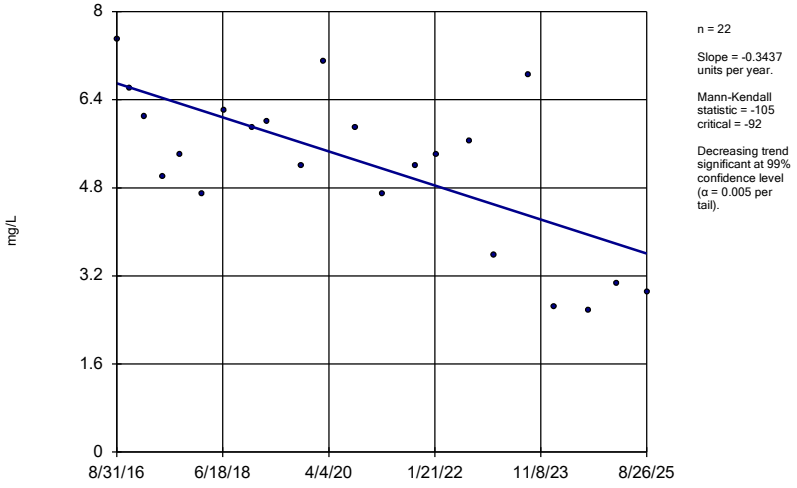
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 22

Slope = -0.3437 units per year.

Mann-Kendall statistic = -105
critical = -92

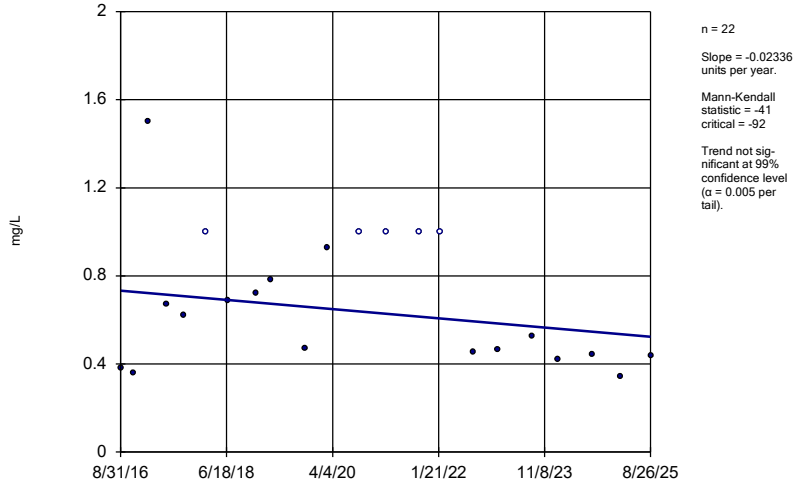
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = -0.02336 units per year.

Mann-Kendall statistic = -41
critical = -92

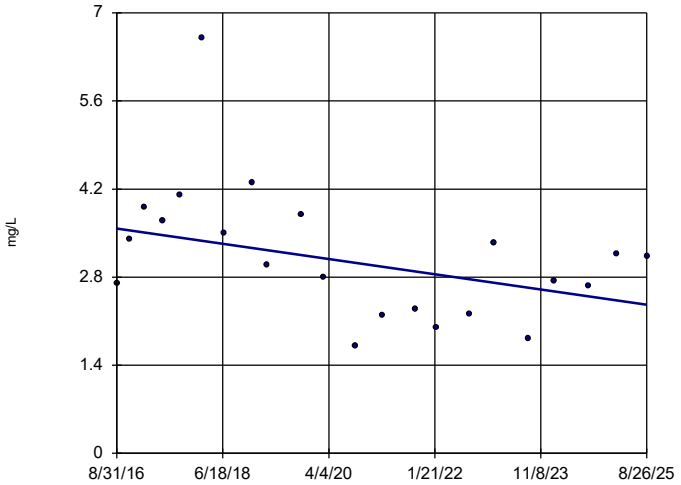
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = -0.1344 units per year.

Mann-Kendall statistic = -71
critical = -92

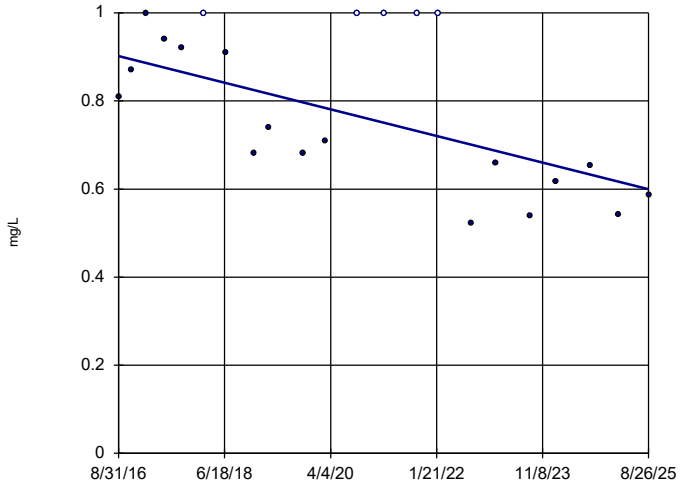
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 22

Slope = -0.03362 units per year.

Mann-Kendall statistic = -87
critical = -92

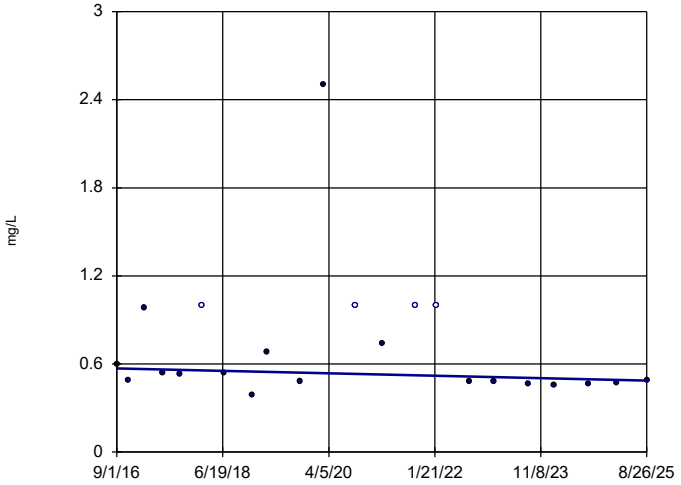
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = -0.009389 units per year.

Mann-Kendall statistic = -54
critical = -92

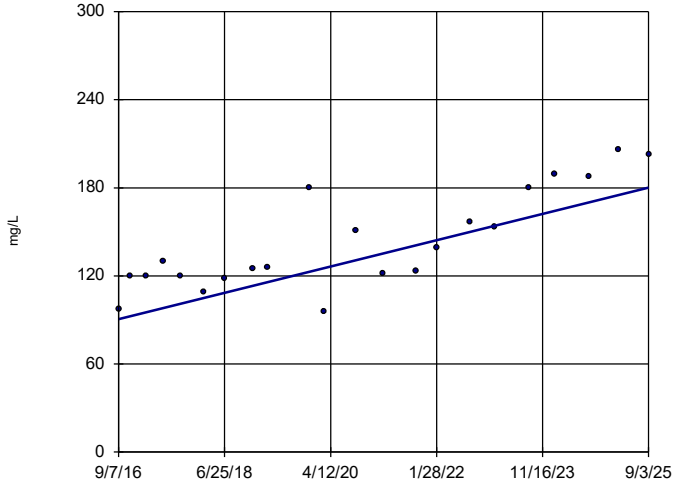
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-17S



n = 22

Slope = 9.943 units per year.

Mann-Kendall statistic = 149
critical = 92

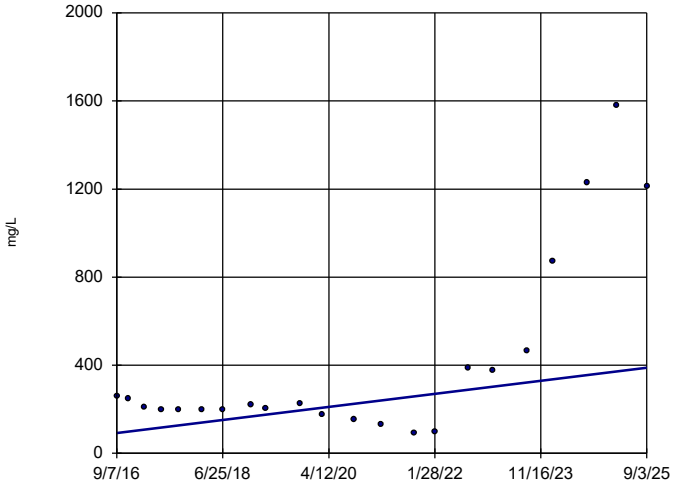
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-33S



n = 22

Slope = 32.84 units per year.

Mann-Kendall statistic = 54
critical = 92

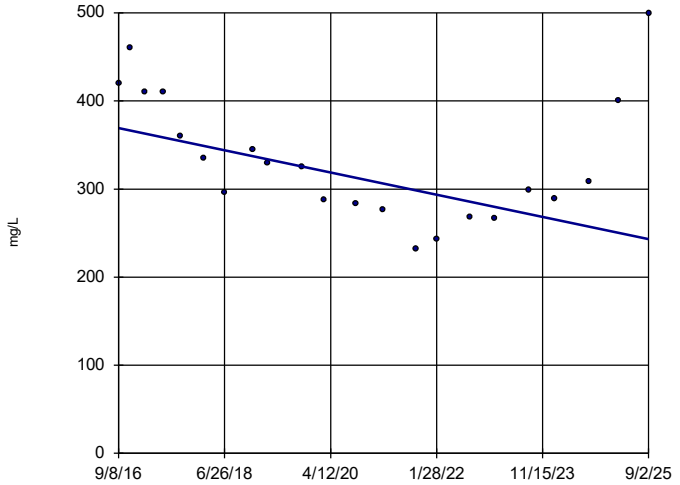
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-34S



n = 22

Slope = -14.04 units per year.

Mann-Kendall statistic = -86
critical = -92

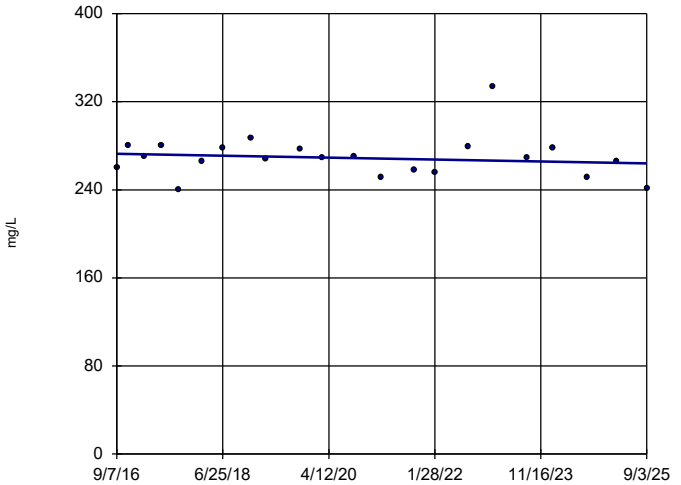
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-35S



n = 22

Slope = -0.9656 units per year.

Mann-Kendall statistic = -37
critical = -92

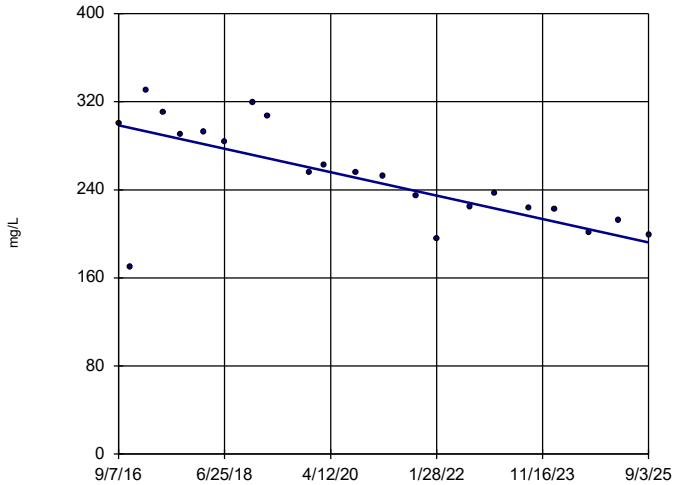
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-36S



n = 22

Slope = -11.82 units per year.

Mann-Kendall statistic = -144
critical = -92

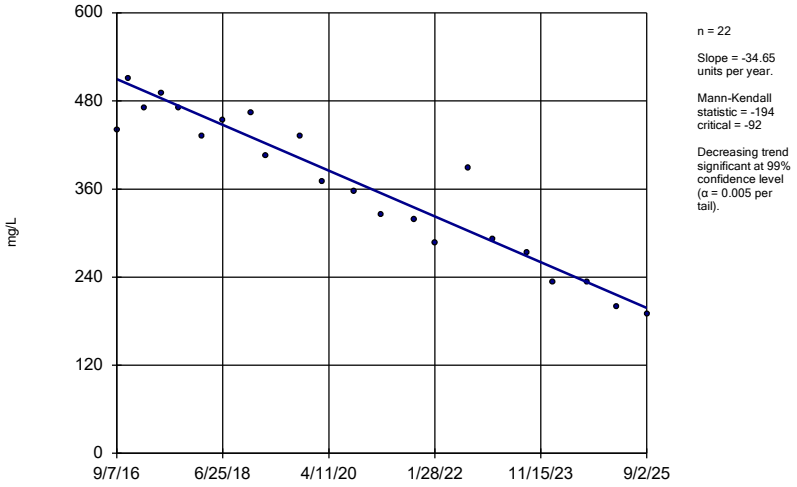
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 22

Slope = -34.65 units per year.

Mann-Kendall statistic = -194
critical = -92

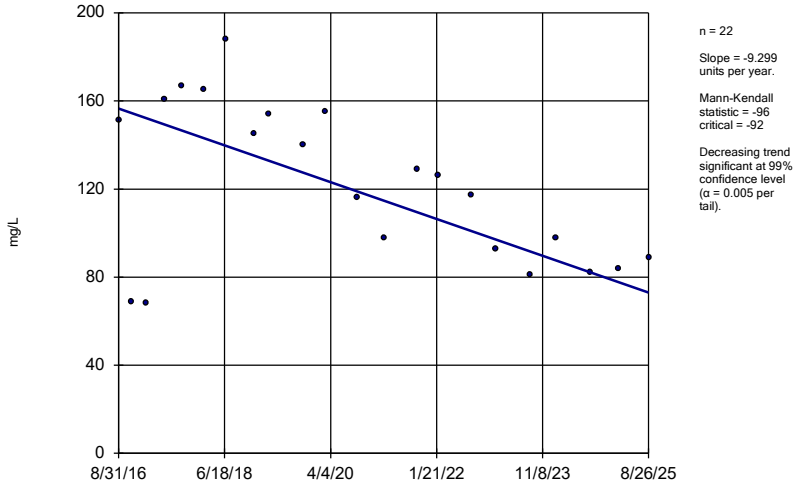
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 22

Slope = -9.299 units per year.

Mann-Kendall statistic = -96
critical = -92

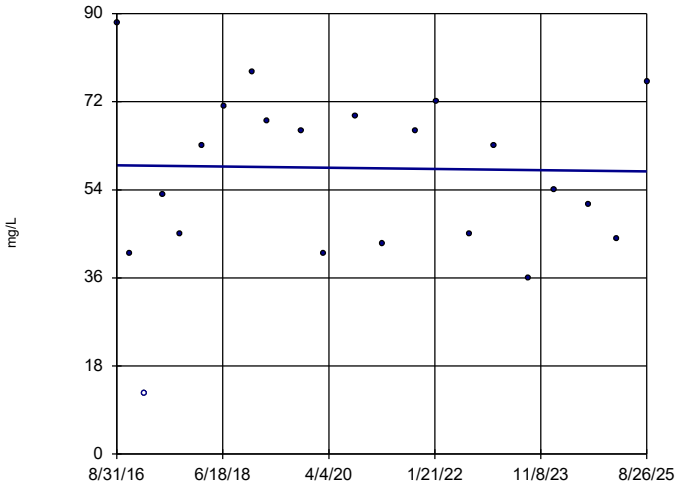
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = -0.1351 units per year.

Mann-Kendall statistic = -5
critical = -92

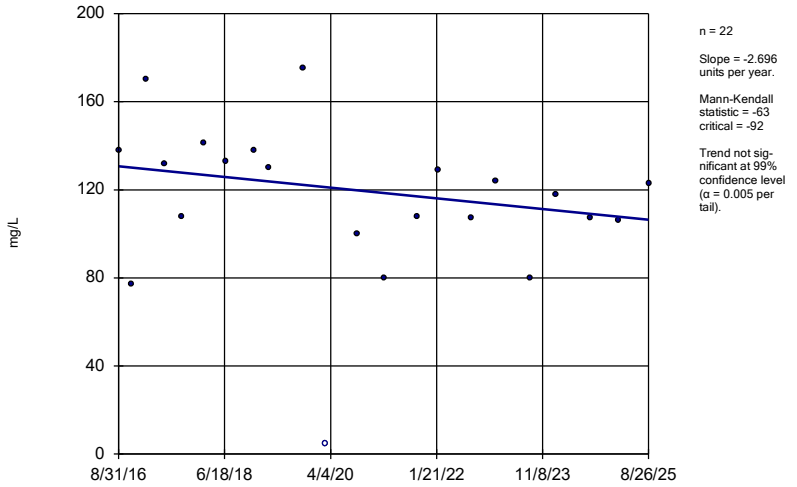
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = -2.696 units per year.

Mann-Kendall statistic = -63
critical = -92

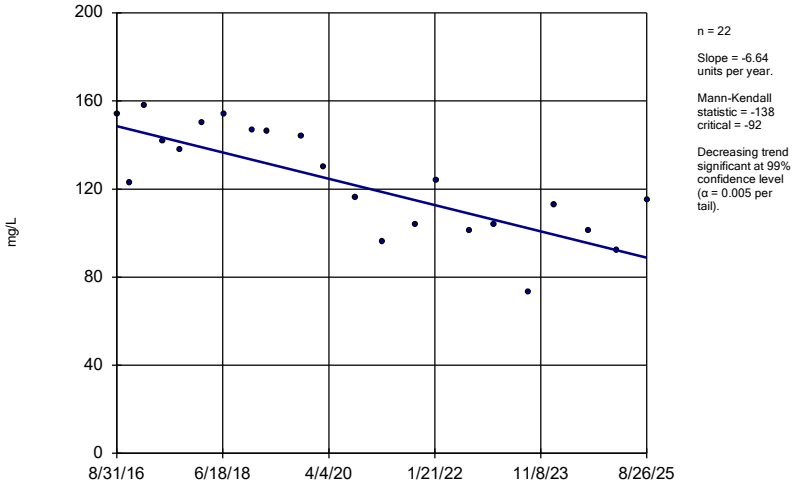
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 22

Slope = -6.64 units per year.

Mann-Kendall statistic = -138 critical = -92

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

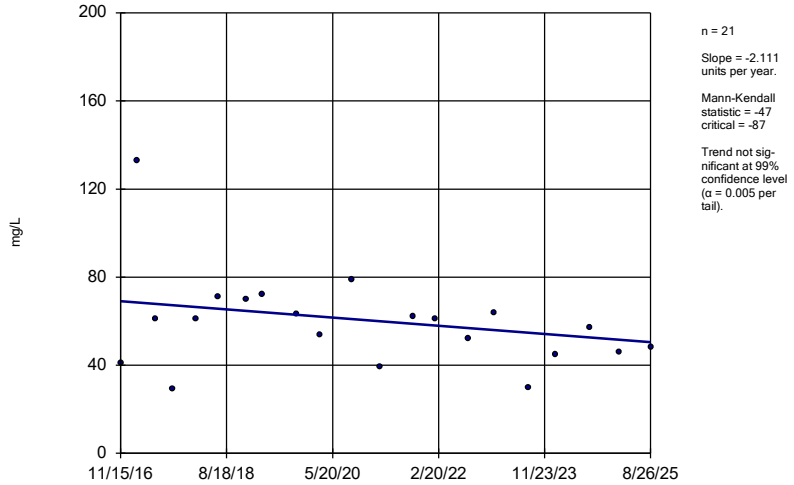
Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 21

Slope = -2.111 units per year.

Mann-Kendall statistic = -47 critical = -87

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

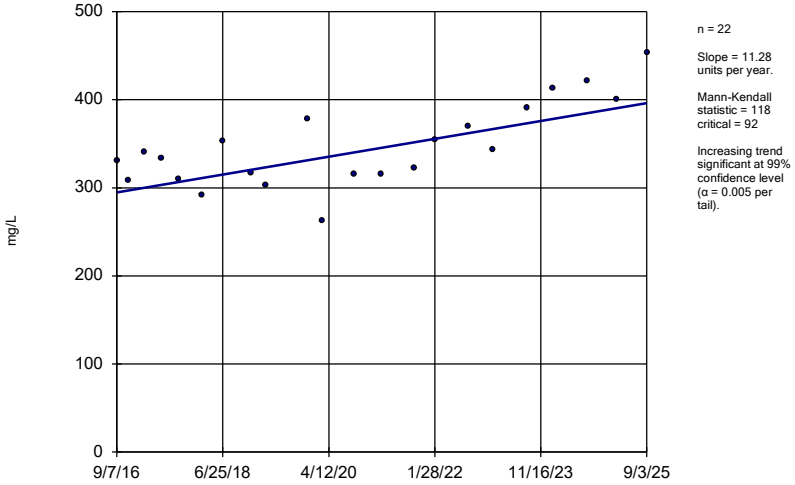
Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-17S



n = 22

Slope = 11.28 units per year.

Mann-Kendall statistic = 118 critical = 92

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

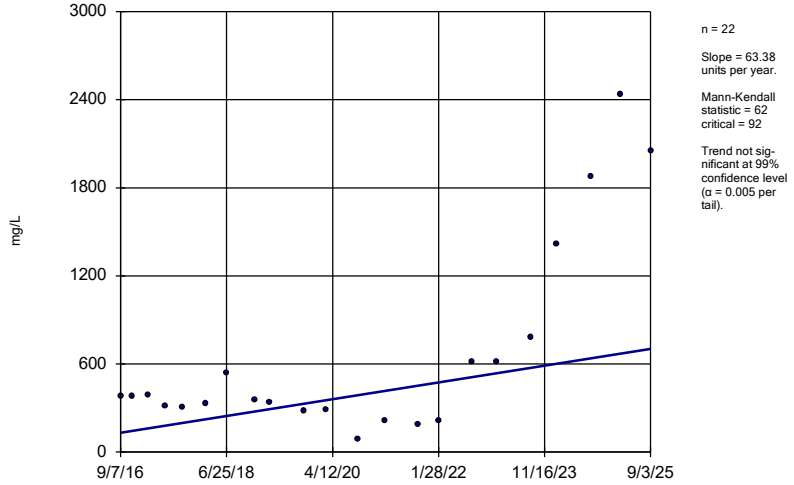
Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-33S



n = 22

Slope = 63.38 units per year.

Mann-Kendall statistic = 62 critical = 92

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

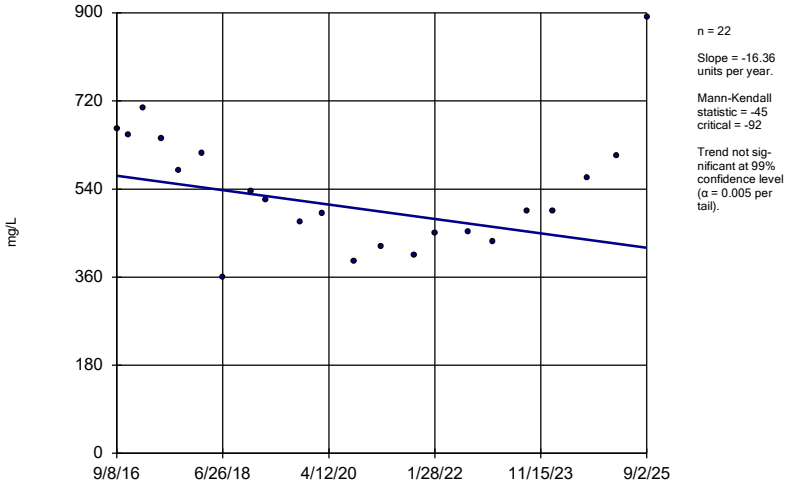
Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-34S



n = 22

Slope = -16.36 units per year.

Mann-Kendall statistic = -45
critical = -92

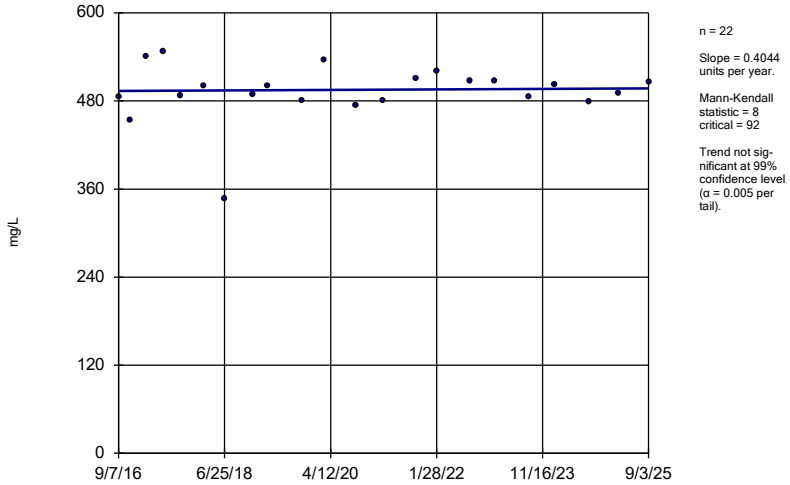
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-35S



n = 22

Slope = 0.4044 units per year.

Mann-Kendall statistic = 8
critical = 92

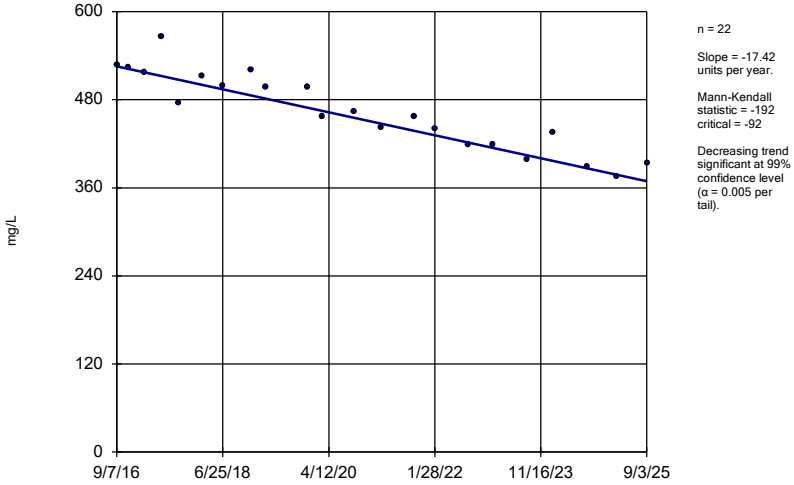
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-36S



n = 22

Slope = -17.42 units per year.

Mann-Kendall statistic = -192
critical = -92

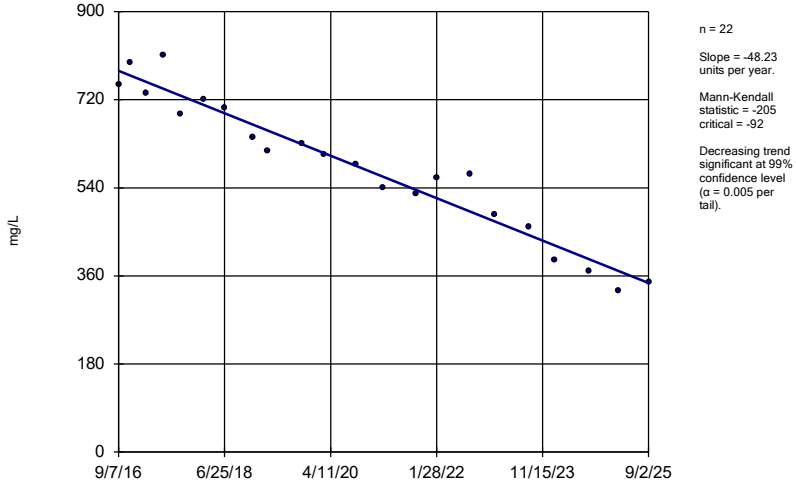
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 22

Slope = -48.23 units per year.

Mann-Kendall statistic = -205
critical = -92

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

Constituent: TDS Analysis Run 10/22/2025 12:23 PM View: Appendix III - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

FIGURE F.

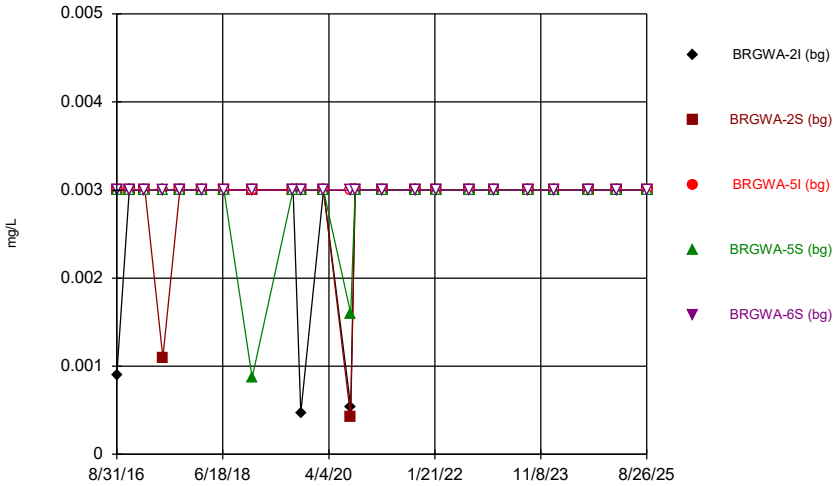
Upper Tolerance Limits Summary Table

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 12:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	115	93.91	n/a	0.002743	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	115	78.26	n/a	0.002743	NP Inter(NDs)
Barium (mg/L)	n/a	0.063	n/a	n/a	n/a	n/a	115	0	n/a	0.002743	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)
Chromium (mg/L)	n/a	0.016	n/a	n/a	n/a	n/a	115	13.91	n/a	0.002743	NP Inter(normality)
Cobalt (mg/L)	n/a	0.0034	n/a	n/a	n/a	n/a	114	42.98	n/a	0.002887	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	2.503	n/a	n/a	n/a	n/a	115	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.289	n/a	n/a	n/a	n/a	120	45.83	n/a	0.002122	NP Inter(normality)
Lead (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	115	85.22	n/a	0.002743	NP Inter(NDs)
Lithium (mg/L)	n/a	0.089	n/a	n/a	n/a	n/a	115	47.83	n/a	0.002743	NP Inter(normality)
Mercury (mg/L)	n/a	0.00021	n/a	n/a	n/a	n/a	105	90.48	n/a	0.004581	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.008	n/a	n/a	n/a	n/a	115	66.09	n/a	0.002743	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	115	100	n/a	0.002743	NP Inter(NDs)

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Hollow symbols indicate censored values.

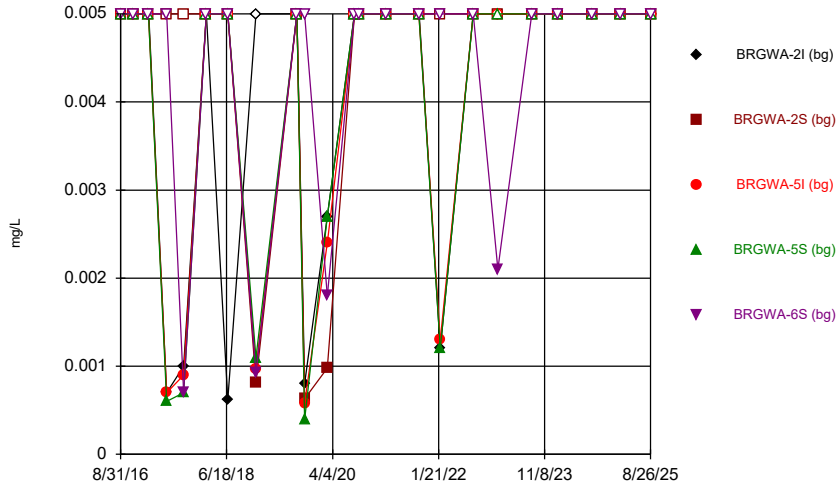
Time Series



Constituent: Antimony Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

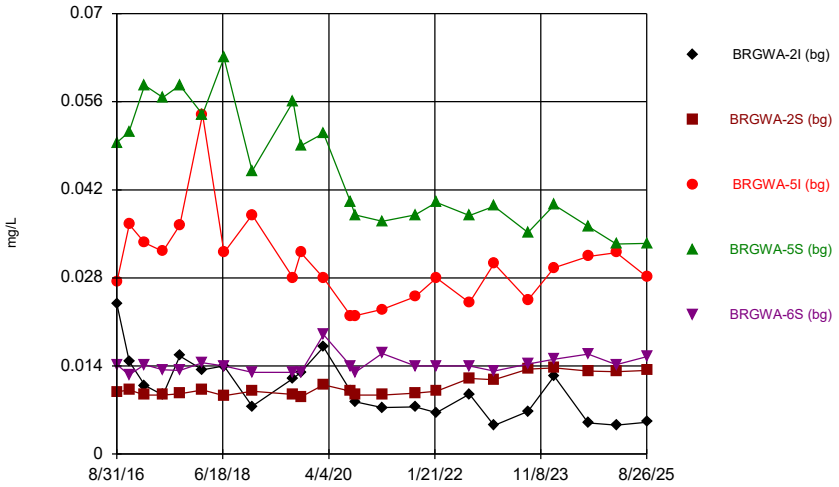
Time Series



Constituent: Arsenic Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

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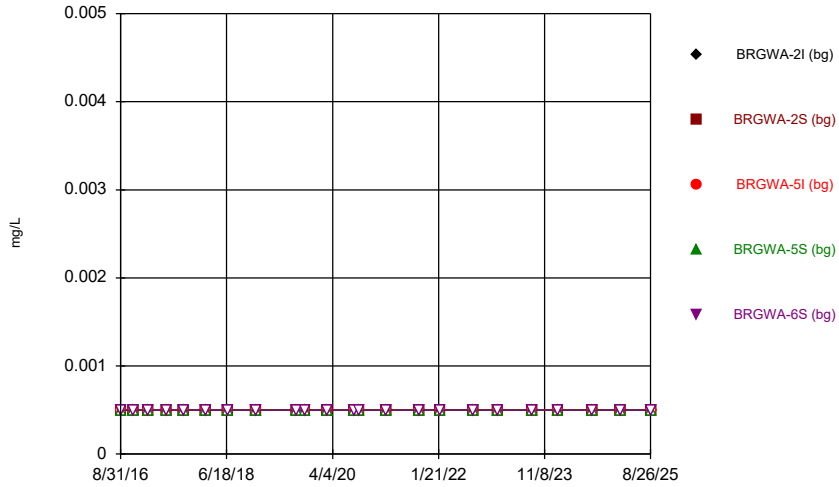
Time Series



Constituent: Barium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

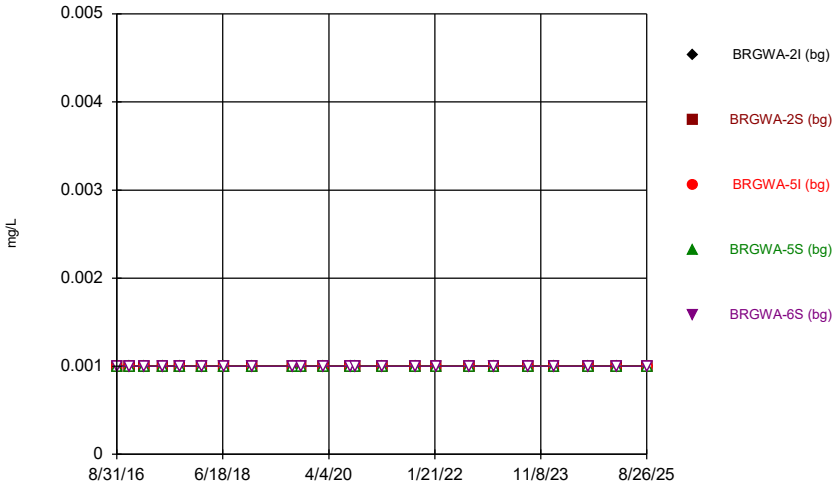
Time Series



Constituent: Beryllium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

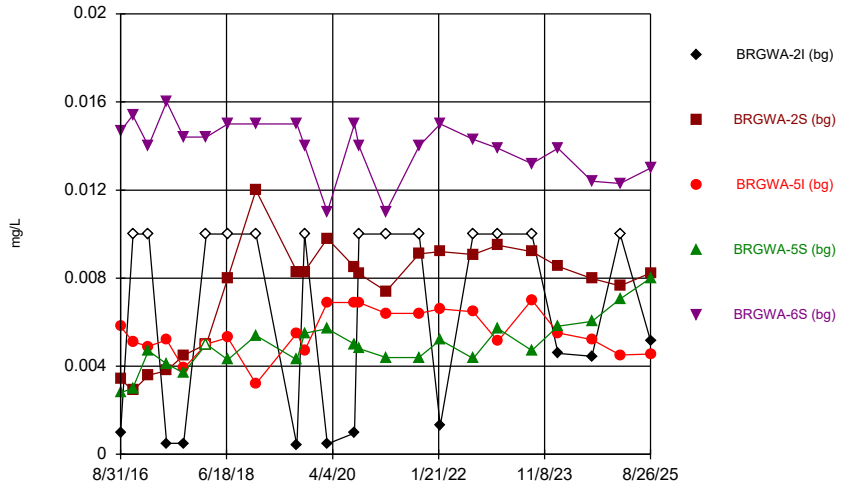
Time Series



Constituent: Cadmium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

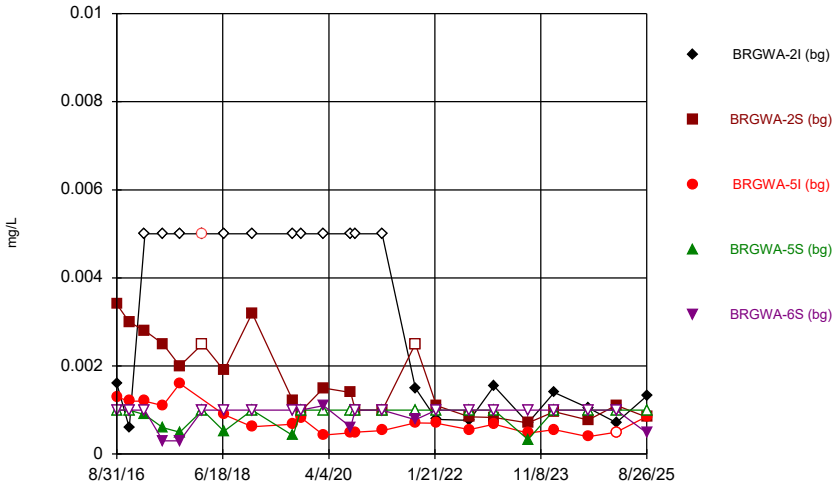
Time Series



Constituent: Chromium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

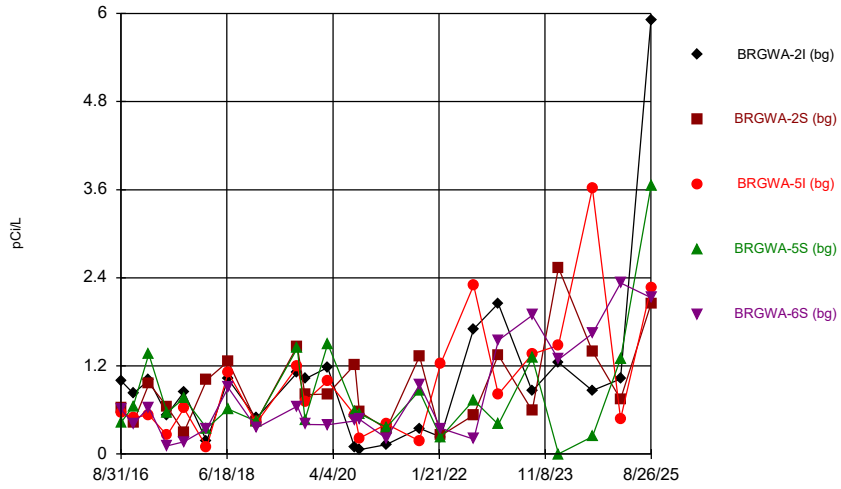
Time Series



Constituent: Cobalt Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

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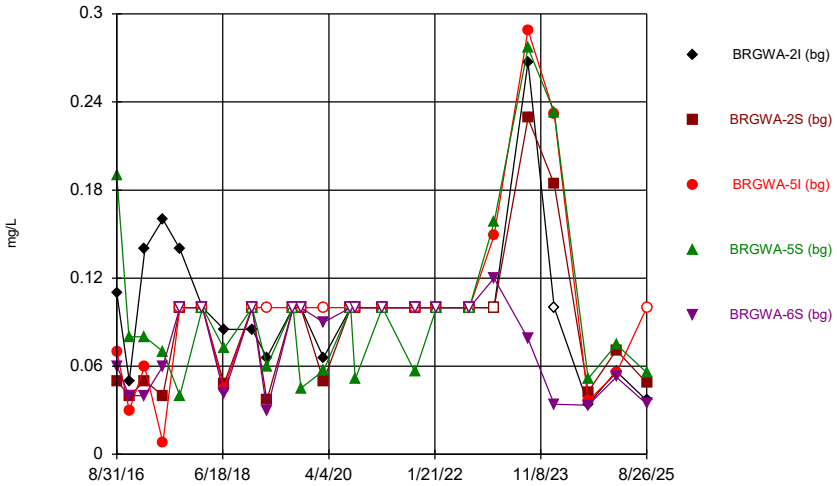
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

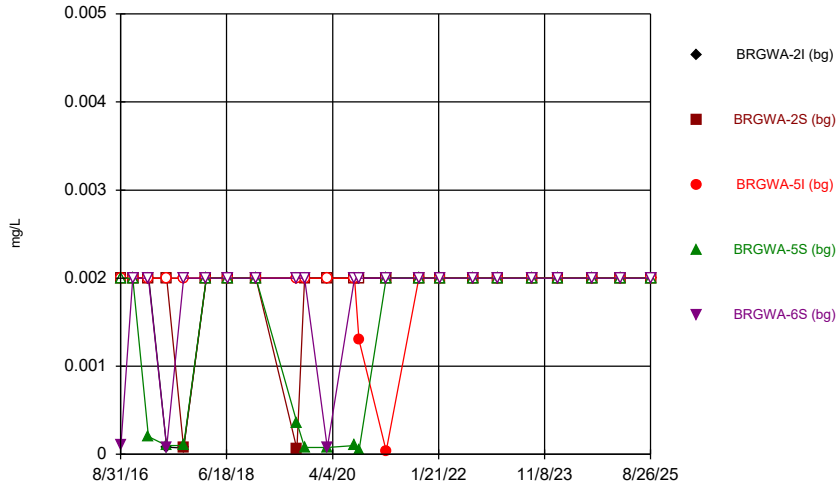
Time Series



Constituent: Fluoride Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

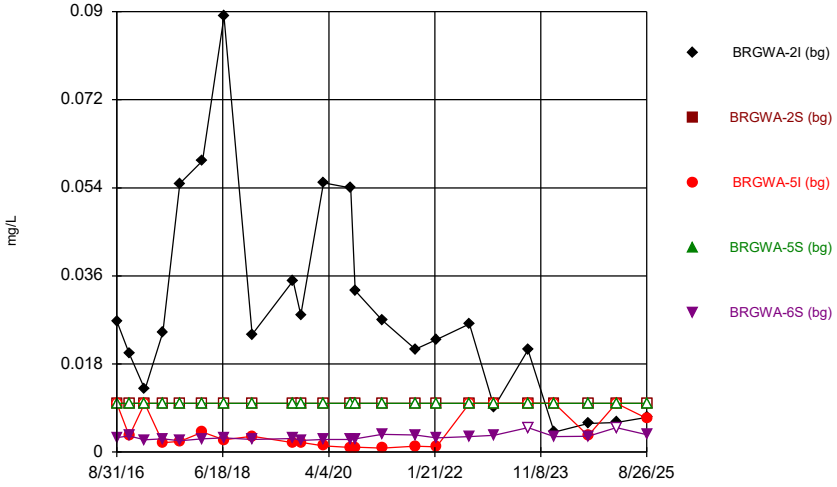
Time Series



Constituent: Lead Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

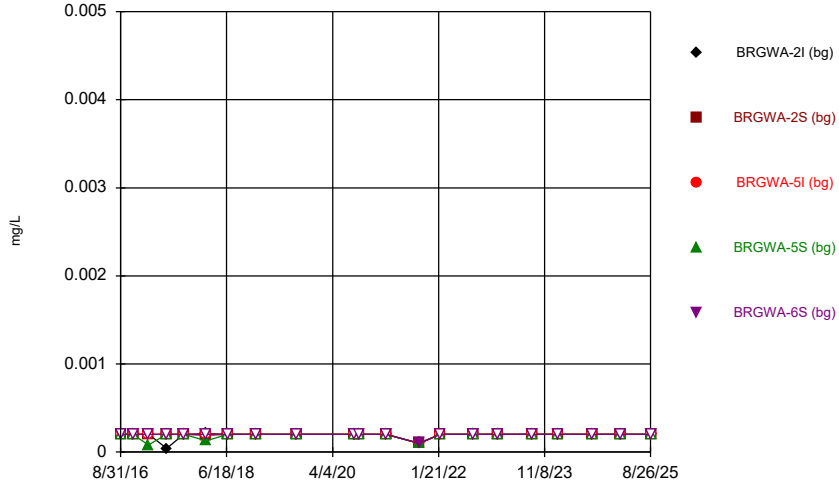
Time Series



Constituent: Lithium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

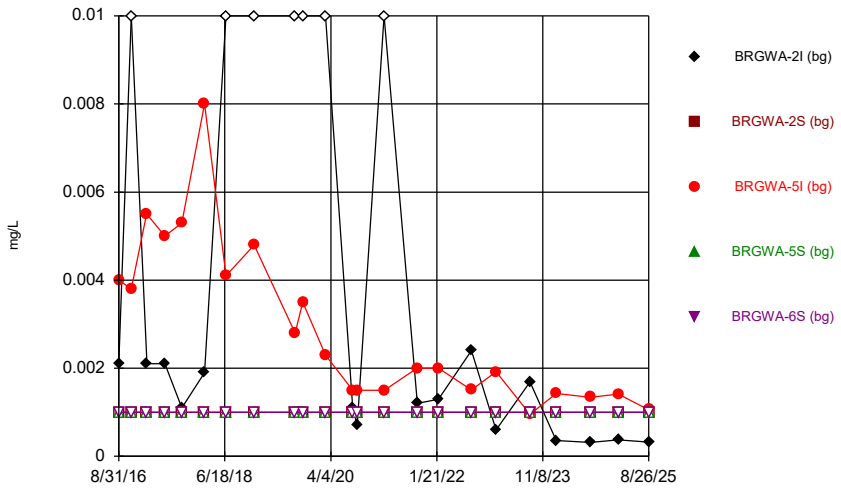
Time Series



Constituent: Mercury Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

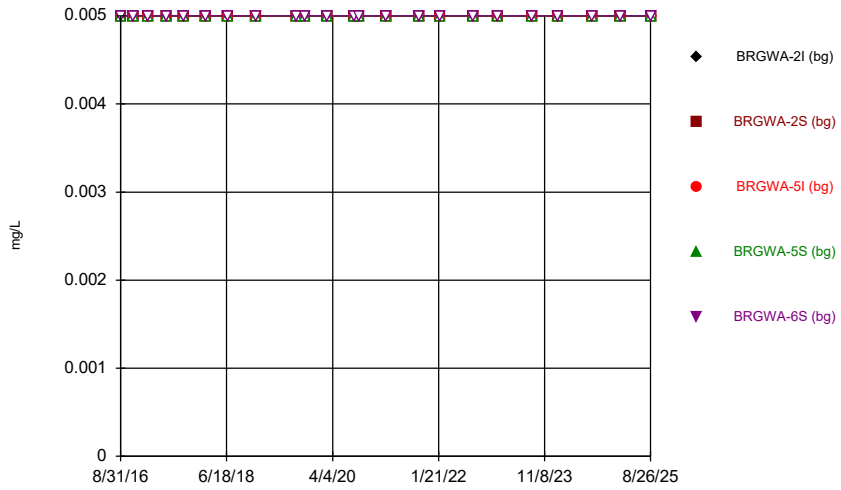
Time Series



Constituent: Molybdenum Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

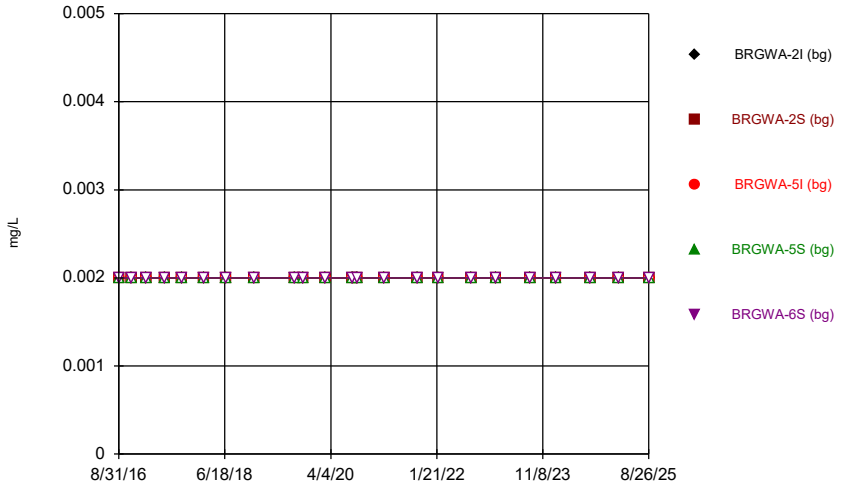
Time Series



Constituent: Selenium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

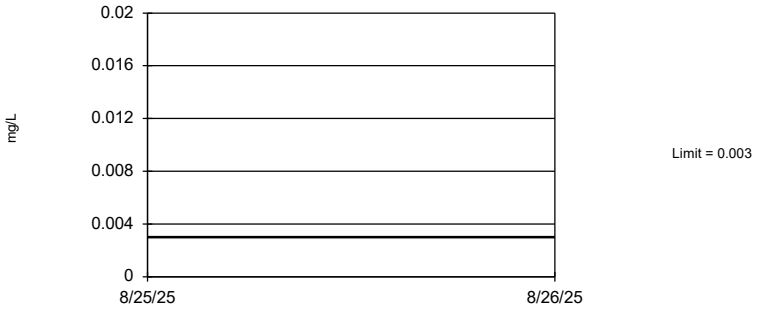


Constituent: Thallium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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 115 background values. 93.91% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Antimony Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



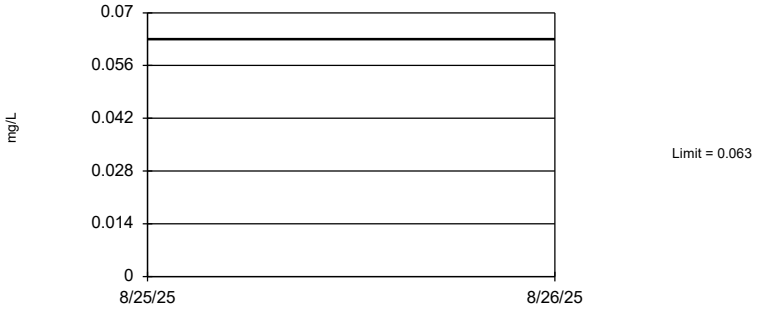
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 115 background values. 78.26% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Arsenic Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



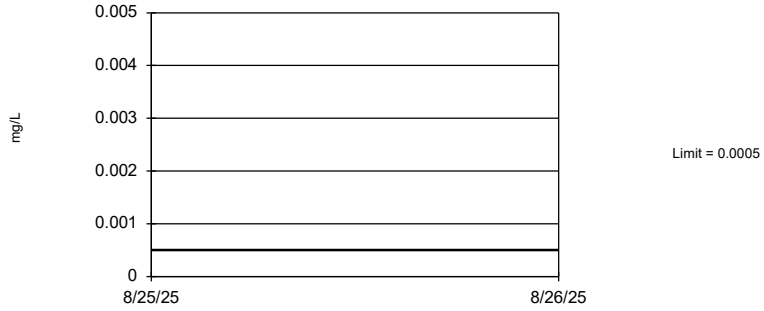
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 115 background values. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Barium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



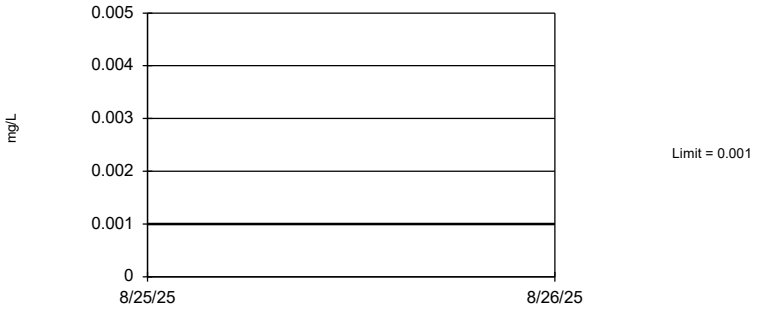
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Beryllium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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%. All background values were censored; limit is most recent reporting limit. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Cadmium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



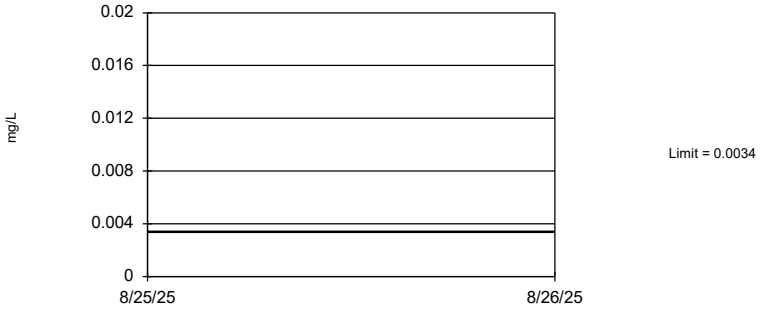
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 115 background values. 13.91% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Chromium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



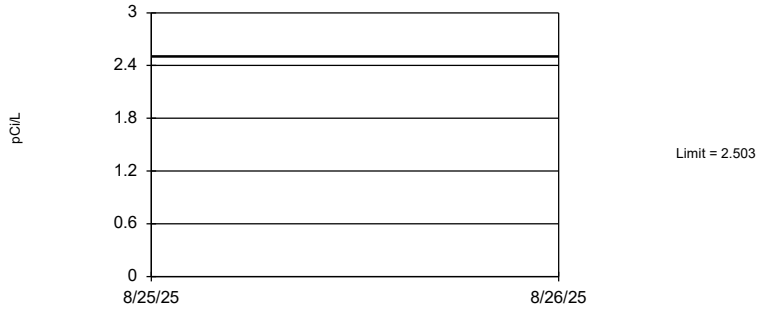
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 114 background values. 42.98% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002887.

Constituent: Cobalt Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



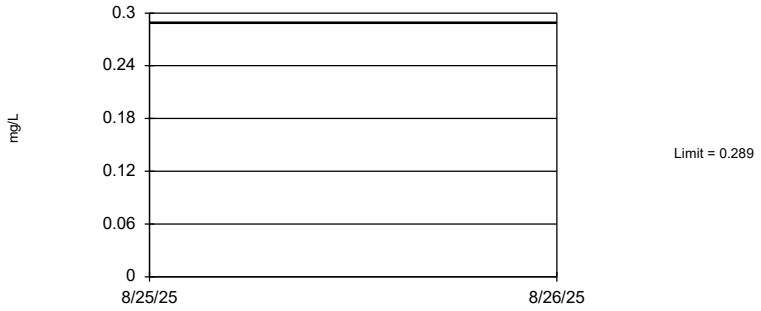
95% coverage. Background Data Summary (based on square root transformation): Mean=0.8795, Std. Dev.=0.369, n=115. Normality test: Chi Squared @alpha = 0.01, calculated = 12.22, critical = 14.07. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



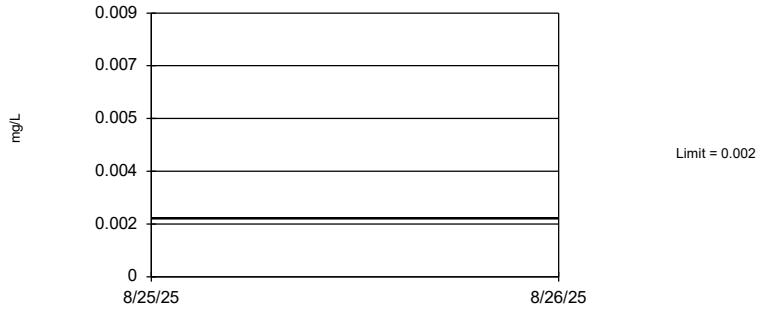
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 120 background values. 45.83% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002122.

Constituent: Fluoride Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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 115 background values. 85.22% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Lead Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



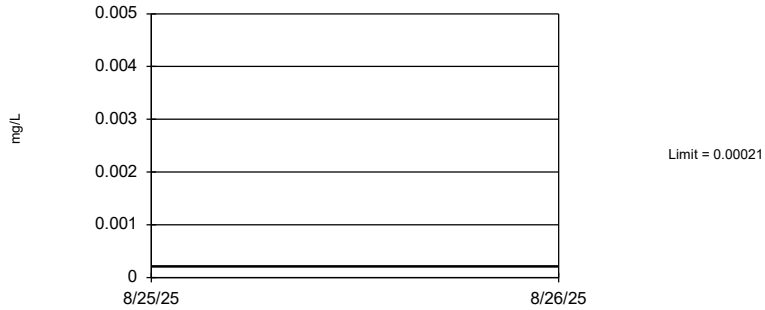
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 115 background values. 47.83% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Lithium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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 105 background values. 90.48% NDs. 95.9% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.004581.

Constituent: Mercury Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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 115 background values. 66.09% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Molybdenum Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



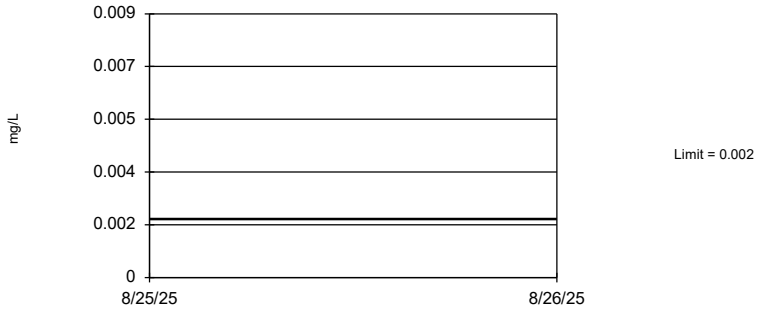
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Selenium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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%. All background values were censored; limit is most recent reporting limit. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002743.

Constituent: Thallium Analysis Run 10/22/2025 12:52 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Pond E

FIGURE G.

PLANT BRANCH POND E GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.063	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.016	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0034	0.006
Combined Radium, Total (pCi/L)	5		2.5	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.002	0.015
Lithium, Total (mg/L)	n/a	0.04	0.089	0.089
Mercury, Total (mg/L)	0.002		0.00021	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.008	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.002	0.002

**Highlighted cells indicate Background is higher than MCLs*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

FIGURE H.

Appendix IV Confidence Intervals - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 1:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	**BRGWC-38S**	**0.008852**	**0.007281**	**0.004**	**Yes**	**24**	**0.00154**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BRGWC-33S**	**0.0678**	**0.04373**	**0.006**	**Yes**	**23**	**0.02301**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**BRGWC-38S**	**0.2327**	**0.1717**	**0.006**	**Yes**	**23**	**0.05826**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 1:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BRGWC-17S	0.003	0.0009	0.006	No	23	0.0004379	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-36S	0.003	0.0016	0.006	No	23	0.0008932	82.61	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-37S	0.003	0.0006	0.006	No	23	0.0007209	91.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-38S	0.003	0.0009	0.006	No	23	0.0006345	91.3	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-17S	0.005	0.0033	0.01	No	23	0.001515	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-33S	0.00516	0.00262	0.01	No	23	0.001899	60.87	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-35S	0.005	0.0006	0.01	No	23	0.001557	86.96	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-36S	0.005	0.001	0.01	No	23	0.00166	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-37S	0.005	0.003	0.01	No	23	0.001692	78.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-38S	0.005	0.002	0.01	No	23	0.001513	26.09	None	No	0.01	NP (normality)
Arsenic (mg/L)	PZ-13S	0.005	0.00388	0.01	No	9	0.0003733	88.89	None	No	0.002	NP (NDs)
Arsenic (mg/L)	PZ-52D	0.005	0.00368	0.01	No	6	0.0005389	83.33	None	No	0.0155	NP (NDs)
Arsenic (mg/L)	PZ-70I	0.005	0.00366	0.01	No	7	0.0005065	85.71	None	No	0.008	NP (NDs)
Barium (mg/L)	BRGWC-17S	0.04614	0.0407	2	No	23	0.005206	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-33S	0.0357	0.02	2	No	23	0.0114	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-34S	0.03258	0.02572	2	No	23	0.006795	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BRGWC-35S	0.047	0.03	2	No	23	0.01829	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-36S	0.03895	0.02936	2	No	23	0.01037	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BRGWC-37S	0.0256	0.02385	2	No	23	0.001679	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-38S	0.0215	0.015	2	No	23	0.008694	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-13S	0.14	0.0475	2	No	9	0.02918	0	None	No	0.002	NP (normality)
Barium (mg/L)	PZ-52D	0.018	0.01533	2	No	6	0.000973	0	None	No	0.01	Param.
Barium (mg/L)	PZ-53D	0.05466	0.04928	2	No	7	0.002265	0	None	No	0.01	Param.
Barium (mg/L)	PZ-70I	0.0444	0.0196	2	No	7	0.008984	0	None	No	0.008	NP (normality)
Beryllium (mg/L)	BRGWC-33S	0.002033	0.001586	0.004	No	23	0.0004272	4.348	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-34S	0.000294	0.00013	0.004	No	23	0.0001607	26.09	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-35S	0.00021	0.00012	0.004	No	23	0.0001646	26.09	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-36S	0.0005	0.000087	0.004	No	24	0.0002053	41.67	None	No	0.01	NP (normality)
Beryllium (mg/L)	**BRGWC-38S**	**0.008852**	**0.007281**	**0.004**	**Yes**	**24**	**0.00154**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	PZ-13S	0.000478	0.0003229	0.004	No	9	0.00008034	0	None	No	0.01	Param.
Beryllium (mg/L)	PZ-70I	0.0003745	0.0002481	0.004	No	7	0.0000569	14.29	None	x^2	0.01	Param.
Cadmium (mg/L)	BRGWC-33S	0.0005816	0.0003697	0.005	No	23	0.0002026	4.348	None	No	0.01	Param.
Cadmium (mg/L)	BRGWC-34S	0.001	0.00018	0.005	No	23	0.000358	30.43	None	No	0.01	NP (normality)
Cadmium (mg/L)	BRGWC-36S	0.001	0.00011	0.005	No	24	0.0003052	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-38S	0.0005755	0.0004664	0.005	No	23	0.0001044	8.696	None	No	0.01	Param.
Cadmium (mg/L)	PZ-13S	0.001	0.00011	0.005	No	9	0.0002967	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BRGWC-17S	0.01218	0.009796	0.1	No	23	0.002279	0	None	No	0.01	Param.
Chromium (mg/L)	BRGWC-33S	0.01	0.00049	0.1	No	23	0.001983	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-35S	0.006378	0.004779	0.1	No	23	0.001528	4.348	None	No	0.01	Param.
Chromium (mg/L)	BRGWC-36S	0.007973	0.007005	0.1	No	23	0.0009257	0	None	No	0.01	Param.
Chromium (mg/L)	BRGWC-37S	0.01	0.0015	0.1	No	23	0.004308	43.48	None	No	0.01	NP (normality)
Chromium (mg/L)	BRGWC-38S	0.004061	0.0033	0.1	No	23	0.0007278	4.348	None	No	0.01	Param.
Chromium (mg/L)	PZ-13S	0.025	0.0111	0.1	No	9	0.00445	0	None	No	0.002	NP (normality)
Cobalt (mg/L)	**BRGWC-33S**	**0.0678**	**0.04373**	**0.006**	**Yes**	**23**	**0.02301**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	BRGWC-34S	0.005137	0.00366	0.006	No	23	0.001533	4.348	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-35S	0.0012	0.0008	0.006	No	23	0.0003451	78.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**BRGWC-38S**	**0.2327**	**0.1717**	**0.006**	**Yes**	**23**	**0.05826**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	PZ-13S	0.001	0.00037	0.006	No	9	0.00021	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	PZ-52D	0.00281	0.000307	0.006	No	8	0.001022	0	None	No	0.004	NP (normality)
Cobalt (mg/L)	PZ-53D	0.0012	0.000372	0.006	No	8	0.0002425	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	PZ-70I	0.0056	0.000481	0.006	No	7	0.001869	0	None	No	0.008	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BRGWC-17S	1.116	0.3786	5	No	23	1.147	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-33S	1.784	0.8204	5	No	23	1.022	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-34S	1.71	0.8747	5	No	23	1.321	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-35S	1.79	0.7654	5	No	23	1.079	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-36S	2.027	0.9237	5	No	23	1.249	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-37S	1.432	0.518	5	No	23	1.158	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-38S	3.699	2.334	5	No	23	1.419	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-13S	3.732	0.7156	5	No	9	1.562	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-52D	5.928	1.419	5	No	6	1.641	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-53D	4.099	2.527	5	No	7	0.6617	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-70I	3.536	0.9784	5	No	7	1.077	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-17S	0.1963	0.101	4	No	24	0.1082	4.167	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-33S	0.2312	0.128	4	No	24	0.1011	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-34S	0.1369	0.08756	4	No	24	0.07052	4.167	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-35S	0.22	0.055	4	No	24	0.09726	12.5	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-36S	0.146	0.05792	4	No	24	0.1027	37.5	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-37S	0.1	0.055	4	No	24	0.0272	33.33	None	No	0.01	NP (normality)

Appendix IV Confidence Intervals - All Results

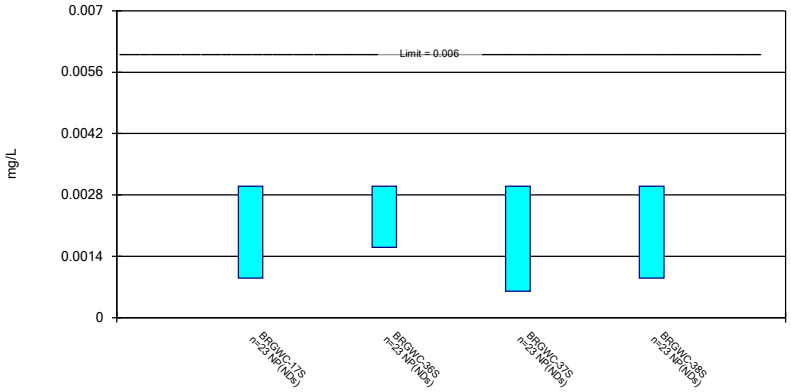
Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/22/2025, 1:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BRGWC-38S	0.8833	0.6272	4	No	24	0.2509	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-13S	0.1314	0.03955	4	No	9	0.05445	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-52D	2.04	0.14	4	No	8	0.7472	0	None	No	0.004	NP (normality)
Fluoride (mg/L)	PZ-53D	0.273	0.07892	4	No	8	0.09157	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-70I	1.43	0.0577	4	No	7	0.4996	42.86	None	No	0.008	NP (normality)
Lead (mg/L)	BRGWC-17S	0.002	0.0001	0.015	No	23	0.0005541	91.3	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-33S	0.002	0.000088	0.015	No	23	0.0009689	52.17	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-34S	0.002	0.0003	0.015	No	23	0.0006335	86.96	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-35S	0.002	0.0002	0.015	No	23	0.0007249	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-36S	0.002	0.000047	0.015	No	23	0.0004072	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-37S	0.002	0.0001	0.015	No	23	0.0005474	91.3	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-38S	0.002	0.00036	0.015	No	23	0.0008034	39.13	None	No	0.01	NP (normality)
Lead (mg/L)	PZ-13S	0.002	0.00035	0.015	No	9	0.00055	88.89	None	No	0.002	NP (NDs)
Lithium (mg/L)	BRGWC-17S	0.01	0.001	0.089	No	23	0.004244	69.57	None	No	0.01	NP (NDs)
Lithium (mg/L)	BRGWC-33S	0.01039	0.00929	0.089	No	23	0.001055	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-34S	0.01	0.00096	0.089	No	23	0.004101	73.91	None	No	0.01	NP (NDs)
Lithium (mg/L)	BRGWC-35S	0.01	0.0021	0.089	No	23	0.0037	30.43	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-36S	0.01	0.0024	0.089	No	23	0.003677	34.78	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-38S	0.02208	0.01994	0.089	No	23	0.00205	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-13S	0.01	0.001	0.089	No	9	0.003818	77.78	None	No	0.002	NP (NDs)
Lithium (mg/L)	PZ-52D	0.0184	0.0163	0.089	No	6	0.0009402	0	None	No	0.0155	NP (normality)
Lithium (mg/L)	PZ-53D	0.01985	0.0171	0.089	No	7	0.001157	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-70I	0.00615	0.00381	0.089	No	7	0.0008557	0	None	No	0.008	NP (normality)
Mercury (mg/L)	BRGWC-17S	0.0002	0.0001	0.002	No	21	0.00004302	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-33S	0.0002	0.00012	0.002	No	21	0.00004603	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-34S	0.0002	0.00015	0.002	No	21	0.00004732	76.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-35S	0.0002	0.00013	0.002	No	21	0.00003598	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-36S	0.0002	0.00013	0.002	No	21	0.00003709	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-37S	0.0002	0.00014	0.002	No	21	0.00003694	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-38S	0.0001405	0.00009131	0.002	No	21	0.00005086	23.81	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	PZ-70I	0.002416	0.000135	0.002	No	7	0.001037	28.57	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	PZ-52D	0.02054	0.004445	0.1	No	6	0.00586	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-53D	0.00249	0.001624	0.1	No	7	0.0003648	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-70I	0.00142	0.001	0.1	No	7	0.0001587	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	BRGWC-17S	0.00263	0.001973	0.05	No	23	0.001169	17.39	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	BRGWC-33S	0.00572	0.0032	0.05	No	23	0.006977	34.78	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-36S	0.004224	0.00247	0.05	No	23	0.001857	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	BRGWC-38S	0.03731	0.02681	0.05	No	23	0.01005	0	None	No	0.01	Param.
Selenium (mg/L)	PZ-13S	0.003244	0.001962	0.05	No	9	0.0006639	11.11	None	No	0.01	Param.
Selenium (mg/L)	PZ-53D	0.005	0.00188	0.05	No	7	0.001179	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	PZ-70I	0.008859	0.005326	0.05	No	7	0.001487	0	None	No	0.01	Param.
Thallium (mg/L)	BRGWC-17S	0.002	0.000066	0.002	No	23	0.0004033	95.65	None	No	0.01	NP (NDs)
Thallium (mg/L)	BRGWC-33S	0.002	0.00019	0.002	No	23	0.0008994	39.13	None	No	0.01	NP (normality)
Thallium (mg/L)	BRGWC-38S	0.002	0.00021	0.002	No	23	0.0008919	43.48	None	No	0.01	NP (normality)

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Non-Parametric Confidence Interval

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

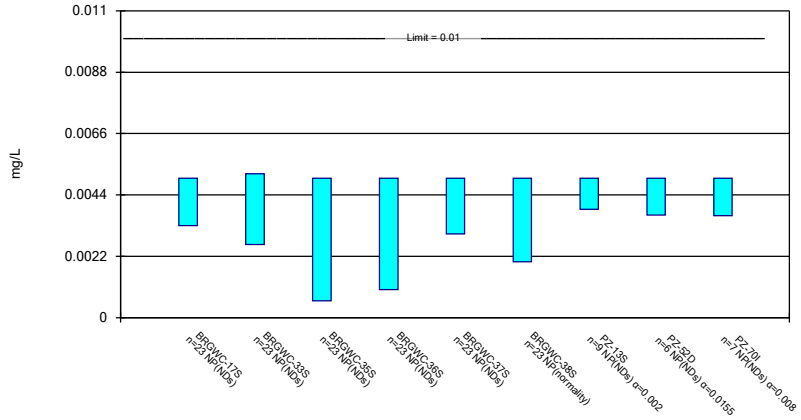


Constituent: Antimony Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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Non-Parametric Confidence Interval

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

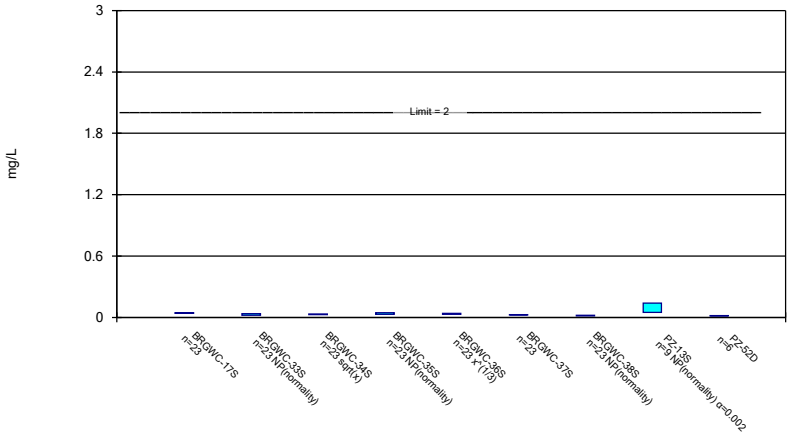


Constituent: Arsenic Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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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.

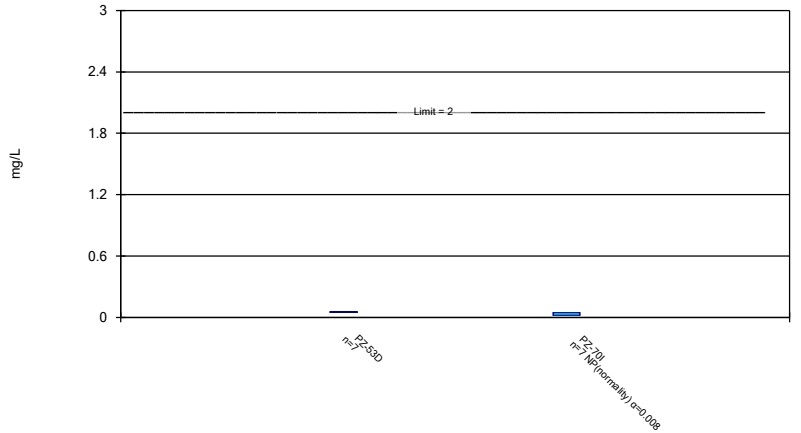


Constituent: Barium Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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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.

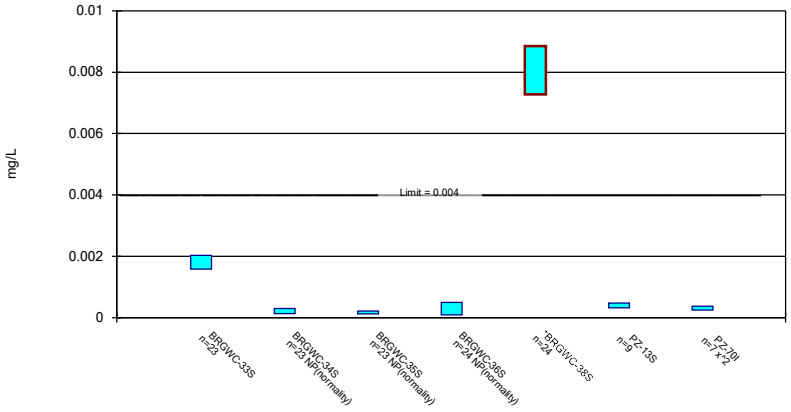


Constituent: Barium Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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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.

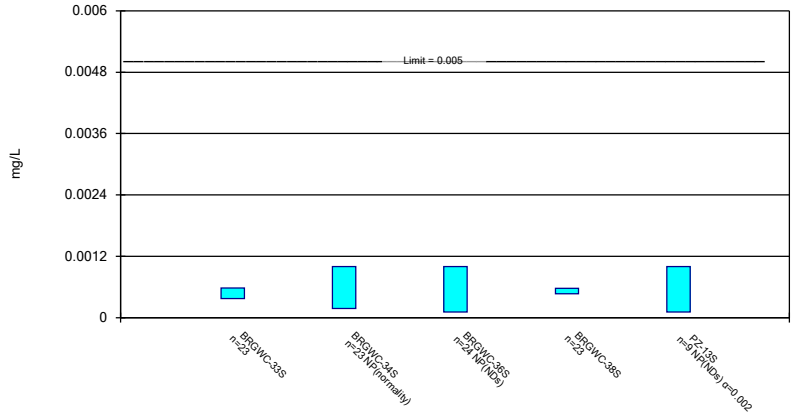


Constituent: Beryllium Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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Parametric and Non-Parametric (NP) Confidence Interval

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

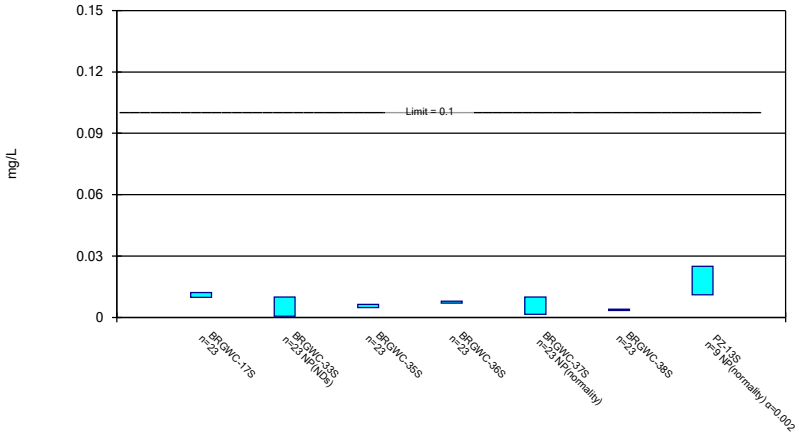


Constituent: Cadmium Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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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.

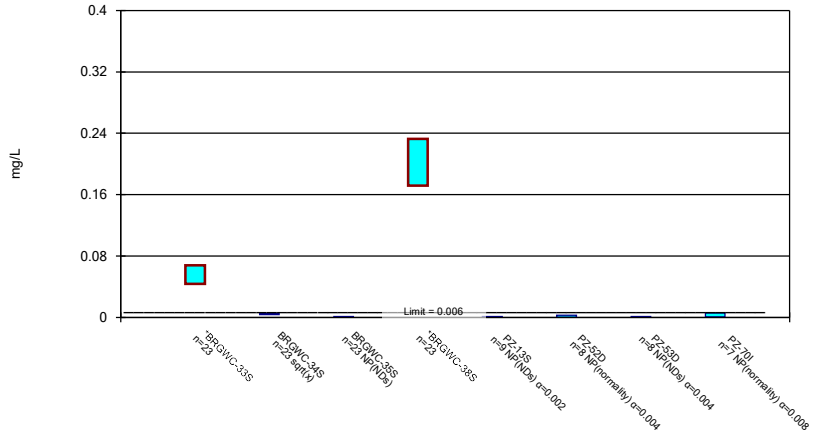


Constituent: Chromium Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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Parametric and Non-Parametric (NP) Confidence Interval

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

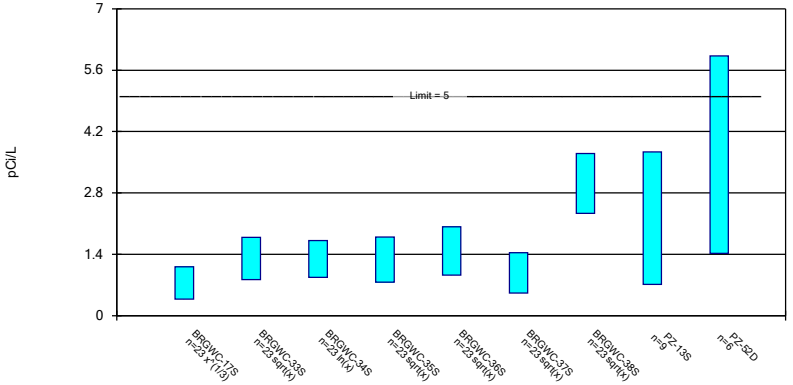


Constituent: Cobalt Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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Parametric Confidence Interval

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

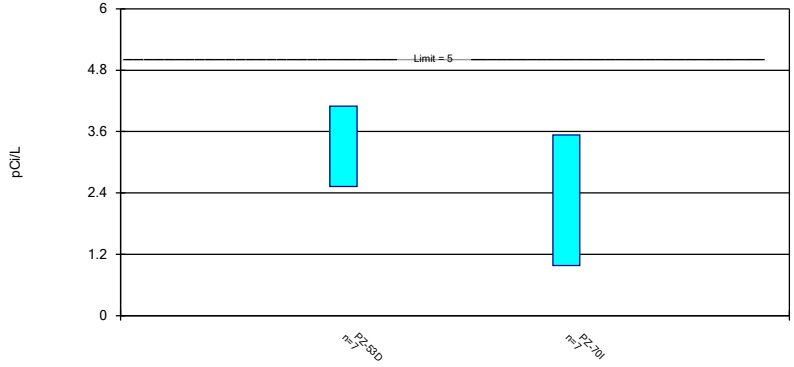


Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 1:06 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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Parametric Confidence Interval

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

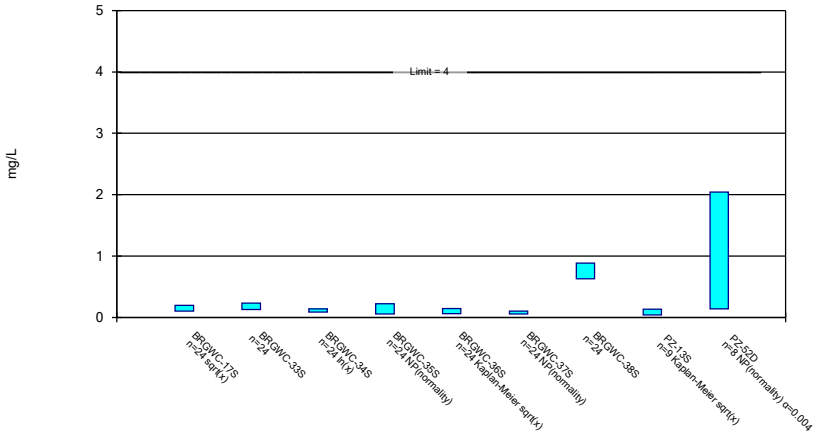


Constituent: Combined Radium 226 + 228 Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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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.

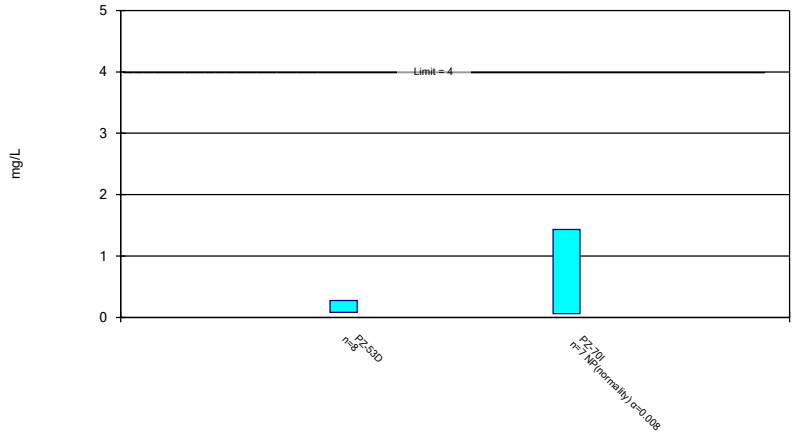


Constituent: Fluoride Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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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.

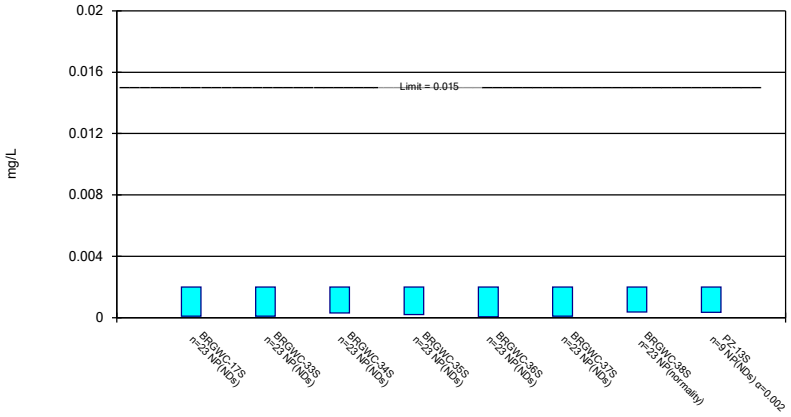


Constituent: Fluoride Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

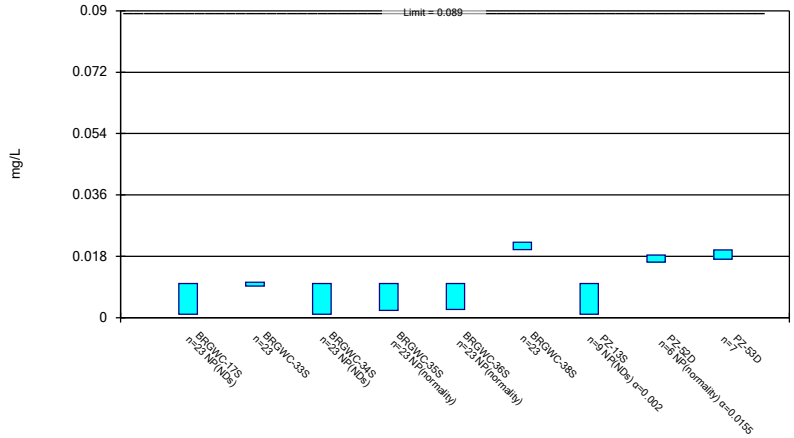


Constituent: Lead Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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.

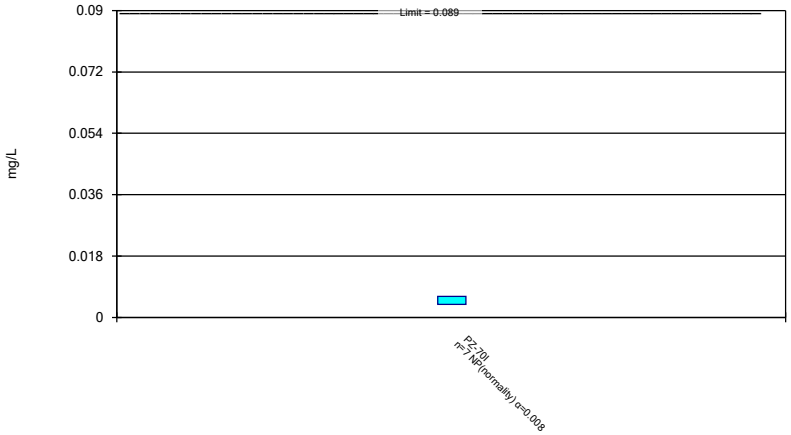


Constituent: Lithium Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

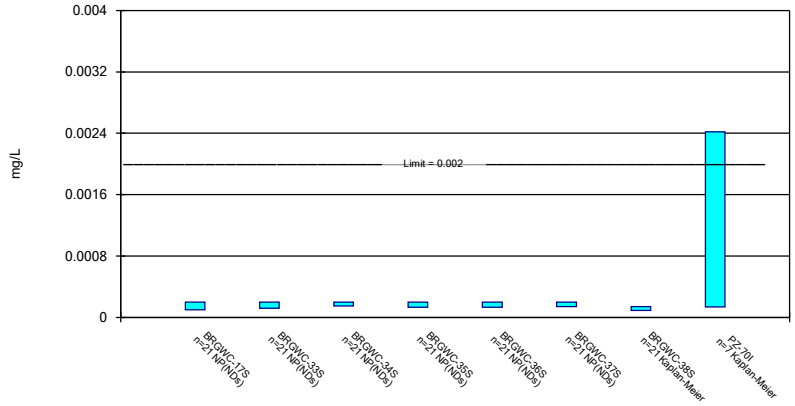


Constituent: Lithium Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

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Parametric and Non-Parametric (NP) Confidence Interval

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

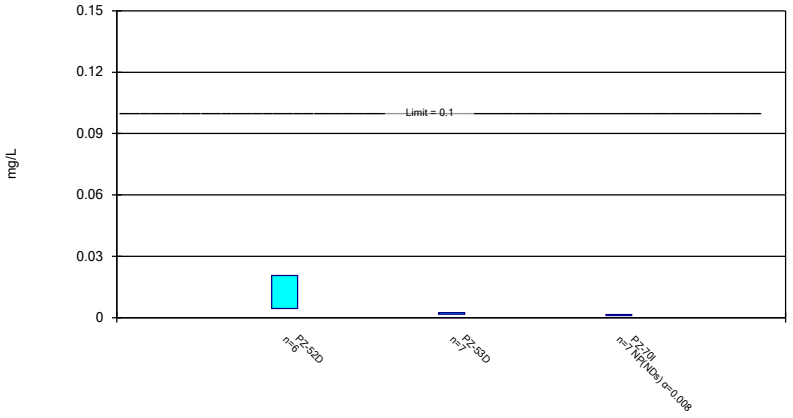


Constituent: Mercury Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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.

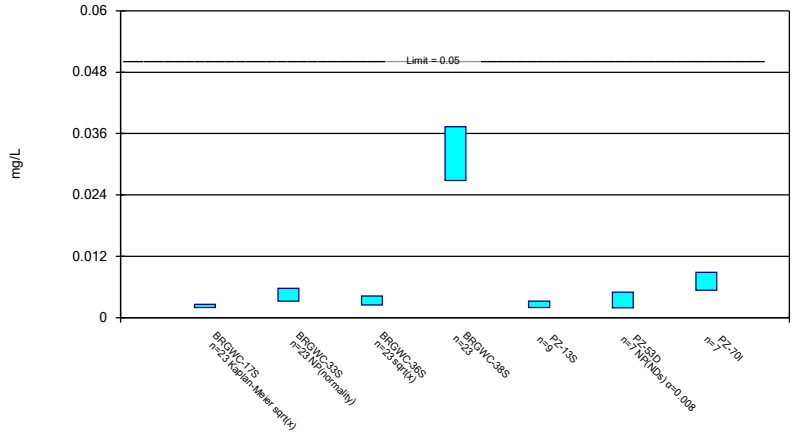


Constituent: Molybdenum Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 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.

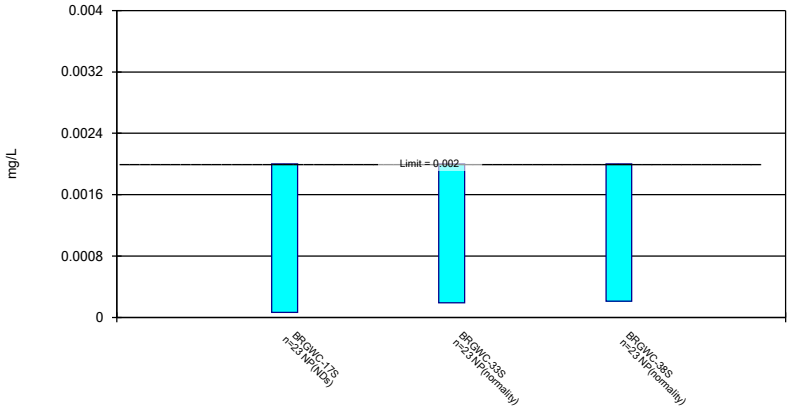


Constituent: Selenium Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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



Constituent: Thallium Analysis Run 10/22/2025 1:07 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-36S	BRGWC-37S	BRGWC-38S
9/7/2016	<0.003	<0.003		<0.003
11/17/2016	<0.003			
11/18/2016		0.0016 (J)		
11/21/2016				0.0009 (J)
2/22/2017	<0.003			
2/23/2017		<0.003	<0.003	<0.003
4/17/2017			0.0004 (J)	
5/15/2017			<0.003	
6/15/2017	0.0009 (J)	0.0006 (J)	0.0006 (J)	0.0007 (J)
9/28/2017	<0.003	<0.003	<0.003	<0.003
2/15/2018	<0.003	<0.003	<0.003	<0.003
6/27/2018	<0.003			
6/28/2018		<0.003	<0.003	<0.003
12/19/2018	<0.003	<0.003	<0.003	
12/20/2018				<0.003
8/28/2019	<0.003	0.00035 (J)	<0.003	
8/29/2019				<0.003
10/16/2019			<0.003	<0.003
12/3/2019	<0.003	0.00049 (J)		
3/3/2020	<0.003			
3/5/2020		<0.003	<0.003	<0.003
8/19/2020	<0.003	<0.003	<0.003	<0.003
9/16/2020	<0.003	<0.003	<0.003	
9/17/2020				<0.003
3/3/2021		<0.003	<0.003	
3/4/2021	<0.003			<0.003
9/22/2021	<0.003	<0.003		
9/23/2021			<0.003	<0.003
2/1/2022	<0.003	<0.003		<0.003
2/2/2022			<0.003	
8/23/2022			<0.003	<0.003
8/24/2022	<0.003	<0.003		
1/24/2023	<0.003			
1/25/2023		<0.003	<0.003	<0.003
8/22/2023			<0.003	
8/23/2023	<0.003	<0.003		<0.003
1/30/2024	<0.003			
1/31/2024		<0.003	<0.003	<0.003
8/27/2024			<0.003	<0.003
8/28/2024	<0.003	<0.003		
2/26/2025	<0.003	<0.003	<0.003	<0.003
9/2/2025			<0.003	<0.003
9/3/2025	<0.003	<0.003		
Mean	0.002909	0.00261	0.002783	0.002809
Std. Dev.	0.0004379	0.0008932	0.0007209	0.0006345
Upper Lim.	0.003	0.003	0.003	0.003
Lower Lim.	0.0009	0.0016	0.0006	0.0009

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-70I
9/7/2016	<0.005	<0.005	<0.005	<0.005		0.0026 (J)			
11/17/2016	<0.005	<0.005	<0.005						
11/18/2016				<0.005					
11/21/2016						0.0034 (J)			
2/22/2017	<0.005	<0.005	<0.005						
2/23/2017				<0.005	<0.005	0.003 (J)			
4/17/2017					<0.005				
5/15/2017					<0.005				
6/14/2017		0.0006 (J)							
6/15/2017	0.0006 (J)		0.0006 (J)	0.0007 (J)	<0.005	0.005 (J)			
9/27/2017		<0.005							
9/28/2017	<0.005		<0.005	<0.005	<0.005	0.0046 (J)			
2/15/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0016 (J)			
6/27/2018	<0.005	<0.005	<0.005						
6/28/2018				0.00074 (J)	0.0011 (J)	0.0023 (J)			
12/18/2018		0.00091 (J)							
12/19/2018	<0.005		<0.005	<0.005	<0.005				
12/20/2018						0.00098 (J)			
1/15/2019							<0.005		
8/27/2019		<0.005							
8/28/2019	0.00073 (J)		0.00044 (J)	0.00045 (J)	0.00038 (J)				
8/29/2019						0.0013 (J)			
10/16/2019		0.00056 (J)	0.0004 (J)		0.00078 (J)	0.0024 (J)			
10/22/2019							<0.005		
12/3/2019	0.00058 (J)			0.001 (J)					
3/3/2020	0.0033 (J)								
3/5/2020		<0.005	<0.005	<0.005	0.00044 (J)	0.0011 (J)			
8/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005	0.0021 (J)			
9/16/2020	<0.005	<0.005	<0.005	<0.005	<0.005				
9/17/2020						0.0015 (J)			
3/3/2021		<0.005		<0.005	<0.005				
3/4/2021	<0.005		<0.005			0.0029 (J)			
9/22/2021	<0.005	<0.005		<0.005					
9/23/2021			<0.005		<0.005	0.002 (J)			
2/1/2022	<0.005	<0.005	<0.005	<0.005		<0.005			
2/2/2022					<0.005				
8/23/2022		0.00262 (J)			<0.005	0.00337 (J)	<0.005		
8/24/2022	<0.005		<0.005	<0.005					
9/1/2022									<0.005
1/24/2023	<0.005	0.00201 (J)	<0.005						
1/25/2023				<0.005	0.003 (J)	0.00486 (J)		0.00368 (J)	
1/26/2023							0.00388 (J)		0.00366 (J)
8/22/2023		<0.005			<0.005		<0.005		
8/23/2023	<0.005		<0.005	<0.005		<0.005		<0.005	<0.005
1/30/2024	<0.005		<0.005				<0.005		
1/31/2024		0.00516		<0.005	<0.005	<0.005		<0.005	<0.005
8/27/2024					<0.005	<0.005	<0.005		
8/28/2024	<0.005	0.00577	<0.005	<0.005				<0.005	<0.005
2/26/2025	<0.005	0.00896	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/2/2025					<0.005	<0.005			
9/3/2025	<0.005	0.00532	<0.005	<0.005			<0.005	<0.005	<0.005
Mean	0.004357	0.004431	0.00441	0.004256	0.004161	0.003261	0.004876	0.00478	0.004809

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D	PZ-70I
Std. Dev.	0.001515	0.001899	0.001557	0.00166	0.001692	0.001513	0.0003733	0.0005389	0.0005065
Upper Lim.	0.005	0.00516	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0033	0.00262	0.0006	0.001	0.003	0.002	0.00388	0.00368	0.00366

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D
9/7/2016	0.0377	0.0214		0.101	0.0674		0.044		
9/8/2016			0.0415						
11/17/2016	0.0405	0.0211	0.04	0.0808					
11/18/2016					0.0546				
11/21/2016							0.0428 (J)		
2/22/2017	0.0392	0.0243	0.0415	0.0701					
2/23/2017					0.0489	0.0229	0.0338		
4/17/2017						0.0227			
5/15/2017						0.0227			
6/14/2017		0.0218	0.0341						
6/15/2017	0.0364			0.0518	0.0415	0.0218	0.0239		
9/27/2017		0.0219	0.0347						
9/28/2017	0.0408			0.047	0.0397	0.0222	0.0247		
2/15/2018	0.0396	0.0248	0.0346	0.0485	0.038	0.0243	0.0215		
6/27/2018	0.041	0.023	0.028	0.046					
6/28/2018					0.035	0.023	0.018		
12/18/2018		0.023	0.029						
12/19/2018	0.038			0.04	0.035	0.024			
12/20/2018							0.017		
1/15/2019								0.14	
8/27/2019		0.02							
8/28/2019	0.044		0.026	0.039	0.034	0.027			
8/29/2019							0.016		
10/16/2019		0.019	0.022	0.037		0.024	0.015		
10/22/2019								0.077	
12/3/2019	0.043				0.031				
3/3/2020	0.036								
3/5/2020		0.022	0.025	0.039	0.033	0.025	0.016		
8/19/2020	0.047	0.02	0.024	0.04	0.037	0.026	0.016		
9/16/2020	0.044	0.019	0.023	0.033	0.03	0.024			
9/17/2020							0.014		
3/3/2021		0.02	0.024		0.031	0.024			
3/4/2021	0.039			0.034			0.015		
9/22/2021	0.043	0.019	0.021		0.028				
9/23/2021				0.036		0.027	0.014		
2/1/2022	0.045	0.023	0.024	0.033	0.029		0.015		
2/2/2022						0.025			
8/23/2022		0.0409				0.026	0.0141	0.0562	
8/24/2022	0.0512		0.0249	0.0339	0.0296				
1/24/2023	0.0422	0.0368	0.0232	0.0291					
1/25/2023					0.0278	0.0247	0.018		0.0171
1/26/2023								0.0525	
8/22/2023		0.0357	0.0268			0.0266		0.0683	
8/23/2023	0.0445			0.0286	0.0243		0.0134		0.0163
1/30/2024	0.0522			0.0299				0.0499	
1/31/2024		0.0515	0.0261		0.0273	0.0256	0.016		0.0184
8/27/2024						0.027	0.0164	0.0543	
8/28/2024	0.0502	0.0511	0.0281	0.0267	0.0247				0.0156
2/26/2025	0.0508	0.0543	0.0329	0.0291	0.0267	0.0264	0.017	0.052	0.0163
9/2/2025			0.0419			0.0268	0.017		
9/3/2025	0.0534	0.0344		0.03	0.0257			0.0475	0.0163
Mean	0.04342	0.02817	0.0294	0.04276	0.03475	0.02473	0.01994	0.06641	0.01667

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D
Std. Dev.	0.005206	0.0114	0.006795	0.01829	0.01037	0.001679	0.008694	0.02918	0.000973
Upper Lim.	0.04614	0.0357	0.03258	0.047	0.03895	0.0256	0.0215	0.14	0.018
Lower Lim.	0.0407	0.02	0.02572	0.03	0.02936	0.02385	0.015	0.0475	0.01533

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	PZ-53D	PZ-70I
8/23/2022	0.0547	
9/1/2022		0.0444
1/25/2023	0.0536	
1/26/2023		0.025
8/23/2023		0.0196
8/24/2023	0.0485	
1/31/2024	0.0517	0.0207
8/27/2024	0.0535	
8/28/2024		0.0198
2/26/2025	0.0523	0.0202
9/2/2025	0.0495	
9/3/2025		0.0215
Mean	0.05197	0.02446
Std. Dev.	0.002265	0.008984
Upper Lim.	0.05466	0.0444
Lower Lim.	0.04928	0.0196

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-38S	PZ-13S	PZ-70I
9/7/2016	0.0019 (J)		9E-05 (J)	<0.0005	0.0079		
9/8/2016		0.0001 (J)					
9/23/2016					0.0096		
11/17/2016	0.002 (J)	0.0001 (J)	0.0001 (J)				
11/18/2016				0.0001 (J)			
11/21/2016					0.0092		
2/22/2017	0.0022 (J)	0.0002 (J)	0.0001 (J)				
2/23/2017				0.0001 (J)	0.01		
6/14/2017	0.0019 (J)	<0.0005					
6/15/2017			0.0001 (J)	9E-05 (J)	0.0104		
9/27/2017	0.0017 (J)	0.0001 (J)					
9/28/2017			0.0001 (J)	0.0001 (J)	0.0098		
2/15/2018	<0.003	<0.0005	<0.0005	<0.0005	0.011 (J)		
6/27/2018	0.002 (J)	0.00013 (J)	0.00015 (J)				
6/28/2018				8.1E-05 (J)	0.0085		
12/18/2018	0.0021 (J)	0.00012 (J)					
12/19/2018			0.00014 (J)	8.6E-05 (J)			
12/20/2018					0.0092		
1/15/2019						0.0005 (J)	
8/27/2019	0.0019 (J)						
8/28/2019		0.00014 (J)	0.00016 (J)	0.00011 (J)			
8/29/2019					0.0088		
10/16/2019	0.0018 (J)	0.00014 (J)	0.00015 (J)		0.0079		
10/17/2019				<0.0005			
10/22/2019						0.0004 (J)	
12/3/2019				9.7E-05 (J)			
3/5/2020	0.0018 (J)	0.00015 (J)	0.00015 (J)	9.2E-05 (J)	0.0082		
8/19/2020	0.0014 (J)	0.00015 (J)	0.00015 (J)	0.00011 (J)	0.0079		
9/16/2020	0.0015 (J)	0.00014 (J)	0.00014 (J)	8E-05 (J)			
9/17/2020					0.0073		
3/3/2021	0.0013	0.00015 (J)		7.9E-05 (J)			
3/4/2021			0.00012 (J)		0.0077		
9/22/2021	0.0012	0.00015 (J)		8.4E-05 (J)			
9/23/2021			0.00016 (J)		0.0071		
2/1/2022	0.0013	0.00015 (J)	0.00015 (J)	8.7E-05 (J)	0.0072		
8/23/2022	0.00241				0.00854	0.000331 (J)	
8/24/2022		<0.0005	0.00021 (J)	<0.0005			
9/1/2022							<0.0005
1/24/2023	0.00235	<0.0005	<0.0005				
1/25/2023				<0.0005	0.0078		
1/26/2023						0.000422 (J)	0.000217 (J)
8/22/2023	0.0019	<0.0005				0.000259 (J)	
8/23/2023			0.0002 (J)	<0.0005	0.0068		0.000325 (J)
1/30/2024			<0.0005			0.000388 (J)	
1/31/2024	0.00269	0.000202 (J)		<0.0005	0.00591		0.00034 (J)
8/27/2024					0.00644	0.000346 (J)	
8/28/2024	0.00209	0.000205 (J)	<0.0005	<0.0005			0.000344 (J)
2/26/2025	0.00181	<0.0005	<0.0005	<0.0005	0.00515	0.000457 (J)	0.00037 (J)
9/2/2025		0.000294 (J)			0.00526		
9/3/2025	0.000859		<0.0005	<0.0005		0.000501	0.000347 (J)
Mean	0.001809	0.0002444	0.0002335	0.0002623	0.008067	0.0004004	0.0003133
Std. Dev.	0.0004272	0.0001607	0.0001646	0.0002053	0.00154	8.034E-05	5.69E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-38S	PZ-13S	PZ-70I
Upper Lim.	0.002033	0.000294	0.00021	0.0005	0.008852	0.000478	0.0003745
Lower Lim.	0.001586	0.00013	0.00012	8.7E-05	0.007281	0.0003229	0.0002481

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-36S	BRGWC-38S	PZ-13S
9/7/2016	0.0005 (J)		8E-05 (J)	0.0004 (J)	
9/8/2016		<0.001			
11/17/2016	0.0005 (J)	0.0009 (J)			
11/18/2016			<0.001		
11/21/2016				0.0005 (J)	
2/22/2017	0.0006 (J)	0.0005 (J)			
2/23/2017			0.0001 (J)	0.0007 (J)	
6/14/2017	0.0004 (J)	0.0004 (J)			
6/15/2017			<0.001	0.0006 (J)	
9/27/2017	0.0004 (J)	0.0007 (J)			
9/28/2017			<0.001	0.0007 (J)	
2/15/2018	<0.001	<0.001	<0.001	0.00069 (J)	
6/27/2018	0.00038 (J)	0.00017 (J)			
6/28/2018			<0.001	0.00056 (J)	
12/18/2018	0.00046 (J)	0.00023 (J)			
12/19/2018			0.00011 (J)		
12/20/2018				0.00062 (J)	
1/15/2019					0.00011 (J)
8/27/2019	0.00032 (J)				
8/28/2019		0.00025 (J)	<0.001		
8/29/2019				0.00053 (J)	
10/16/2019	0.00039 (J)	0.0004 (J)		0.00057 (J)	
10/17/2019			<0.001		
10/22/2019					<0.001
12/3/2019			<0.001		
3/5/2020	0.00038 (J)	0.00018 (J)	<0.001	0.00059 (J)	
8/19/2020	0.00029 (J)	0.00018 (J)	<0.001	0.00056 (J)	
9/16/2020	0.00032 (J)	0.00017 (J)	<0.001		
9/17/2020				0.0005 (J)	
3/3/2021	0.00022 (J)	0.00015 (J)	<0.001		
3/4/2021				0.00042 (J)	
9/22/2021	0.00019 (J)	0.00033 (J)	<0.001		
9/23/2021				0.00048 (J)	
2/1/2022	0.00023 (J)	0.00012 (J)	<0.001	0.00058	
8/23/2022	0.000509 (J)			0.000459 (J)	<0.001
8/24/2022		0.000517 (J)	<0.001		
1/24/2023	0.000482 (J)	<0.001			
1/25/2023			<0.001	0.00043 (J)	
1/26/2023					<0.001
8/22/2023	0.000533 (J)	<0.001			<0.001
8/23/2023			<0.001	0.00041 (J)	
1/30/2024					<0.001
1/31/2024	0.000792 (J)	<0.001	<0.001	0.000342 (J)	
8/27/2024				0.000341 (J)	<0.001
8/28/2024	0.000807 (J)	<0.001	<0.001		
2/26/2025	0.001	<0.001	<0.001	<0.001	<0.001
9/2/2025		0.000304 (J)		<0.001	
9/3/2025	0.000738 (J)		<0.001		<0.001
Mean	0.0004757	0.0005435	0.0008871	0.000521	0.0009011
Std. Dev.	0.0002026	0.000358	0.0003052	0.0001044	0.0002967
Upper Lim.	0.0005816	0.001	0.001	0.0005755	0.001
Lower Lim.	0.0003697	0.00018	0.00011	0.0004664	0.00011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S
9/7/2016	0.01 (J)	<0.01	0.0019 (J)	0.0073 (J)		0.0014 (J)	
11/17/2016	0.0185	<0.01	0.0024 (J)				
11/18/2016				0.008 (J)			
11/21/2016						0.003 (J)	
2/22/2017	0.0122	<0.01	0.004 (J)				
2/23/2017				0.0086 (J)	0.001 (J)	0.0028 (J)	
4/17/2017					0.0018 (J)		
5/15/2017					0.0014 (J)		
6/14/2017		<0.01					
6/15/2017	0.0117		0.0033 (J)	0.0082 (J)	0.0013 (J)	0.0038 (J)	
9/27/2017		<0.01					
9/28/2017	0.0114		0.0052 (J)	0.0083 (J)	0.0014 (J)	0.0037 (J)	
2/15/2018	0.011	<0.01	<0.01	0.0086 (J)	<0.01	0.0044 (J)	
6/27/2018	0.0098 (J)	<0.01	0.0062 (J)				
6/28/2018				0.0076 (J)	<0.01	0.0041 (J)	
12/18/2018		<0.01					
12/19/2018	0.0095 (J)		0.0073 (J)	0.0085 (J)	<0.01		
12/20/2018						0.0041 (J)	
1/15/2019							0.025
8/27/2019		<0.01					
8/28/2019	0.013		0.0071 (J)	0.0078 (J)	0.0017 (J)		
8/29/2019						0.0044 (J)	
10/16/2019		0.00049 (J)	0.0064 (J)		0.0014 (J)	0.0038 (J)	
10/22/2019							0.02
12/3/2019	0.011			0.007 (J)			
3/3/2020	0.0081 (J)						
3/5/2020		<0.01	0.0076 (J)	0.0087 (J)	0.0016 (J)	0.0038 (J)	
8/19/2020	0.012	<0.01	0.0073 (J)	0.0094 (J)	0.0017 (J)	0.0043 (J)	
9/16/2020	0.012	<0.01	0.0058 (J)	0.0064 (J)	0.0018 (J)		
9/17/2020						0.0042 (J)	
3/3/2021		<0.01		0.0067	0.0014 (J)		
3/4/2021	0.01		0.0053			0.004 (J)	
9/22/2021	0.0091	<0.01		0.0065			
9/23/2021			0.0065		0.0016 (J)	0.004 (J)	
2/1/2022	0.013	<0.01	0.0056	0.0068		0.0035 (J)	
2/2/2022					0.0015 (J)		
8/23/2022		<0.01			<0.01	0.00398 (J)	0.0128
8/24/2022	0.0127		0.00752 (J)	0.00713 (J)			
1/24/2023	0.00886 (J)	<0.01	0.00524 (J)				
1/25/2023				0.00682 (J)	<0.01	0.00362 (J)	
1/26/2023							0.0153
8/22/2023		<0.01			<0.01		0.0111
8/23/2023	0.0115		0.00592 (J)	0.00649 (J)		0.00338 (J)	
1/30/2024	0.011		0.0059 (J)				0.0134
1/31/2024		<0.01		0.00648 (J)	<0.01	0.00305 (J)	
8/27/2024					<0.01	0.00328 (J)	0.0137
8/28/2024	0.0101	<0.01	0.00491 (J)	0.00617 (J)			
2/26/2025	0.00685 (J)	<0.01	0.00553 (J)	0.00674 (J)	<0.01	<0.01	0.0132
9/2/2025					<0.01	0.00304 (J)	
9/3/2025	0.00942 (J)	<0.01	0.00639 (J)	0.00802 (J)			0.0125
Mean	0.01099	0.009587	0.005579	0.007489	0.0052	0.00368	0.01522
Std. Dev.	0.002279	0.001983	0.001528	0.0009257	0.004308	0.0007278	0.00445

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S
Upper Lim.	0.01218	0.01	0.006378	0.007973	0.01	0.004061	0.025
Lower Lim.	0.009796	0.00049	0.004779	0.007005	0.0015	0.0033	0.0111

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
9/7/2016	0.0612		0.0023 (J)	0.236				
9/8/2016		0.0029 (J)						
11/17/2016	0.0551	0.0028 (J)	0.0012 (J)					
11/21/2016				0.298				
2/22/2017	0.0567	0.0041 (J)	0.0008 (J)					
2/23/2017				0.277				
6/14/2017	0.0557	0.0036 (J)						
6/15/2017			0.0004 (J)	0.262				
9/27/2017	0.049	0.0028 (J)						
9/28/2017			0.0003 (J)	0.279				
2/15/2018	0.0536	<0.01	<0.001	0.279				
6/27/2018	0.054	0.0041 (J)	<0.001					
6/28/2018				0.23				
12/18/2018	0.049	0.0032 (J)						
12/19/2018			<0.001					
12/20/2018				0.25				
1/15/2019					<0.001			
8/27/2019	0.045							
8/28/2019		0.0037 (J)	<0.001					
8/29/2019				0.21				
10/16/2019	0.042	0.0043 (J)	<0.001	0.21				
10/22/2019					0.00037 (J)			
3/5/2020	0.037	0.0031 (J)	<0.001	0.22				
6/4/2020							0.0012 (J)	
6/19/2020						0.00034 (J)		
8/19/2020	0.036	0.0041 (J)	<0.001	0.22				
9/16/2020	0.034	0.0042 (J)	<0.001					
9/17/2020				0.2				
3/3/2021	0.028	0.0046 (J)						
3/4/2021			<0.001	0.2				
9/22/2021	0.024	0.0075						
9/23/2021			<0.001	0.17				
2/1/2022	0.027	0.0044 (J)	<0.001	0.18				
8/23/2022	0.0639			0.173	<0.001		<0.001	
8/24/2022		0.00438	<0.001					
9/1/2022						0.0015		0.0056
1/24/2023	0.0582	0.00351	<0.001					
1/25/2023				0.158		0.00249	<0.001	
1/26/2023					<0.001			0.000682 (J)
8/22/2023	0.0659	0.00384			<0.001			
8/23/2023			<0.001	0.139		0.000307 (J)		0.000784 (J)
8/24/2023							<0.001	
1/30/2024			<0.001		<0.001			
1/31/2024	0.0988	0.00751		0.134		0.00104	<0.001	0.000866 (J)
8/27/2024				0.119	<0.001		<0.001	
8/28/2024	0.104	0.00494	<0.001			0.000337 (J)		0.000686 (J)
2/26/2025	0.106	0.00592	<0.001	0.109	<0.001	0.000373 (J)	<0.001	0.000507 (J)
9/2/2025		0.00846		0.0974			0.000372 (J)	
9/3/2025	0.0784		<0.001		<0.001	0.00281		0.000481 (J)
Mean	0.05576	0.004477	0.001	0.2022	0.00093	0.00115	0.0009465	0.001372
Std. Dev.	0.02301	0.001533	0.0003451	0.05826	0.00021	0.001022	0.0002425	0.001869
Upper Lim.	0.0678	0.005137	0.0012	0.2327	0.001	0.00281	0.0012	0.0056

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D	PZ-70I
Lower Lim.	0.04373	0.00366	0.0008	0.1717	0.00037	0.000307	0.000372	0.000481

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D
9/7/2016	0.541	0.706 (U)		1.13	0.998 (U)		3.35		
9/8/2016			2.03						
11/17/2016	0.145 (U)	1.02 (U)	0.613	0.729 (U)					
11/18/2016					1.22 (U)				
11/21/2016							2.94		
2/22/2017	0.0213 (U)	0.482 (U)	1.01 (U)	0.293 (U)					
2/23/2017					0.554 (U)	0.567 (U)	1.92		
4/17/2017						0.335 (U)			
5/15/2017						0.261 (U)			
6/14/2017		0.723 (U)	0.801 (U)						
6/15/2017	0.41 (U)			1.09	0.77 (U)	0.188 (U)	3.6		
9/27/2017		1.5	1.44						
9/28/2017	0.496 (U)			1.02 (U)	1.07 (U)	0.627 (U)	3.3		
2/15/2018	0.672 (U)	1.14 (U)	0.668 (U)	0.742 (U)	0.751 (U)	0.869 (U)	2.31		
6/27/2018	0.692 (U)	1.3 (U)	1.06 (U)	0.739 (U)					
6/28/2018					0.392 (U)	0.336 (U)	1.75		
12/18/2018		1.64	1.22						
12/19/2018	0.325 (U)			0.465 (U)	0.693 (U)	0.454 (U)			
12/20/2018							2.8		
1/15/2019								0.602	
8/27/2019		1.38							
8/28/2019	0.24 (U)		0.811 (U)	0.995 (U)	0.866 (U)	0.809 (U)			
8/29/2019							3.68		
10/16/2019		1.16 (U)	0.561 (U)	1.69		0.815 (U)	2.66		
10/22/2019								0.631 (U)	
12/18/2019	1.16 (U)				1.91				
3/3/2020	0.756 (U)								
3/5/2020		0.683 (U)	0.792 (U)	0.858 (U)	1.3	0.791 (U)	2.21		
8/19/2020	0.985 (U)	1.14 (U)	1.21 (U)	0.162 (U)	1.4	0.582 (U)	3.17		
9/16/2020	0.478 (U)	0.195 (U)	0.72 (U)	1.25 (U)	1.17 (U)	0.844 (U)			
9/17/2020							2.92		
3/3/2021		0.708 (U)	1.12		0.307 (U)	1.12			
3/4/2021	0.38 (U)			0.461 (U)			1.99		
9/22/2021	0.734 (U)	0.382 (U)	0.91 (U)		0.808 (U)				
9/23/2021				0.394 (U)		0.078 (U)	1.4		
2/1/2022	0.503 (U)	0.583 (U)	0.535 (U)	0.672 (U)	1.61 (U)		7.64		
2/2/2022						0.654 (U)			
8/23/2022		1.94				2.37 (U)	3.12	1.83 (U)	
8/24/2022	0.152 (U)		1.86	3.1	1.38 (U)				
1/24/2023	0.728 (U)	3.31 (U)	2.14 (U)	3.34					
1/25/2023					4.86	1.67 (U)	3.79		
1/26/2023								4.77	
2/2/2023									5.39
8/22/2023		0.521 (U)	1.06 (U)			0.578 (U)		0.823 (U)	
8/23/2023	1.92 (U)			3.33	3.87		5.98		1.14 (U)
1/30/2024	1.36			2.4				2.01	
1/31/2024		2.66	1.31 (U)		2.31	1.74	2.98		2.54
8/27/2024						2.01 (U)	0.945 (U)	4.31	
8/28/2024	1.78 (U)	2.68	3.15	1.36 (U)	2.45				5.34
2/26/2025	5.67	4.05	4.95	3.29	4.5	5.37	3.64	3.29	3.82
9/2/2025			5.54			2.62	3.53		
9/3/2025	1.29 (U)	2.7		2.95	1.82			1.75	3.81

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D
Mean	0.9321	1.418	1.544	1.411	1.609	1.117	3.114	2.224	3.673
Std. Dev.	1.147	1.022	1.321	1.079	1.249	1.158	1.419	1.562	1.641
Upper Lim.	1.116	1.784	1.71	1.79	2.027	1.432	3.699	3.732	5.928
Lower Lim.	0.3786	0.8204	0.8747	0.7654	0.9237	0.518	2.334	0.7156	1.419

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	PZ-53D	PZ-70I
8/23/2022	3.04	
9/1/2022		1.57 (U)
1/25/2023	2.1 (U)	
1/26/2023		1.81 (U)
8/23/2023		4.35
8/24/2023	3.67	
1/31/2024	3.57	1.55
8/27/2024	3.22	
8/28/2024		1.25 (U)
2/26/2025	4.25	2.41
9/2/2025	3.34	
9/3/2025		2.86
Mean	3.313	2.257
Std. Dev.	0.6617	1.077
Upper Lim.	4.099	3.536
Lower Lim.	2.527	0.9784

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D
9/7/2016	0.22 (J)	0.19 (J)		0.34	0.18 (J)		0.66		
9/8/2016			0.17 (J)						
11/17/2016	0.33	0.26 (J)	0.12 (J)	0.24 (J)					
11/18/2016					0.04 (J)				
11/21/2016							0.95		
2/22/2017	0.11 (J)	0.21 (J)	0.17 (J)	0.09 (J)					
2/23/2017					0.07 (J)	0.1 (J)	0.75		
4/17/2017						0.08 (J)			
5/15/2017						0.02 (J)			
6/14/2017		0.18 (J)	0.1 (J)						
6/15/2017	0.05 (J)			0.03 (J)	0.01 (J)	0.03 (J)	0.77		
9/27/2017		0.42	0.4						
9/28/2017	0.05 (J)			<0.1	<0.1	<0.1	0.8		
2/15/2018	<0.3	0.42	<0.3	<0.1	<0.1	<0.1	0.82		
6/27/2018	0.093 (J)	0.32	0.21 (J)	0.22 (J)					
6/28/2018					0.51	<0.1	1.5		
12/18/2018		0.28 (J)	0.12 (J)						
12/19/2018	0.16 (J)			0.11 (J)	<0.1	0.094 (J)			
12/20/2018							0.68		
1/15/2019								0.06 (J)	
3/19/2019	0.1 (J)				<0.1				
3/20/2019		0.14 (J)	0.074 (J)	0.088 (J)		0.062 (J)	0.95		
8/27/2019		0.11 (J)							
8/28/2019	0.085 (J)		0.057 (J)	0.056 (J)	<0.1	<0.1			
8/29/2019							0.9		
10/16/2019		0.17 (J)	0.13 (J)	0.08 (J)		0.059 (J)	0.61		
10/22/2019								<0.1	
12/3/2019	0.2 (J)				0.15 (J)				
3/3/2020	0.093 (J)								
3/5/2020		0.088 (J)	0.072 (J)	0.067 (J)	<0.1	0.05 (J)	0.92		
6/19/2020									0.59
8/19/2020	0.1	0.11	0.074 (J)	0.06 (J)	0.051 (J)	0.055 (J)	0.95		
9/16/2020	0.1	0.085 (J)	0.077 (J)	0.062 (J)	<0.1	<0.1			
9/17/2020							0.68		
3/3/2021		0.069 (J)	0.071 (J)		<0.1	<0.1			
3/4/2021	0.096 (J)			0.076 (J)			0.83		
9/22/2021	0.1	0.068 (J)	0.1		0.054 (J)				
9/23/2021				0.073 (J)		<0.1	0.85		
2/1/2022	0.079 (J)	0.053 (J)	0.06 (J)	0.055 (J)	<0.1		0.95		
2/2/2022						<0.1			
8/23/2022		0.187				0.105	0.609	0.128	
8/24/2022	0.274		0.14	<0.1	0.194				
9/1/2022									0.14
1/24/2023	0.216	0.193	0.122	0.239					
1/25/2023					0.183	0.114	0.708		
1/26/2023								<0.1	1.93
8/22/2023		0.123	0.0816 (J)			0.0445 (J)		<0.1	
8/23/2023	0.484			0.347	0.301		0.748		1.94
1/30/2024	0.34			0.263				0.222	
1/31/2024		0.194	0.101		0.144	0.109	0.493		1.9
8/27/2024						0.0777 (J)	0.366	0.0701 (J)	
8/28/2024	0.218	0.204	0.11	0.0609 (J)	0.0861 (J)				2.04

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S	PZ-52D
2/26/2025	0.0663 (J)	0.143	0.1	0.0472 (J)	0.0348 (J)	0.0523 (J)	0.336	0.0404 (J)	2.03
9/2/2025			0.113			0.0668 (J)	0.296		
9/3/2025	0.105	0.0936 (J)		0.0847 (J)	0.081 (J)			0.0545 (J)	1.88
Mean	0.1591	0.1796	0.1218	0.1183	0.1245	0.07997	0.7553	0.09722	1.556
Std. Dev.	0.1082	0.1011	0.07052	0.09726	0.1027	0.0272	0.2509	0.05445	0.7472
Upper Lim.	0.1963	0.2312	0.1369	0.22	0.146	0.1	0.8833	0.1314	2.04
Lower Lim.	0.101	0.128	0.08756	0.055	0.05792	0.055	0.6272	0.03955	0.14

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	PZ-53D	PZ-70I
6/4/2020	0.19	
8/23/2022	0.164	
9/1/2022		1.43
1/25/2023	0.282	
1/26/2023		<0.1
8/23/2023		0.229
8/24/2023	0.334	
1/31/2024	0.153	0.108
8/27/2024	0.103	
8/28/2024		<0.1
2/26/2025	0.0608 (J)	<0.1
9/2/2025	0.121	
9/3/2025		0.0577 (J)
Mean	0.176	0.3035
Std. Dev.	0.09157	0.4996
Upper Lim.	0.273	1.43
Lower Lim.	0.07892	0.0577

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S
9/7/2016	<0.002	0.0002 (J)		0.0001 (J)	<0.002		0.0004 (J)	
9/8/2016			<0.002					
11/17/2016	0.0001 (J)	0.0002 (J)	0.0001 (J)	0.0002 (J)				
11/18/2016					<0.002			
11/21/2016							0.0005 (J)	
2/22/2017	<0.002	0.0001 (J)	0.0003 (J)	0.0001 (J)				
2/23/2017					<0.002	<0.002	0.0005 (J)	
4/17/2017						0.0001 (J)		
5/15/2017						<0.002		
6/14/2017		9E-05 (J)	<0.002					
6/15/2017	<0.002			<0.002	<0.002	<0.002	0.0004 (J)	
9/27/2017		7E-05 (J)	9E-05 (J)					
9/28/2017	<0.002			<0.002	<0.002	0.0001 (J)	0.0004 (J)	
2/15/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00047 (J)	
6/27/2018	<0.002	<0.002	<0.002	<0.002				
6/28/2018					<0.002	<0.002	0.00036 (J)	
12/18/2018		<0.002	<0.002					
12/19/2018	<0.002			<0.002	<0.002	<0.002		
12/20/2018							0.00039 (J)	
1/15/2019								<0.002
8/27/2019		0.00013 (J)						
8/28/2019	<0.002		<0.002	<0.002	<0.002	<0.002		
8/29/2019							0.00035 (J)	
10/16/2019		8.8E-05 (J)	<0.002	<0.002		<0.002	0.00035 (J)	
10/22/2019								0.00035 (J)
12/3/2019	<0.002				<0.002			
3/3/2020	<0.002							
3/5/2020		8.7E-05 (J)	<0.002	<0.002	<0.002	<0.002	0.00041 (J)	
8/19/2020	<0.002	6E-05 (J)	<0.002	<0.002	4.7E-05 (J)	<0.002	0.00031 (J)	
9/16/2020	5.4E-05 (J)	6.3E-05 (J)	<0.002	0.00012 (J)	<0.002	<0.002		
9/17/2020							0.00032 (J)	
3/3/2021		5.8E-05 (J)	<0.002		<0.002	<0.002		
3/4/2021	<0.002			<0.002			0.00034 (J)	
9/22/2021	<0.002	<0.002	<0.002		<0.002			
9/23/2021				<0.002		<0.002	<0.002	
2/1/2022	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
2/2/2022						<0.002		
8/23/2022		<0.002				<0.002	<0.002	<0.002
8/24/2022	<0.002		<0.002	<0.002	<0.002			
1/24/2023	<0.002	<0.002	<0.002	<0.002				
1/25/2023					<0.002	<0.002	<0.002	
1/26/2023								<0.002
8/22/2023		<0.002	<0.002			<0.002		<0.002
8/23/2023	<0.002			<0.002	<0.002		<0.002	
1/30/2024	<0.002			<0.002				<0.002
1/31/2024		<0.002	<0.002		<0.002	<0.002	<0.002	
8/27/2024						<0.002	<0.002	<0.002
8/28/2024	<0.002	<0.002	<0.002	<0.002	<0.002			
2/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/2/2025			<0.002			<0.002	<0.002	
9/3/2025	<0.002	<0.002		<0.002	<0.002			<0.002
Mean	0.001833	0.001093	0.00176	0.001675	0.001915	0.001835	0.001022	0.001817

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-13S
Std. Dev.	0.0005541	0.0009689	0.0006335	0.0007249	0.0004072	0.0005474	0.0008034	0.00055
Upper Lim.	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0001	8.8E-05	0.0003	0.0002	4.7E-05	0.0001	0.00036	0.00035

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D
9/7/2016	<0.01	0.0092 (J)		0.0021 (J)	0.0024 (J)	0.0193 (J)			
9/8/2016			<0.01						
11/17/2016	<0.01	0.0097 (J)	<0.01	0.0022 (J)					
11/18/2016					0.0026 (J)				
11/21/2016						0.0223 (J)			
2/22/2017	<0.01	0.0106 (J)	<0.01	0.0023 (J)					
2/23/2017					0.0026 (J)	0.0229 (J)			
6/14/2017		0.0097 (J)	<0.01						
6/15/2017	<0.01			0.0023 (J)	0.0026 (J)	0.0227 (J)			
9/27/2017		0.0099 (J)	<0.01						
9/28/2017	<0.01			0.0021 (J)	0.0025 (J)	0.023 (J)			
2/15/2018	<0.01	0.0106 (J)	<0.01	0.0021 (J)	<0.01	0.0254 (J)			
6/27/2018	<0.01	0.01 (J)	<0.01	0.0021 (J)					
6/28/2018					0.0022 (J)	0.021 (J)			
12/18/2018		0.011 (J)	<0.01						
12/19/2018	<0.01			0.0021 (J)	0.0026 (J)				
12/20/2018						0.022 (J)			
1/15/2019							0.0017 (J)		
8/27/2019		0.01 (J)							
8/28/2019	0.00097 (J)		0.0009 (J)	0.0021 (J)	0.0025 (J)				
8/29/2019						0.021 (J)			
10/16/2019		0.0098 (J)	0.00078 (J)	0.0022 (J)		0.02 (J)			
10/22/2019							0.001 (J)		
12/3/2019	0.001 (J)				0.0024 (J)				
3/3/2020	<0.01								
3/5/2020		0.011 (J)	0.00089 (J)	0.0021 (J)	0.0025 (J)	0.021 (J)			
8/19/2020	0.001 (J)	0.009 (J)	0.00082 (J)	0.0021 (J)	0.0024 (J)	0.021 (J)			
9/16/2020	0.00096 (J)	0.0089 (J)	<0.01	0.002 (J)	0.0022 (J)				
9/17/2020						0.02 (J)			
3/3/2021		0.0085 (J)	0.00096 (J)		0.0024 (J)				
3/4/2021	0.00086 (J)			0.0021 (J)		0.021 (J)			
9/22/2021	0.0011 (J)	0.008 (J)	<0.01		0.0026 (J)				
9/23/2021				0.0022 (J)		0.019 (J)			
2/1/2022	0.00096 (J)	0.0083 (J)	0.00085 (J)	0.0021 (J)	0.0023 (J)	0.02 (J)			
8/23/2022		0.0109				0.0214	<0.01		0.0171
8/24/2022	<0.01		<0.01	<0.01	<0.01				
1/24/2023	<0.01	0.0115	<0.01	<0.01					
1/25/2023					<0.01	0.0256		0.0165	0.0207
1/26/2023							<0.01		
8/22/2023		0.00967 (J)	<0.01				<0.01		
8/23/2023	<0.01			<0.01	<0.01	0.0195		0.0182	
8/24/2023									0.0185
1/30/2024	<0.01			<0.01			<0.01		
1/31/2024		0.0117	<0.01		<0.01	0.0201		0.0184	0.0182
8/27/2024						0.02	<0.01		0.019
8/28/2024	<0.01	0.0102	<0.01	<0.01	<0.01			0.0163	
2/26/2025	<0.01	0.0102	<0.01	<0.01	<0.01	0.0178	<0.01	0.0182	0.0182
9/2/2025			<0.01			0.0172			0.0176
9/3/2025	<0.01	0.008 (J)		<0.01	<0.01		<0.01	0.018	
Mean	0.007254	0.009842	0.007617	0.00453	0.005078	0.02101	0.008078	0.0176	0.01847
Std. Dev.	0.004244	0.001055	0.004101	0.0037	0.003677	0.00205	0.003818	0.0009402	0.001157
Upper Lim.	0.01	0.01039	0.01	0.01	0.01	0.02208	0.01	0.0184	0.01985

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-38S	PZ-13S	PZ-52D	PZ-53D
Lower Lim.	0.001	0.00929	0.00096	0.0021	0.0024	0.01994	0.001	0.0163	0.0171

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	PZ-70I
9/1/2022	0.00615 (J)
1/26/2023	0.00381 (J)
8/23/2023	0.00385 (J)
1/31/2024	0.00385 (J)
8/28/2024	0.00382 (J)
2/26/2025	0.00401 (J)
9/3/2025	0.00407 (J)
Mean	0.004223
Std. Dev.	0.0008557
Upper Lim.	0.00615
Lower Lim.	0.00381

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-34S	BRGWC-35S	BRGWC-36S	BRGWC-37S	BRGWC-38S	PZ-70I
9/7/2016	<0.0002	<0.0002		<0.0002	<0.0002		7E-05 (J)	
9/8/2016			<0.0002					
11/17/2016	<0.0002	<0.0002	<0.0002	<0.0002				
11/18/2016					<0.0002			
11/21/2016							0.00012 (J)	
2/22/2017	<0.0002	<0.0002	<0.0002	<0.0002				
2/23/2017					<0.0002	<0.0002	7E-05 (J)	
4/17/2017						<0.0002		
5/15/2017						<0.0002		
6/14/2017		7E-05 (J)	7E-05 (J)					
6/15/2017	6E-05 (J)			7E-05 (J)	7E-05 (J)	6E-05 (J)	0.00016 (J)	
9/27/2017		4E-05 (J)	4E-05 (J)					
9/28/2017	<0.0002			<0.0002	<0.0002	<0.0002	0.00011 (J)	
2/15/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00015 (J)	
6/27/2018	<0.0002	<0.0002	<0.0002	<0.0002				
6/28/2018					<0.0002	<0.0002	0.00017 (J)	
12/18/2018		<0.0002	<0.0002					
12/19/2018	<0.0002			<0.0002	<0.0002	<0.0002		
12/20/2018							0.00017 (J)	
8/27/2019		<0.0002						
8/28/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
8/29/2019							0.00018 (J)	
8/19/2020	8.4E-05 (J)	<0.0002	0.00012 (J)	0.00013 (J)	0.00013 (J)	0.00014 (J)	0.00018 (J)	
9/16/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
9/17/2020							0.00011 (J)	
3/3/2021		<0.0002	<0.0002		<0.0002	<0.0002		
3/4/2021	<0.0002			<0.0002			8.5E-05 (J)	
9/22/2021	0.0001 (J)	0.00012 (J)	0.00015 (J)		0.0001 (J)			
9/23/2021				0.00011 (J)		0.00011 (J)	0.00022	
2/1/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
2/2/2022						<0.0002		
8/23/2022		<0.0002				<0.0002	0.000117 (J)	
8/24/2022	<0.0002		<0.0002	<0.0002	<0.0002			
9/1/2022								<0.0002
1/24/2023	<0.0002	<0.0002	<0.0002	<0.0002				
1/25/2023					<0.0002	<0.0002	<0.0002	
1/26/2023								<0.0002
8/22/2023		<0.0002	<0.0002			<0.0002		
8/23/2023	<0.0002			<0.0002	<0.0002		<0.0002	0.00322
1/30/2024	<0.0002			<0.0002				
1/31/2024		<0.0002	<0.0002		<0.0002	<0.0002	8.5E-05 (J)	0.00149
8/27/2024						<0.0002	<0.0002	
8/28/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			0.00101
2/26/2025	<0.0002	<0.0002	0.000131 (J)	<0.0002	<0.0002	<0.0002	<0.0002	0.00173
9/2/2025			<0.0002			<0.0002	7.6E-05 (J)	
9/3/2025	<0.0002	<0.0002		<0.0002	<0.0002			0.00108
Mean	0.000183	0.0001824	0.0001767	0.0001862	0.0001857	0.0001862	0.0001463	0.001276
Std. Dev.	4.302E-05	4.603E-05	4.732E-05	3.598E-05	3.709E-05	3.694E-05	5.086E-05	0.001037
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001405	0.002416
Lower Lim.	0.0001	0.00012	0.00015	0.00013	0.00013	0.00014	9.131E-05	0.000135

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	PZ-52D	PZ-53D	PZ-70I
8/23/2022		0.00265	
9/1/2022			0.00142
1/25/2023	0.0222	0.00234	
1/26/2023			<0.001
8/23/2023	0.0154		<0.001
8/24/2023		0.00211	
1/31/2024	0.0137	0.00209	<0.001
8/27/2024		0.00191	
8/28/2024	0.00922		<0.001
2/26/2025	0.00804	0.00158	<0.001
9/2/2025		0.00172	
9/3/2025	0.00641		<0.001
Mean	0.0125	0.002057	0.00106
Std. Dev.	0.00586	0.0003648	0.0001587
Upper Lim.	0.02054	0.00249	0.00142
Lower Lim.	0.004445	0.001624	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-36S	BRGWC-38S	PZ-13S	PZ-53D	PZ-70I
9/7/2016	0.0024 (J)	0.0032 (J)	0.0079 (J)	0.0311			
11/17/2016	0.0028 (J)	0.0028 (J)					
11/18/2016			0.0082 (J)				
11/21/2016				0.0409			
2/22/2017	0.0018 (J)	0.0018 (J)					
2/23/2017			0.0061 (J)	0.0354			
6/14/2017		0.004 (J)					
6/15/2017	0.0024 (J)		0.0046 (J)	0.0511			
9/27/2017		0.0036 (J)					
9/28/2017	<0.005		0.0042 (J)	0.0484			
2/15/2018	<0.005	<0.005	0.0045 (J)	0.0435			
6/27/2018	0.002 (J)	0.0017 (J)					
6/28/2018			0.0033 (J)	0.037			
12/18/2018		<0.005					
12/19/2018	0.0014 (J)		0.0042 (J)				
12/20/2018				0.037			
1/15/2019					0.0033 (J)		
8/27/2019		<0.005					
8/28/2019	0.003 (J)		0.0041 (J)				
8/29/2019				0.036			
10/16/2019		0.0028 (J)		0.033			
10/22/2019					0.0033 (J)		
12/3/2019	0.0041 (J)		0.0035 (J)				
3/3/2020	0.0019 (J)						
3/5/2020		<0.005	0.0034 (J)	0.032			
8/19/2020	0.003 (J)	<0.005	0.002 (J)	0.041			
9/16/2020	<0.005	0.0028 (J)	0.0031 (J)				
9/17/2020				0.029			
3/3/2021		<0.005	0.0024 (J)				
3/4/2021	<0.005			0.039			
9/22/2021	0.0015 (J)	<0.005	0.0032 (J)				
9/23/2021				0.031			
2/1/2022	0.0021 (J)	<0.005	0.0025 (J)	0.029			
8/23/2022		0.0061		0.0296	0.00157 (J)	<0.005	
8/24/2022	0.00208 (J)		0.00246 (J)				
9/1/2022							0.00625
1/24/2023	0.00178 (J)	0.0049 (J)					
1/25/2023			0.00237 (J)	0.0279		<0.005	
1/26/2023					0.00215 (J)		0.00921
8/22/2023		0.00572			<0.005		
8/23/2023	0.00214 (J)		0.00173 (J)	0.0186			0.00829
8/24/2023						<0.005	
1/30/2024	0.00271 (J)				0.00203 (J)		
1/31/2024		0.0164	0.00174 (J)	0.0187		<0.005	0.00789
8/27/2024				0.018	0.00217 (J)	<0.005	
8/28/2024	0.00304 (J)	0.0238	0.00159 (J)				0.00691
2/26/2025	0.00261 (J)	0.0286	0.00173 (J)	0.0147	0.00308 (J)	<0.005	0.00633
9/2/2025				0.0155		0.00188 (J)	
9/3/2025	0.00297 (J)	0.0142	0.00151 (J)		0.00333 (J)		0.00477 (J)
Mean	0.002858	0.007062	0.003493	0.03206	0.002603	0.004554	0.007093
Std. Dev.	0.001169	0.006977	0.001857	0.01005	0.0006639	0.001179	0.001487
Upper Lim.	0.00263	0.00572	0.004224	0.03731	0.003244	0.005	0.008859

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-36S	BRGWC-38S	PZ-13S	PZ-53D	PZ-70I
Lower Lim.	0.001973	0.0032	0.00247	0.02681	0.001962	0.00188	0.005326

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/22/2025 1:09 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Pond E

	BRGWC-17S	BRGWC-33S	BRGWC-38S
9/7/2016	<0.002	0.0002 (J)	<0.002
11/17/2016	<0.002	0.0002 (J)	
11/21/2016			0.0004 (J)
2/22/2017	<0.002	0.0002 (J)	
2/23/2017			0.0003 (J)
6/14/2017		0.0002 (J)	
6/15/2017	<0.002		0.0003 (J)
9/27/2017		0.0002 (J)	
9/28/2017	<0.002		0.0003 (J)
2/15/2018	<0.002	0.00024 (J)	0.00026 (J)
6/27/2018	<0.002	0.00022 (J)	
6/28/2018			0.00018 (J)
12/18/2018		0.00022 (J)	
12/19/2018	<0.002		
12/20/2018			0.00023 (J)
8/27/2019		0.00016 (J)	
8/28/2019	<0.002		
8/29/2019			0.00021 (J)
10/16/2019		0.00019 (J)	0.0002 (J)
12/3/2019	6.6E-05 (J)		
3/3/2020	<0.002		
3/5/2020		0.0002 (J)	0.0002 (J)
8/19/2020	<0.002	0.00018 (J)	0.00019 (J)
9/16/2020	<0.002	0.00018 (J)	
9/17/2020			0.00017 (J)
3/3/2021		0.00018 (J)	
3/4/2021	<0.002		<0.002
9/22/2021	<0.002	<0.002	
9/23/2021			0.00022 (J)
2/1/2022	<0.002	<0.002	<0.002
8/23/2022		<0.002	<0.002
8/24/2022	<0.002		
1/24/2023	<0.002	<0.002	
1/25/2023			<0.002
8/22/2023		<0.002	
8/23/2023	<0.002		<0.002
1/30/2024	<0.002		
1/31/2024		<0.002	<0.002
8/27/2024			<0.002
8/28/2024	<0.002	<0.002	
2/26/2025	<0.002	<0.002	<0.002
9/2/2025			<0.002
9/3/2025	<0.002	<0.002	
Mean	0.001916	0.000903	0.001007
Std. Dev.	0.0004033	0.0008994	0.0008919
Upper Lim.	0.002	0.002	0.002
Lower Lim.	6.6E-05	0.00019	0.00021

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/23/2025, 11:17 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	**BRGWC-38S**	**-0.0004843**	**-188**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0000688**	**-91**	**-76**	**Yes**	**23**	**52.17**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002344**	**-169**	**-76**	**Yes**	**23**	**8.696**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.0000821**	**-107**	**-71**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWC-38S**	**-0.02106**	**-215**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

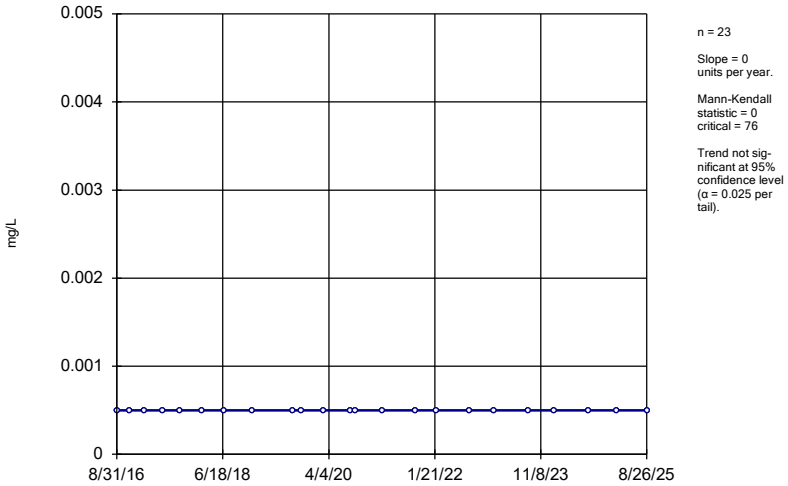
Plant Branch Client: Southern Company Data: Branch Pond E Printed 10/23/2025, 11:17 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	BRGWA-2I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-2S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-6S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	**BRGWC-38S**	**-0.0004843**	**-188**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0000688**	**-91**	**-76**	**Yes**	**23**	**52.17**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002344**	**-169**	**-76**	**Yes**	**23**	**8.696**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.0000821**	**-107**	**-71**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	BRGWA-5S (bg)	0	37	76	No	23	73.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-6S (bg)	0	6	76	No	23	73.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWC-33S	0.001048	16	76	No	23	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWC-38S**	**-0.02106**	**-215**	**-76**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 76

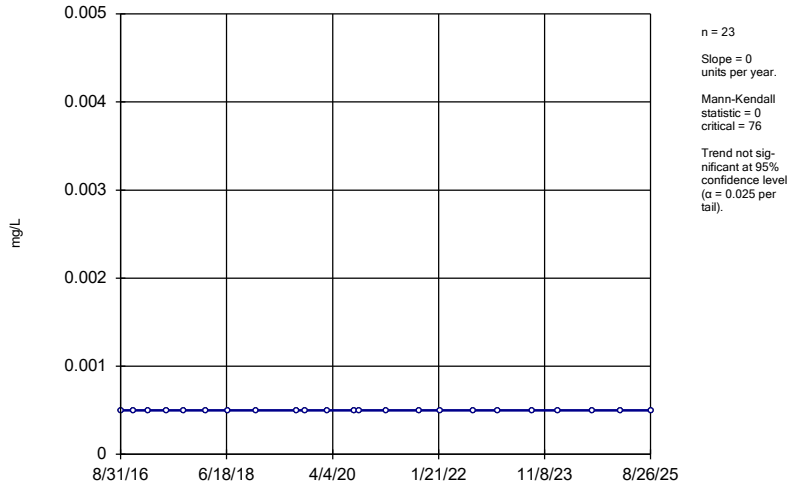
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 76

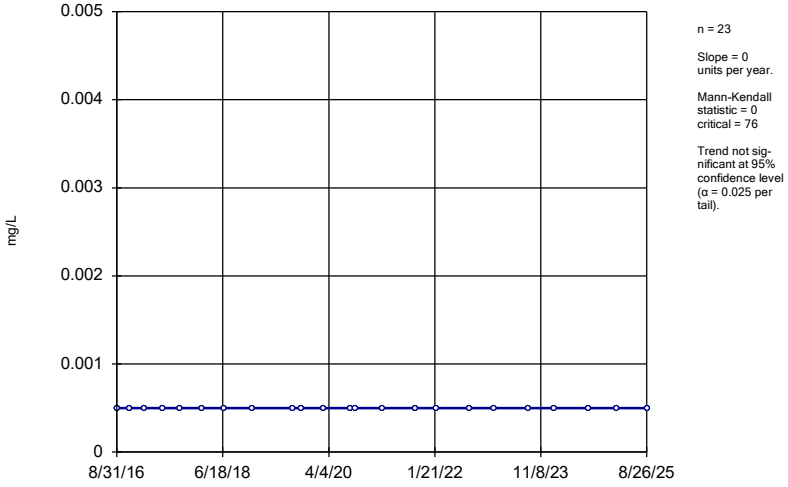
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 76

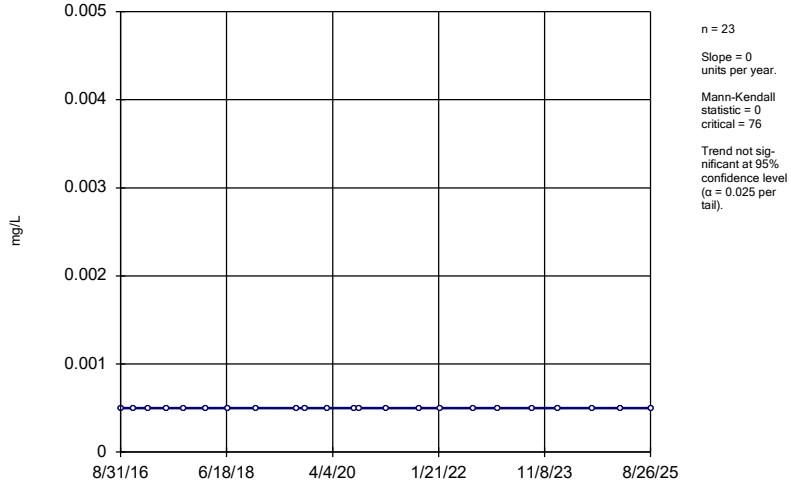
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 76

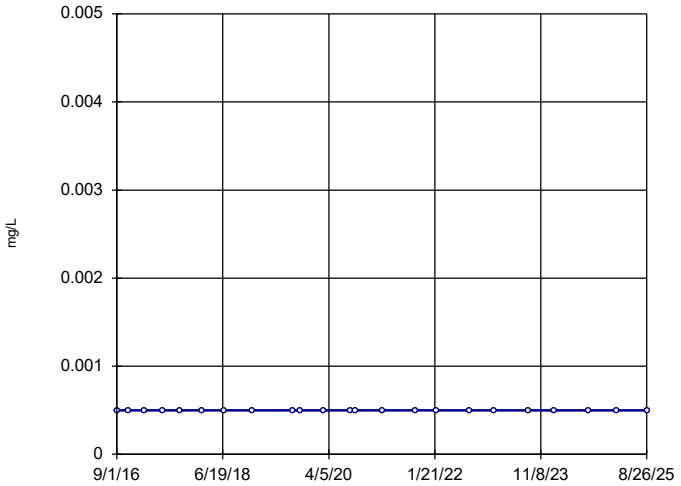
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 76

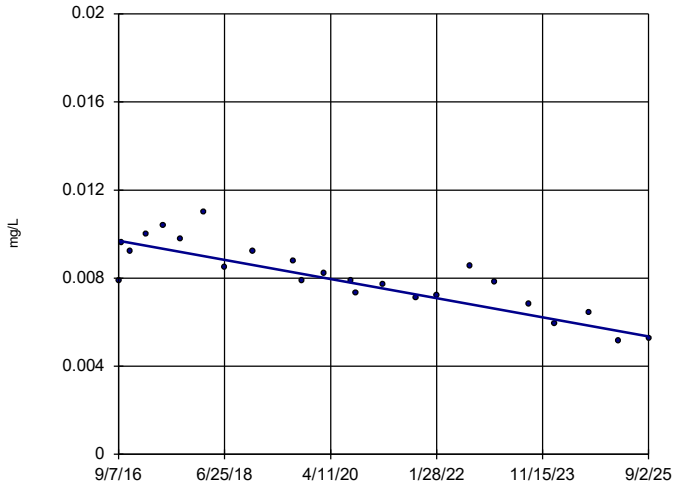
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 24

Slope = -0.0004843 units per year.

Mann-Kendall statistic = -188
critical = -81

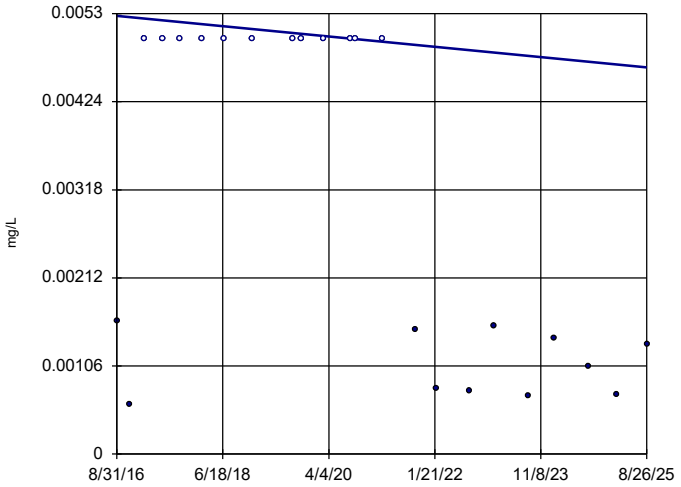
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -0.0000688 units per year.

Mann-Kendall statistic = -91
critical = -76

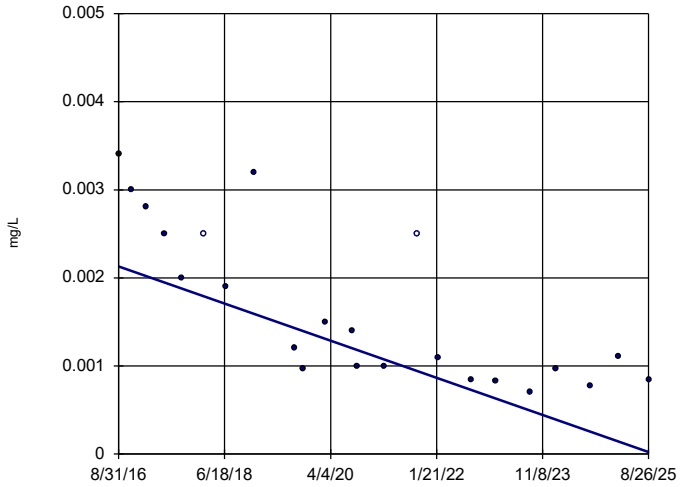
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = -0.0002344 units per year.

Mann-Kendall statistic = -169
critical = -76

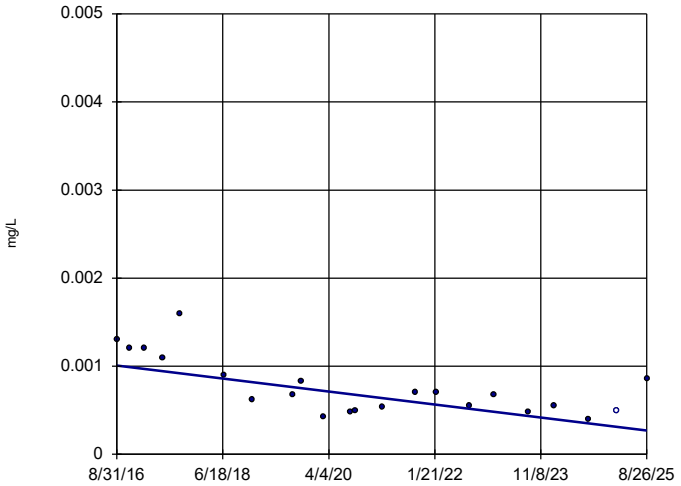
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = -0.0000821 units per year.

Mann-Kendall statistic = -107
critical = -71

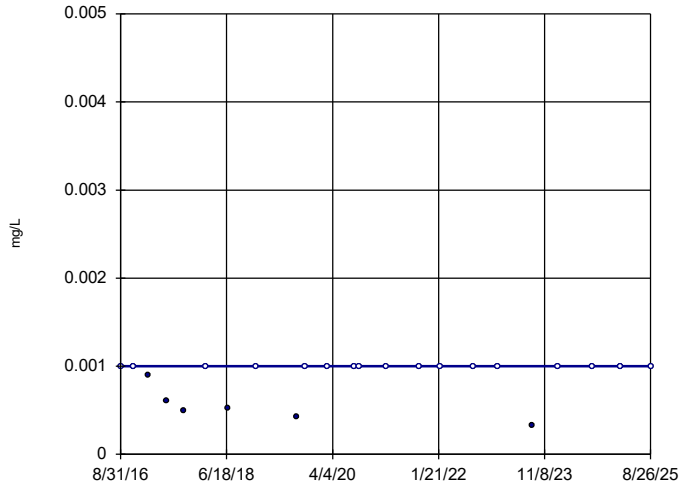
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 37
critical = 76

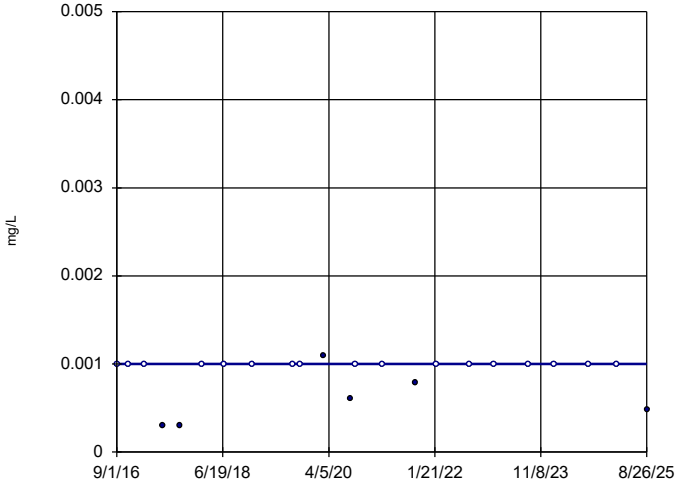
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 76

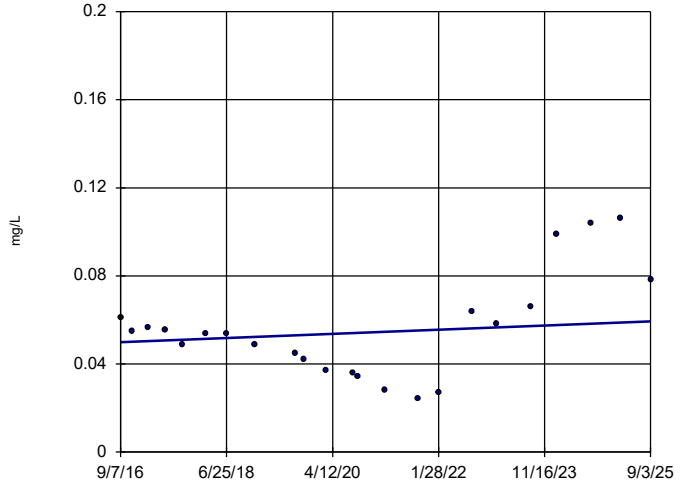
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWC-33S



n = 23

Slope = 0.001048 units per year.

Mann-Kendall statistic = 16
critical = 76

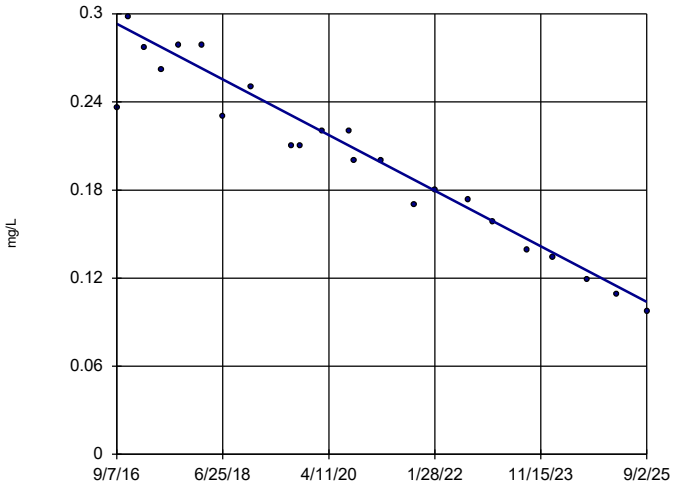
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Pond E

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Sen's Slope Estimator

BRGWC-38S



n = 23

Slope = -0.02106 units per year.

Mann-Kendall statistic = -215
critical = -76

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

Constituent: Cobalt Analysis Run 10/22/2025 1:10 PM View: Appendix IV - Trend Tests

Plant Branch Client: Southern Company Data: Branch Pond E

APPENDIX D

Potable Well Survey

Plant Branch
1078-1074 Milledgeville Rd
Eatonton, GA 31024

Inquiry Number: 08158849.1r
October 31, 2025

The EDR GeoCheck® Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Map ---- **A-7**

Physical Setting Source Map Findings ---- **A-8**

Physical Setting Source Records Searched ---- **PSGR-1**

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

PLANT BRANCH
1078-1074 MILLEDGEVILLE RD
EATONTON, GA 31024

TARGET PROPERTY COORDINATES

Latitude (North):	33.202258 - 33° 12' 8.13''
Longitude (West):	83.322819 - 83° 19' 22.15''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	283479.7
UTM Y (Meters):	3675922.0
Elevation:	382 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33083-B3 LAKE SINCLAIR WEST, GA
Version Date:	1972

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

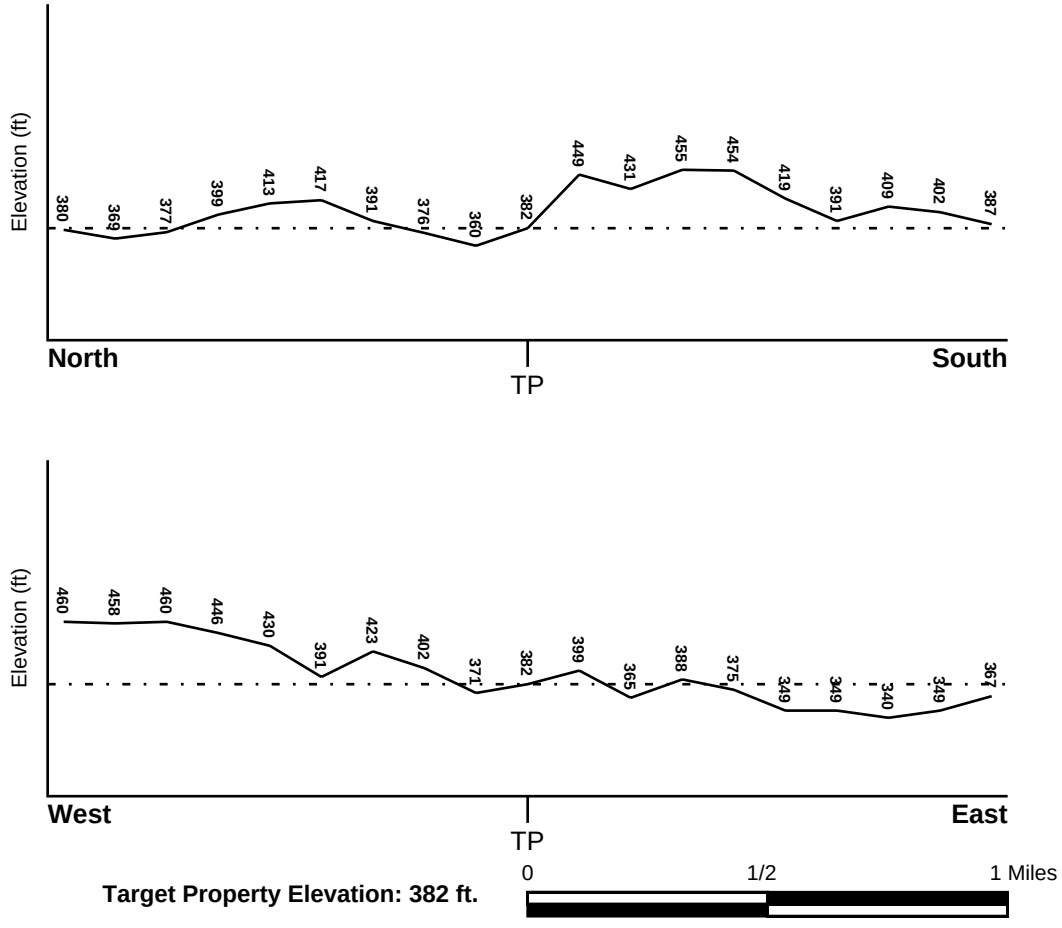
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 382 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
13009C0050D	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LAKE SINCLAIR WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Pennsylvanian
Series:	Felsic paragneiss and schist
Code:	mm1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Metamorphic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	CECIL
Soil Surface Texture:	sandy clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
2	7 inches	11 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	11 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
4	50 inches	75 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
loam
fine sandy loam

Surficial Soil Types: sandy loam
loam
fine sandy loam

Shallow Soil Types: clay
sandy clay
gravelly - loam

Deeper Soil Types: loamy fine sand
sandy loam
weathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	2.000
Federal FRDS PWS	2.000
State Database	2.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000262392	1 - 2 Miles NNE
A2	USGS40000262391	1 - 2 Miles NNE
3	USGS40000262403	1 - 2 Miles NNE
B4	USGS40000262292	1 - 2 Miles WSW
5	USGS40000262254	1 - 2 Miles SW
B6	USGS40000262290	1 - 2 Miles WSW
9	USGS40000262386	1 - 2 Miles NE
10	USGS40000262278	1 - 2 Miles WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

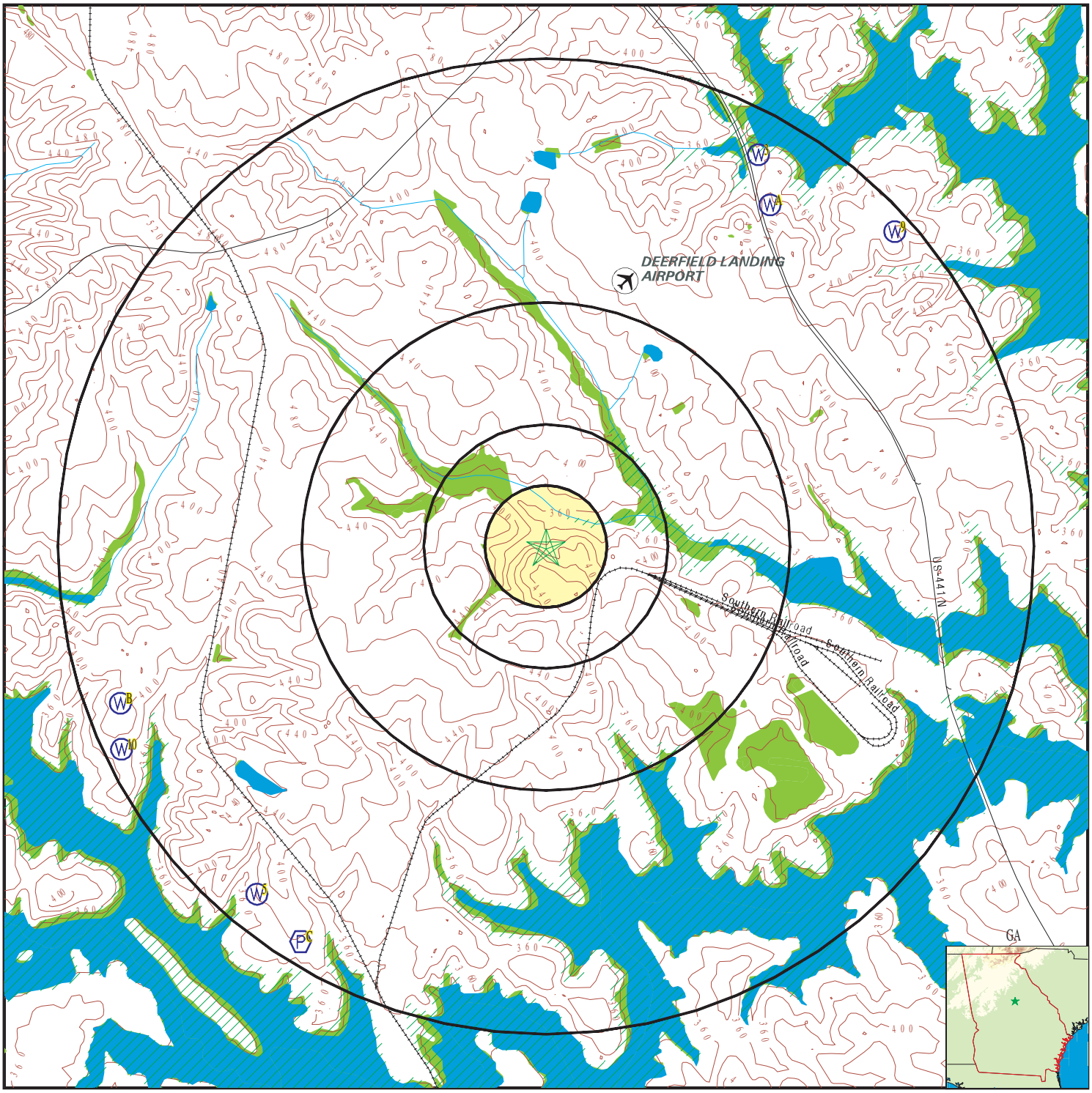
MAP ID	WELL ID	LOCATION FROM TP
C7	GA2370006	1 - 2 Miles SSW
C8	GA2370008	1 - 2 Miles SSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 08158849.1r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Wildlife Areas

SITE NAME:	Plant Branch	CLIENT:	Geosyntec Consultants
ADDRESS:	1078-1074 Milledgeville Rd Eatonton GA 31024	CONTACT:	Autumn Acree
LAT/LONG:	33.202258 / 83.322819	INQUIRY #:	08158849.1r
		DATE:	October 31, 2025 10:36 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NNE
1 - 2 Miles
Higher

FED USGS **USGS40000262392**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z016	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A2
NNE
1 - 2 Miles
Higher

FED USGS **USGS40000262391**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z017	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

3
NNE
1 - 2 Miles
Lower

FED USGS **USGS40000262403**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z013	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B4
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000262292**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z021	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

5
SW
1 - 2 Miles
Lower

FED USGS **USGS40000262254**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z020	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B6
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000262290**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z023	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

C7
SSW
1 - 2 Miles
Lower

FRDS PWS **GA2370006**

Epa region:	04	State:	GA
Pwsid:	GA2370006	Pwsname:	PINE FOREST SUBDIVISION
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13237
Status:	Closed	Retpopsrvd:	1003
Pwssvcconn:	388	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	ARCHEBELLE, DONNA	Contactorgname:	ARCHEBELLE, DONNA
Contactphone:	706-485-5252	Contactaddress1:	POB 3639
Contactaddress2:	Not Reported	Contactcity:	EATONTON
Contactstate:	GA	Contactzip:	31024-3639
Pwsactivitycode:	I		

Pwsid:	GA2370006	Facid:	15132
Facname:	PARCEL B/451 AVANT RD PLANT #4		

Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	GA2370006	Facid:	16589
Facname:	160 BEAR CREEK EAST PLANT #5		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	GA2370006	Facid:	16646
Facname:	143 EDGEWATER DRIVE PLANT #6		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	GA2370006	Facid:	3517
Facname:	L525/308 LITTLE RIVER TRAILPLANT #3		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

PWS ID:	GA2370006	PWS name:	PINE FOREST SUBDIVISION
Address:	POB 390	Care of:	GREAT SOUTHEAST UTILITY CO.
City:	GREENSBORO	State:	GA
Zip:	306420390	Owner:	PINE FOREST SUBDIVISION
Source code:	Ground water	Population:	629

PWS ID:	GA2370006	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	PINE FOREST SUBDIVISION
PWS type code:	C	Retail population served:	1003
Contact:	ARCHEBELLE, DONNA	Contact address:	663 GODFREY RD.
Contact address:	EATONTON	Contact city:	GA
Contact state:	31	Contact zip:	706-485-52
Contact telephone:	Not Reported		

County:	PUTNAM	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	HYPOCHLORINATION, POST
Population:	629		

PWS ID:	GA2370006	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000564	System name:	PINE FOREST SUBDIVISION
System address:	GREAT SE UTILITY COMPANY	System address:	POB 390
System city:	GREENSBORO	System state:	GA
System zip:	306420390		

Population served:	501 - 1,000 Persons	Treatment:	Treated

Latitude:	335554	Longitude:	0832024

Latitude:	331044	Longitude:	0832025

State:	GA	Latitude degrees:	33
Latitude minutes:	10	Latitude seconds:	44.0000
Longitude degrees:	83	Longitude minutes:	20
Longitude seconds:	25.0000		

State:	GA	Latitude degrees:	33
Latitude minutes:	19	Latitude seconds:	39.0000

Longitude degrees:	83	Longitude minutes:	21
Longitude seconds:	6.0000		

Violation id:	20101	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/2000
Cmp edt:	12/31/2000		

Violation id:	20301	Orig code:	S
State:	GA	Violation Year:	1997
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/1997
Cmp edt:	Not Reported		

Violation id:	20401	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2000
Cmp edt:	Not Reported		

Violation id:	20604	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		

Violation id:	20705	Orig code:	S
State:	GA	Violation Year:	2003
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2003
Cmp edt:	Not Reported		

Violation id:	20805	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2005
Cmp edt:	Not Reported		

Violation id:	21008	Orig code:	S
State:	GA	Violation Year:	2008
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR

Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	Not Reported		

Violation id:	21109	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2009
Cmp edt:	Not Reported		

Violation id:	21209	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2009
Cmp edt:	07/31/2009		

Violation ID:	20101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/06/2001
Enforcement Detail:	St No addtl Formal Action needed		
Enforcement Category:	Informal		

Violation ID:	20101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/06/2001
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	20101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/06/2001
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	20201	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/20/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Informal

Violation ID:	20301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/20/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Informal

Violation ID:	20301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/20/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Informal

Violation ID:	20401	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/24/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	20401	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	07/22/2003
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Informal

Violation ID:	20604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/23/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	20604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/01/2004

Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	07/27/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/14/2005
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/01/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20705	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/01/2004
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/08/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20805	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/01/2005
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	21008	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	07/09/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	21109	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	08/05/2009
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	21109	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/07/2009
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	21209	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	08/19/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	21209	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	08/19/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
PWS name:	PINE FOREST SUBDIVISION	Population served:	1003
PWS type code:	C	Violation ID:	20101
Contaminant:	Nitrate	Violation type:	3
Compliance start date:	1/1/2000 0:00:00	Compliance end date:	12/31/2000 0:00:00
Enforcement date:	9/6/2001 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	0		
PWS name:	PINE FOREST SUBDIVISION	Population served:	1003
PWS type code:	C	Violation ID:	20101
Contaminant:	Nitrate	Violation type:	3
Compliance start date:	1/1/2000 0:00:00	Compliance end date:	12/31/2000 0:00:00
Enforcement date:	9/6/2001 0:00:00	Enforcement action:	State Public Notif Received

Violation measurement: 0

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Nitrate
Compliance start date: 1/1/2000 0:00:00
Enforcement date: 9/6/2001 0:00:00
Enforcement action: State No Additional Formal Action Needed
Violation measurement: 0
Population served: 1003
Violation ID: 20101
Violation type: 3
Compliance end date: 12/31/2000 0:00:00

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/1997 0:00:00
Enforcement date: 9/20/2001 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20301
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 12/31/2025 0:00:00
Enforcement action: State Intentional no-action

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/2000 0:00:00
Enforcement date: 7/22/2003 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20401
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 7/24/2001 0:00:00
Enforcement action: State Intentional no-action

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/2000 0:00:00
Enforcement date: 7/24/2001 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20401
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 7/24/2001 0:00:00
Enforcement action: State Compliance Achieved

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2004 0:00:00
Enforcement date: 7/1/2004 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20604
Violation type: 71
Compliance end date: 7/23/2004 0:00:00
Enforcement action: State Intentional no-action

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: 7000
Compliance start date: 7/1/2004 0:00:00
Enforcement date: 7/23/2004 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20604
Violation type: 71
Compliance end date: 7/23/2004 0:00:00
Enforcement action: State Compliance Achieved

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/2003 0:00:00
Enforcement date: 12/1/2004 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20705
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 7/27/2004 0:00:00
Enforcement action: State Violation/Reminder Notice

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Lead & Copper Rule
Compliance start date: 10/1/2003 0:00:00
Enforcement date: 12/1/2004 0:00:00
Violation measurement: Not Reported
Population served: 1003
Violation ID: 20705
Violation type: Follow-up and Routine Tap Sampling
Compliance end date: 7/27/2004 0:00:00
Enforcement action: State Public Notif Requested

PWS name: PINE FOREST SUBDIVISION
PWS type code: C
Contaminant: Lead & Copper Rule
Population served: 1003
Violation ID: 20705
Violation type: Follow-up and Routine Tap Sampling

Compliance start date:	10/1/2003 0:00:00	Compliance end date:	7/27/2004 0:00:00
Enforcement date:	7/14/2005 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	PINE FOREST SUBDIVISION	Population served:	1003
PWS type code:	C	Violation ID:	20705
Contaminant:	Lead & Copper Rule	Violation type:	Follow-up and Routine Tap Sampling
Compliance start date:	10/1/2003 0:00:00	Compliance end date:	7/27/2004 0:00:00
Enforcement date:	7/27/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	PINE FOREST SUBDIVISION	Population served:	1003
PWS type code:	C	Violation ID:	20805
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/8/2005 0:00:00
Enforcement date:	7/1/2005 0:00:00	Enforcement action:	State Intentional no-action
Violation measurement:	Not Reported		

PWS name:	PINE FOREST SUBDIVISION	Population served:	1003
PWS type code:	C	Violation ID:	20805
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/8/2005 0:00:00
Enforcement date:	7/8/2005 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	PINE FOREST SUBDIVISION	Population served:	1003
PWS type code:	C	Violation ID:	21008
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	Not Reported		

C8
SSW
1 - 2 Miles
Lower

FRDS PWS GA2370008

Epa region:	04	State:	GA
Pwsid:	GA2370008	Pwsname:	TALL TIMBERS-OAK OPENINGS
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13237
Status:	Closed	Retpopsrvd:	733
Pwssvcconn:	279	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	ARCHEBELLE, DONNA	Contactorgname:	ARCHEBELLE, DONNA
Contactphone:	706-485-5252	Contactaddress1:	POB 3639
Contactaddress2:	Not Reported	Contactcity:	EATONTON
Contactstate:	GA	Contactzip:	31024-3639
Pwsactivitycode:	I		

Pwsid:	GA2370008	Facid:	15117
Facname:	WELLS 2 & 3 PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA2370008	Facid:	15126
Facname:	116 BLUEGILL RD/L#1 - WELL #5 PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

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Pwsid:	GA2370008	Facid:	21184
Facname:	308 BLUEGILL ROAD-LOT 215 WELL #6 PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

PWS ID:	GA2370008	PWS name:	TALL TIMBERS-OAK OPENINGS
Address:	POB 390	Care of:	GREAT SOUTHEAST UTILITY CO.
City:	GREENSBORO	State:	GA
Zip:	306420390	Owner:	TALL TIMBERS-OAK OPENINGS
Source code:	Ground water	Population:	465

PWS ID:	GA2370008	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	County:	PUTNAM
Source:	Ground water	Treatment Objective:	DISINFECTION
Process:	HYPOCHLORINATION, POST	Population:	465

PWS ID:	GA2370008	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000465	System name:	TALL TIMBERS-OAK OPENINGS
System address:	GREAT SE UTILITY COMPANY	System address:	POB 390
System city:	GREENSBORO	System state:	GA
System zip:	306420390		

Population served:	101 - 500 Persons	Treatment:	Treated

Latitude:	335554	Longitude:	0832024

Latitude:	331042	Longitude:	0832025

State:	GA	Latitude degrees:	33
Latitude minutes:	10	Latitude seconds:	42.0000
Longitude degrees:	83	Longitude minutes:	20
Longitude seconds:	25.0000		

Violation id:	10101	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/2000
Cmp edt:	12/31/2000		

Violation id:	10201	Orig code:	S
State:	GA	Violation Year:	2000
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/2000
Cmp edt:	12/31/2000		

Violation id:	10301	Orig code:	S
State:	GA	Violation Year:	1995
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/1995

Cmp edt: Not Reported

Violation id: 10501 | Orig code: S
State: GA | Violation Year: 2000
Contamination code: 5000 | Contamination Name: Lead and Copper Rule
Violation code: 52 | Violation name: Follow-up Or Routine LCR Tap M/R
Rule code: 350 | Rule name: LCR
Violation measur: Not Reported | Unit of measure: Not Reported
State mcl: Not Reported | Cmp bdt: 10/01/2000
Cmp edt: Not Reported

Violation id: 10704 | Orig code: S
State: GA | Violation Year: 2004
Contamination code: 7000 | Contamination Name: Consumer Confidence Rule
Violation code: 71 | Violation name: CCR Complete Failure to Report
Rule code: 420 | Rule name: CCR
Violation measur: Not Reported | Unit of measure: Not Reported
State mcl: Not Reported | Cmp bdt: 07/01/2004
Cmp edt: Not Reported

Violation id: 10805 | Orig code: S
State: GA | Violation Year: 2005
Contamination code: 7000 | Contamination Name: Consumer Confidence Rule
Violation code: 71 | Violation name: CCR Complete Failure to Report
Rule code: 420 | Rule name: CCR
Violation measur: Not Reported | Unit of measure: Not Reported
State mcl: Not Reported | Cmp bdt: 07/01/2005
Cmp edt: Not Reported

Violation id: 10906 | Orig code: S
State: GA | Violation Year: 2005
Contamination code: 5000 | Contamination Name: Lead and Copper Rule
Violation code: 52 | Violation name: Follow-up Or Routine LCR Tap M/R
Rule code: 350 | Rule name: LCR
Violation measur: Not Reported | Unit of measure: Not Reported
State mcl: Not Reported | Cmp bdt: 10/01/2005
Cmp edt: Not Reported

Violation id: 11008 | Orig code: S
State: GA | Violation Year: 2008
Contamination code: 7000 | Contamination Name: Consumer Confidence Rule
Violation code: 71 | Violation name: CCR Complete Failure to Report
Rule code: 420 | Rule name: CCR
Violation measur: Not Reported | Unit of measure: Not Reported
State mcl: Not Reported | Cmp bdt: 07/01/2008
Cmp edt: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9200002 | Violation source ID: Not Reported
PWS telephone: Not Reported | Contaminant: Coliform (Tcr)
Violation type: Max Contaminant Level, Monthly (TCR)
Violation start date: 070192 | Violation end date: 073192
Violation period (months): 001 | Violation awareness date: Not Reported
Major violator: Not Reported | Maximum contaminant level: Not Reported
Number of required samples: Not Reported | Number of samples taken: Not Reported
Analysis method: Not Reported | Analysis result: Not Reported

Violation ID: 10101 | Orig Code: S
Enforcemnt FY: 2001 | Enforcement Action: 09/06/2001
Enforcement Detail: St No addtl Formal Action needed
Enforcement Category: Informal

Violation ID: 10101 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 09/06/2001
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 10101 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 05/15/2001
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 10101 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 05/15/2001
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 10101 Orig Code: S
Enforcemnt FY: 2002 Enforcement Action: 10/03/2001
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10201 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 09/06/2001
Enforcement Detail: St Public Notif received Enforcement Category: Informal

Violation ID: 10201 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 09/06/2001
Enforcement Detail: St No addtl Formal Action needed
Enforcement Category: Informal

Violation ID: 10201 Orig Code: S
Enforcemnt FY: 2002 Enforcement Action: 10/03/2001
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10201 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 09/06/2001
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 10301 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 09/20/2001
Enforcement Detail: St Intentional no-action Enforcement Category: Informal

Violation ID: 10501 Orig Code: S
Enforcemnt FY: 2001 Enforcement Action: 08/17/2001
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10501 Orig Code: S
Enforcemnt FY: 2003 Enforcement Action: 07/22/2003
Enforcement Detail: St Intentional no-action Enforcement Category: Informal

Violation ID: 10704 Orig Code: S
Enforcemnt FY: 2004 Enforcement Action: 07/01/2004
Enforcement Detail: St Intentional no-action Enforcement Category: Resolving

Violation ID: 10704 Orig Code: S
Enforcemnt FY: 2004 Enforcement Action: 07/23/2004
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10805 Orig Code: S
Enforcemnt FY: 2005 Enforcement Action: 07/08/2005
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10805 Orig Code: S
Enforcemnt FY: 2005 Enforcement Action: 07/01/2005

Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	10906	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/12/2006
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	10906	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	02/07/2006
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	10906	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/17/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	10906	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	02/07/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	11008	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	07/09/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

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9
NE **FED USGS** **USGS40000262386**
1 - 2 Miles
Higher

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z015	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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10
WSW **FED USGS** **USGS40000262278**
1 - 2 Miles
Higher

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	19Z022	Type:	Well
Description:	Not Reported	HUC:	03070101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for PUTNAM County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 31024

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.190 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Georgia GIS Clearinghouse
Telephone: 706-542-1581

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

A listing of Private Water Well locations
Georgia Department of Public Health
Telephone: (404) 657-2700
A listing of Private Water Well locations

Georgia Public Supply Wells
Source: Georgia Department of Community Affairs
Telephone: 404-894-0127

USGS Georgia Water Wells
Source: USGS, Georgia District Office
Telephone: 770-903-9100

DNR Managed Lands
Source: Department of Natural Resources
Telephone: 706-557-3032
This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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